

PART I

ITEM 1. BUSINESS

General

As used in this Annual Report on Form 10-K, the term "Company," except as otherwise indicated by the context, means Lincoln Electric Holdings, Inc. and its wholly-owned and majority-owned subsidiaries for which it has a controlling interest. The Lincoln Electric Company began operations in 1895 and was incorporated under the laws of the State of Ohio in 1906. During 1998, The Lincoln Electric Company reorganized into a holding company structure, and Lincoln Electric Holdings, Inc. became the publicly-held parent of Lincoln Electric subsidiaries worldwide, including The Lincoln Electric Company.

The Company is one of only a few worldwide broad-line manufacturers of welding, cutting and brazing products. The Company is the world leader in the design, development and manufacture of arc welding products, automated joining, assembly and cutting systems, plasma and oxy-fuel cutting equipment. The Company also has a leading global position in brazing and soldering alloys.

The Company's products include arc welding, brazing and soldering filler metals (consumables), arc welding equipment, plasma and oxyfuel cutting systems, wire feeding systems, fume control equipment, welding accessories, specialty gas regulators, and education solutions; as well as a comprehensive portfolio of automated solutions for joining, cutting, material handling, module assembly, and end of line testing.

The arc welding power sources and wire feeding systems manufactured by the Company range in technology from basic units used for light manufacturing and maintenance to highly sophisticated robotic applications for high volume production welding and fabrication. Three primary types of arc welding consumables are produced: (1) coated manual or stick electrodes; (2) solid wire produced in coil, reel or drum forms for continuous feeding in mechanized welding; and (3) cored wire produced in coil form for continuous feeding in mechanized welding.

The Company has, through wholly-owned subsidiaries, manufacturing facilities located in the United States, Australia, Austria, Brazil, Canada, China, Colombia, France, Germany, India, Italy, Mexico, Poland, Portugal, Romania, Russia, South Korea, Spain, Turkey and the United Kingdom.

The Company's business units are aligned into three operating segments. The operating segments consist of Americas Welding, International Welding and The Harris Products Group. The Americas Welding segment includes welding operations in North and South America. The International Welding segment includes welding operations in Europe, Africa, Asia and Australia. The Harris Products Group includes the Company's global cutting, soldering and brazing businesses, specialty gas equipment, as well as the retail business in the United States.

On December 1, 2022, the Company acquired Fori Automation, LLC ("Fori") for a cash purchase price of \$427,000, subject to customary working capital adjustments. Fori is a leading designer and manufacturer of complex, multi-armed automated welding systems, with an extensive range of automated assembly systems, automated material handling solutions, automated large-scale, industrial guidance vehicles, and end of line testing systems. The Fori acquisition will extend the Company's market presence within the automotive sector as well as its automation footprint in the International Welding segment.

Customers

The Company's products are sold in both domestic and international markets. In the Americas, products are sold principally through industrial distributors, retailers and also directly to users of welding products (OEMs, manufacturers and integrators). Outside of the Americas, the Company has an international sales organization comprised of Company employees and agents who sell products from the Company's various manufacturing sites to distributors and product users.

The Company's major end-user markets include:

- general fabrication,
- energy (oil and gas, power generation and process industries),
- heavy industries (heavy fabrication, ship building and maintenance and repair),
- automotive and transportation, and
- construction and infrastructure.

The Company is not dependent on a single customer or a few customers and no individual customer currently accounts for more than ten percent of total Net sales. However, the loss of a large customer could have an adverse effect on the Company's business. The Company's operating results are sensitive to changes in general economic conditions, including an increase in interest rates, inflationary pressures and fluctuations in foreign currency rates. The arc welding and cutting industry is generally a mature industry in developed markets such as North America and Western Europe and is cyclical in nature. Overall demand for arc welding and cutting products is largely determined by economic cycles and the level of capital spending in manufacturing and other industrial sectors. The Company experiences some variability in reported period-to-period results as historical demand for the Company's products is mildly seasonal with generally higher demand in the second and third quarters. See "Item 1A. Risk Factors" for further discussion regarding risks associated with customers, general economic conditions and demand.

Competition

Conditions in the arc welding and cutting industry are highly competitive. The Company believes it is the world's largest manufacturer of consumables and equipment with relatively few major broad-line competitors worldwide, but numerous smaller competitors in specific geographic markets. The Company continues to pursue strategies to heighten its competitiveness in domestic and international markets, which includes positioning low cost manufacturing facilities in most geographical markets. Competition in the arc welding and cutting industry is based on brand preference, product quality, price, performance, warranty, delivery, service and technical support. The Company believes its performance against these factors has contributed to the Company's position as the leader in the industry.

Most of the Company's products may be classified as standard commercial articles and are manufactured for stock. The Company believes it has a competitive advantage in the marketplace because of its highly trained technical sales force and the support of its welding research and development staff to assist customers in optimizing their welding applications. This allows the Company to introduce its products to new users and to establish and maintain close relationships with its customers. This close relationship between the technical sales force and the direct customers, together with its supportive relationship with its distributors, who are particularly interested in handling the broad range of the Company's products, is an important element of the Company's market success and a valuable asset of the Company.

Raw Materials

The principal raw materials essential to the Company's business are steel, electronic components, engines, brass, copper, silver, aluminum alloys, robotic components and various chemicals, all of which are normally available for purchase in the open market.

Patents and Trademarks

The Company holds many valuable patents, primarily in arc welding, and actively protects its innovations as research and development has progressed in both the United States and major international jurisdictions. The Company believes its trademarks are an important asset and aggressively pursues brand management.

Environmental Regulations

The Company's facilities are subject to environmental regulations. To date, compliance with these environmental regulations has not had a material adverse effect on the Company's earnings. The Company is ISO 14001 certified at most significant manufacturing facilities in North America and Europe and is progressing towards certification at its remaining facilities worldwide. In addition, the Company is ISO 9001 certified at 42 facilities worldwide.

The Company ensures compliance as well as the continuous improvement of the environmental performance of its products and operations through its global Environmental, Health, Safety and Quality ("EHS&Q") systems. The Company's systems are guided by the Corporate EHS&Q Policy, global directives and corporate standards that establish consistent guidelines for the management, measurement and reporting of environmental, health and safety activities, as well as quality across the Company's global platform. The Company's products support our customers' sustainability initiatives through enhanced worker safety, reduced emissions, improved energy efficiency, reduced waste and regulatory compliance.

International Operations

The Company conducts a significant amount of its business and has a number of operating facilities in countries outside the United States. As a result, the Company is subject to business risks inherent to non-U.S. activities, including political uncertainty, import and export limitations, exchange controls and currency fluctuations.

Human Capital Management

Employee Profile

The Company's employees are its most valuable asset as they represent the foundation of the Company and its future success. The number of persons employed by the Company worldwide at December 31, 2022 was approximately 12,000.

Employee Engagement

The Company strongly believes that employee engagement drives better business results and that a highly engaged workforce can increase innovation, productivity and bottom-line performance while reducing costs. The Company engages employees through individual, small group and town hall meetings, its Advisory Board, global intranet, employee surveys, resource groups, health and safety communications and initiatives, training and development, employee wellness programs, and an ethics hotline, among other vehicles.

Talent Management and Development

In order to ensure the competitiveness of our workforce as well as a strong succession pipeline, the Company provides development opportunities to advance skills, knowledge and expertise. The Company's programs include formal leadership, management and professional development programs, tuition reimbursement for external accredited programs, mentoring, self-guided online courses, instructor-led programs and special project and rotational assignments that can lead to extensive global exposure.

Diversity and Inclusion

The Company has a longstanding commitment to equal opportunity in all aspects of employment—including employee compensation, job placement and promotion regardless of gender, race or other personal characteristics. The Company's culture is underpinned by its core values, including the guiding principles championed by James F. and John C. Lincoln when they founded Lincoln Electric over 125 years ago – The Golden Rule: Treat Others How You Would Like to Be Treated. The Company has implemented several measures that focus on ensuring that accountability exists for making progress in diversity. The CEO and other senior leaders have diversity and inclusion objectives as part of their annual

performance goals. The Company focuses on diverse talent sourcing strategies and partners with external organizations that develop and supply diverse talent. The Company reviews and updates its human resources processes and benchmarks roles and compensation externally on a regular basis to help prevent bias and promote a diverse and inclusive workplace.

Compensation

The Company's compensation program is designed to attract and retain exceptional employees and to maintain a strong pay for performance culture. The Company has designed its compensation system to reflect current best practices, including setting base pay below the competitive market for each position, targeting incentive-based cash compensation above the competitive market and promoting quality corporate governance in compensation decisions.

The Company's annual talent and succession planning process reviews 100% of its global professional staff worldwide to support the development of a talent pipeline for critical roles in general management, engineering and operations. This evaluation includes the Company's CEO, as well as segment business and functional leaders, and focuses on high potential talent, diverse talent and succession within the Company's most critical roles.

The Company believes that the practices outlined above result in sustained increases in shareholder value and reflect its compensation philosophy of aligning long-term pay and performance.

Health and Safety

Health and safety is a priority for the Company, its vision is an accident-free workplace with zero safety incidents. The Company follows a rigorous health and safety program that adheres to stringent safety standards and best practices to ensure its manufacturing operations, related processes and products do not negatively impact the health and welfare of its employees, customers and neighbors.

In addition to Company-led programs and employee engagement in behavior-based safety and wellness committees, the Company actively engages in health and safety standard development committees at key industry organizations such as the American Welding Society, the International Institute of Welding and across various International Standards Organization committees to ensure best practices for its employees and end users.

The Company's standard health and safety programs adhere to stringent safety standards and best practices to ensure that its operations, related processes and products do not negatively impact the health and welfare of its employees, customers or community.

Community Engagement

The Company is an active member in the communities in which it operates and where its employees live. The Company participates in community meetings, local business associations, offers plant visits, provides grants to nonprofit organizations and donates resources and time through in-kind gifts, employee volunteerism and non-profit board service. The Company's partnership with academia includes executive-led lectures and donations of equipment and engineering expertise to support lab and research initiatives. In addition, the Company supports community educational / career programming among secondary and high school students in order to address skills gaps in the industry and maintain awareness of attractive career pathways in manufacturing.

See "Part I, Item 1C" for information regarding the Company's executive officers, which is incorporated herein by reference.

Website Access

The Company's website, www.lincolnelectric.com, is used as a channel for routine dissemination of important information, including news releases and financial information. The Company posts its filings as soon as reasonably practicable after they are electronically filed with, or furnished to, the Securities and Exchange Commission ("SEC"), including annual, quarterly and current reports on Forms 10-K, 10-Q and 8-K, respectively; proxy statements; and any amendments to those reports or statements. The Company also posts its Code of Corporate Conduct and Ethics on its website. All such postings and filings are available on the Company's website free of charge. In addition, this website allows investors and other interested persons to sign up to automatically receive e-mail alerts when news releases and financial information is posted on the website. The SEC also maintains a website, www.sec.gov, that contains reports, proxy and information statements and other information regarding issuers that file electronically with the SEC. The content on any website referred to in this Annual Report on Form 10-K is not incorporated by reference into this Annual Report unless expressly noted.

ITEM 1A. RISK FACTORS

From time to time, information we provide, statements by our employees or information included in our filings with the SEC may contain forward-looking statements that are not historical facts. Those statements are "forward-looking" within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements generally can be identified by the use of words such as "may," "will," "expect," "intend," "estimate," "anticipate," "believe," "forecast," "guidance" or words of similar meaning. Actual results may differ materially from such statements due to a variety of factors that could adversely affect the Company's operating results. Forward-looking statements, and our future performance, operating results, financial position and liquidity, are subject to a variety of factors that could materially affect results, including those risks described below. Forward-looking statements made in this report speak only as of the date of the statement, and, except as required by law, we undertake no obligation to update those statements. Comparisons of results for current and any prior periods are not intended to express any future trends or indications of future performance, unless expressed as such, and should only be viewed as historical data.

In the ordinary course of our business, we face various strategic, operating, compliance and financial risks. These risks could have a material impact on our business, financial condition, operating results and cash flows. Our Enterprise Risk Management ("ERM") process seeks to identify and address significant risks. Our ERM process is a company-wide initiative that is designed with the intent of prioritizing risks and allocating appropriate resources to address such risks. We use the integrated risk framework of the Committee of Sponsoring Organizations to assess, manage and monitor risks.

Management has identified and prioritized critical risks based on the severity and likelihood of each risk and assigned an executive to address each major identified risk area and lead action plans to monitor and mitigate risks, where possible. Our Board of Directors provides oversight of the ERM process and systematically reviews identified critical risks. The Audit Committee also reviews major financial risk exposures and the steps management has taken to monitor and control them.

Our goal is to pro-actively manage risks in a structured approach and in conjunction with the strategic planning process, with the intent to preserve and enhance shareholder value. However, these and other risks and uncertainties could cause our results to vary materially from recent results or from our anticipated future results. The risk factors and uncertainties described below, together with information incorporated by reference or otherwise included elsewhere in this Annual Report on Form 10-K, should be carefully considered. Although the risks are organized by headings, and each risk is discussed separately, many are interrelated. Additional risks and uncertainties of which we are currently unaware or that we currently believe to be immaterial may also adversely affect our business. Readers should not interpret the disclosure of any risk factor to imply that the risk has not yet already materialized.

Risks Related to Economic Conditions

General economic, financial and market conditions may adversely affect our financial condition, results of operations and access to capital markets.

Our operating results are sensitive to changes in general economic conditions. Recessionary economic cycles, global supply chain disruptions, higher logistics costs, higher interest rates, inflation, higher raw materials costs, higher labor costs, trade barriers in the world markets, financial turmoil related to sovereign debt and changes in tax laws or trade laws or other economic factors affecting the countries and industries in which we do business could adversely affect demand for our products. An adverse change in demand could impact our results of operations, collection of accounts receivable and our expected cash flow generation from current and acquired businesses, which may adversely affect our financial condition, results of operations and access to capital markets.

In March 2022, in response to Russia's invasion of Ukraine, the Company announced it had ceased operations in Russia and implemented plans to support its Russian employees. Although the Company's Net sales and Total assets in Russia were less than 1% of consolidated Net sales and Total assets for the year ended December 31, 2022, the Russia-Ukraine conflict and sanctions imposed globally may result in economic and supply chain disruptions, the ultimate financial impact of which cannot be reasonably estimated at this time. The Company continues to monitor the Russia-Ukraine conflict and its potential impacts.

We conduct our sales and distribution operations on a worldwide basis and maintain manufacturing facilities in a number of foreign countries, which subjects us to risks associated with doing business outside the United States.

As a growing global enterprise, the share of sales and profits we derive from our international operations and exports from the United States is significant. This trend increases our exposure to the performance of many developing economies in addition to the developed economies outside of the United States. If international economies were to experience significant slowdowns, it could adversely affect our financial condition, results of operations and cash flows. There are a number of risks in doing business internationally, which may impede our ability to achieve our strategic objectives relating to our foreign operations, including:

- Political and economic uncertainty and social turmoil;
- Corporate governance and management challenges in consideration of the numerous U.S. and foreign laws and regulations, including regulations relating to import-export control, technology transfer restrictions, repatriation of earnings and funds, exchange controls, labor regulations, nationalization, tariffs, data protection and privacy requirements, anti-boycott provisions and anti-bribery laws (such as the Foreign Corrupt Practices Act and the Organization for Economic Cooperation and Development Convention);
- International terrorism and hostilities;
- Changes in the global regulatory environment, including revised or newly created laws, regulations or standards relating to the Company, our products or the markets in which we operate; and
- Significant fluctuations in relative currency values; in particular, an increase in the value of the U.S. dollar against foreign currencies could have an adverse effect on our profitability and financial condition, as well as the imposition of exchange controls, currency devaluations and hyperinflation.

The cyclical nature and maturity of the arc welding and cutting industry in developed markets may adversely affect our performance.

The arc welding and cutting industry is generally a mature industry in developed markets such as North America and Western Europe and is cyclical in nature. Overall demand for arc welding and cutting products is largely determined by the level of capital spending in manufacturing and other industrial sectors, and the welding industry has historically

experienced contraction during periods of slowing industrial activity. If economic, business and industry conditions deteriorate, capital spending in those sectors may be substantially decreased, which could reduce demand for our products and have an adverse effect on our revenues and results of operations.

Risks Related to Manufacturing and Operations

Economic and supply disruptions associated with events beyond our control, such as war, acts of terror, political unrest, pandemic, labor disputes, natural disasters could adversely affect our supply chain and distribution channels or result in loss of sales and customers.

Our facilities and operations, and the facilities and operations of our suppliers and customers, could be disrupted by events beyond our control, such as war, political unrest, pandemics, including the current coronavirus disease (“COVID-19”) pandemic, labor disputes and natural disasters, including events caused by climate change. Any such disruption could cause delays in the production and distribution of our products and the loss of sales and customers. Insurance proceeds may not adequately compensate the Company for the losses.

We continue to experience supply shortages and inflationary pressures for certain components and raw materials due to the effects of the COVID-19 pandemic. We expect these supply chain challenges and cost impacts to continue for the foreseeable future as markets recover. Although we have secured additional supply from existing and alternate suppliers and have taken other mitigating actions to mitigate supply disruptions, we cannot guarantee that we can continue to do so in the future. In this event, our business, results and financial condition could be adversely affected. Maintaining higher inventory levels to service customers may result in excess or obsolete inventory and related charges if demand for these products is lower than our expectations. This may adversely affect financial results.

Availability of and volatility in energy costs or raw material prices may adversely affect our performance.

In the normal course of business, we are exposed to market risks related to the availability of and price fluctuations in the purchase of energy and commodities used in the manufacture of our products (primarily steel, brass, copper, silver, aluminum alloys, electronic components, electricity and natural gas). The availability and prices for energy costs and raw materials, including steel, nonferrous metals and chemicals, are subject to volatility and are influenced by worldwide economic conditions, including the current rising inflationary pressure. They are also influenced by import duties and tariffs speculative action, world supply and demand balances, inventory levels, availability of substitute materials, currency exchange rates, anticipated or perceived shortages, government trade practices and regulations and other factors.

Increases in the cost of raw materials and components may adversely affect our profitability if we are unable to pass along to our customers these cost increases in the form of price increases or otherwise reduce our cost of goods sold. Although most of the raw materials and components used in our products are commercially available from a number of sources and in adequate supply, any disruption in the availability of such raw materials and components, our inability to timely or otherwise obtain substitutes for such items, or any deterioration in our relationships with or the financial viability of our suppliers could adversely affect our business.

We are subject to risks relating to our information technology systems.

The conduct and management of our business relies extensively on information technology systems, which contain confidential information related to our customers, suppliers and employees and other proprietary business information. We maintain some of these systems and are also dependent on a number of critical corporate infrastructure services provided by third parties relating to, among other things, human resources, electronic communication services and finance functions. Like many multinational companies, our systems are subject to regular cyber attacks and other malicious efforts to cause cyber security incidents. To date, these attacks have not had a material impact on our business or operations. However, if as a result of future attacks, our systems are significantly damaged, cease to function properly or are subject to a significant cyber security breach, we may suffer an interruption in our ability to manage and operate the business, and our results of operations and financial condition could be adversely affected. The Company continues

to invest in cyber security, including maintaining and improving cyber security resilience, and the Company's cyber security risks are regularly monitored by the Audit Committee of our Board of Directors. Nevertheless, due to the nature of cyber threats, there can be no assurance that our preventive efforts can fully mitigate the risks of all cyber incidents, and a significant security breach could result in financial loss, unfavorable publicity, damage to our reputation, loss of our trade secrets and other competitive information, allegations by our customers that we have not performed our contractual obligations, litigation by affected parties and fines and other sanctions resulting from any related breaches of data privacy regulations. Any of these could have an adverse effect on our results of operations and financial condition.

Risks Related to Human Capital

Our operations depend on maintaining a skilled workforce, and any interruption in our workforce could negatively impact our results of operations and financial condition.

Our success depends in part on the efforts and abilities of our management team and key employees. Their skills, experience and industry knowledge significantly benefit our operations and performance. Our future success will also depend on our ability to identify, attract and retain highly qualified managerial and technical (including research and development) personnel. Competition for these individuals is intense and compensation rates are increasing due to lower labor availability. Under these conditions, we may not succeed in identifying, attracting or retaining qualified personnel. With our strategy to expand internationally into developing markets, we may incur additional risks as some developing economies lack a sufficiently trained labor pool.

Any interruption of our workforce, including rationalization efforts related to the integration of acquired businesses, interruptions due to unionization efforts, changes in labor relations or shortages of appropriately skilled individuals could impact our results of operations and financial condition.

Risks Related to Business Strategy

We may not be able to complete our acquisition or divestiture strategies, successfully integrate acquired businesses and in certain cases we may be required to retain liabilities for certain matters.

Part of our business strategy is to pursue targeted business acquisition opportunities, including foreign investment opportunities. We cannot be certain that we will be successful in pursuing potential acquisition candidates or that the consequences of any acquisition would be beneficial to us. Future acquisitions may expose us to unexpected liabilities and involve the expenditure of significant funds and management time. Further, we may not be able to successfully integrate an acquired business with our existing businesses or recognize the expected benefits from any completed acquisition. Integration efforts may include significant rationalization activities that could be disruptive to the business. Our current operational cash flow is sufficient to fund our acquisition plans, but a significant acquisition could require access to the capital markets.

Additionally, from time to time we may identify assets for strategic divestitures that would increase capital resources available for other activities and create organizational and operational efficiencies. Various factors could materially affect our ability to dispose of such assets or complete announced divestitures, including the receipt of approvals of governmental agencies or third parties and the availability of purchasers willing to acquire the interests or purchase the assets on terms and at prices acceptable to us.

Sellers typically retain certain liabilities or indemnify buyers for certain matters. The magnitude of any such retained liability or indemnification obligation may be difficult to quantify at the time of the transaction and ultimately may be material. Also, as is typical in divestitures, third parties may be unwilling to release us from guarantees or other credit support provided prior to the sale of the divested assets. As a result, after a divestiture, we may remain secondarily liable for the obligations guaranteed or supported to the extent that the buyer of the assets fails to perform these obligations.

If we cannot continue to develop, manufacture and market products that meet customer demands, continue to enforce the intellectual property rights on which our business depends or if third parties assert that we violate their intellectual property rights, our revenues, gross margins and results of operations may suffer.

Our continued success depends, in part, on our ability to continue to meet our customers' needs for welding and cutting products through the introduction of innovative new products and the enhancement of existing product design and performance characteristics. We must remain committed to product research and development and customer service in order to remain competitive. We cannot be assured that new products or product improvements, once developed, will meet with customer acceptance and contribute positively to our operating results, or that we will be able to continue our product development efforts at a pace to sustain future growth. Further, we may lose customers to our competitors if they demonstrate product design, development or manufacturing capabilities superior to ours.

We rely upon patent, trademark, copyright and trade secret laws in the United States and similar laws in foreign countries, as well as agreements with our employees, customers, suppliers and other third parties, to establish and maintain our intellectual property rights. However, any of our intellectual property rights could be challenged, invalidated or circumvented, or our intellectual property rights may not be sufficient to provide a competitive advantage. Further, the laws and their application in certain foreign countries do not protect our proprietary rights to the same extent as U.S. laws. Accordingly, in certain countries, we may be unable to protect our proprietary rights against unauthorized third-party copying or use, which could impact our competitive position.

Further, third parties may claim that we or our customers are infringing upon their intellectual property rights. Even if we believe that those claims are without merit, defending those claims and contesting the validity of patents can be time consuming and costly. Claims of intellectual property infringement also might require us to redesign affected products, enter into costly settlements or license agreements, pay costly damage awards or face a temporary or permanent injunction prohibiting us from manufacturing, marketing or selling certain of our products.

The competitive pressures we face could harm our revenue, results of operations and prospects.

We operate in a highly competitive global environment and compete in each of our businesses with other broad-line manufacturers and numerous smaller competitors specializing in particular products. We compete primarily on the basis of brand, product quality, price, performance, warranty, delivery, service and technical support. We have previously initiated, and may in the future initiate significant rationalization activities to align our business with market conditions and improve our overall competitiveness, including with respect to the integration of acquired businesses. Such rationalization activities could fail to deliver the desired competitive cost structure and could result in disruptions in customer service. If our products, services, support and cost structure do not enable us to compete successfully based on any of the criteria listed above, our revenue, results of operations and prospects could suffer.

Further, in the past decade, the arc welding industry in the United States and other developed countries has been subject to increased levels of foreign competition as low cost imports have become more readily available. Our competitive position could be harmed if new or emerging competitors become more active in the arc welding business. For example, while steel manufacturers traditionally have not been significant competitors in the domestic arc welding industry, some foreign integrated steel producers manufacture selected consumable arc welding products and robotic arm manufacturers compete in the automated welding and cutting space. In addition, in certain markets of the world, distributors manufacture and sell arc welding products. Our sales and results of operations, as well as our plans to expand in some foreign countries, could be adversely affected by this practice.

We may incur additional restructuring charges as we continue to contemplate rationalization actions in an effort to optimize our cost structure and may not achieve the anticipated savings and benefits of these actions.

We may take additional actions in the future to further optimize our cost structure and improve the efficiency of our operations, which will reduce our profitability in the periods incurred. As a result of these actions, we will likely continue to incur charges, which may include but are not limited to asset impairments, employee severance costs, charges for pension and other postretirement contractual benefits and pension settlements, any of which could be

significant, and could adversely affect our financial condition and results of operations. In addition, we may not realize anticipated savings or benefits from past or future rationalization plans in full or in part or within the time periods we expect. Failure to realize anticipated savings or benefits from our cost reduction actions could have a material adverse effect on our business, financial condition, liquidity, results of operations and cash flows. For more information regarding rationalization plans, refer to the rationalization and asset impairment related disclosure under Note 7 to the Company's consolidated financial statements.

Risks Related to Legal, Compliance and Regulatory Matters

We are a co-defendant in litigation alleging asbestos induced illness. Liabilities relating to such litigation could reduce our profitability and impair our financial condition.

As of December 31, 2022, we were a co-defendant in cases alleging asbestos induced illness involving claims by approximately 1,483 plaintiffs. In each instance, we are one of a large number of defendants. The asbestos claimants allege that exposure to asbestos contained in welding consumables caused the plaintiffs to develop adverse pulmonary diseases, including mesothelioma and other lung cancers.

Since January 1, 1995, we have been a co-defendant in asbestos cases that have been resolved as follows: 56,877 of those claims were dismissed, 23 were tried to defense verdicts, 7 were tried to plaintiff verdicts (which were reversed or resolved after appeal), 1 was resolved by agreement for an immaterial amount and 1,012 were decided in favor of the Company following summary judgment motions.

The long-term impact of the asbestos loss contingency, in the aggregate, on operating results, operating cash flows and access to capital markets is difficult to assess, particularly since claims are in many different stages of development and we benefit significantly from cost-sharing with co-defendants and insurance carriers. While we intend to contest these lawsuits vigorously, and believe we have applicable insurance relating to these claims, there are several risks and uncertainties that may affect our liability for personal injury claims relating to exposure to asbestos, including the future impact of changing cost sharing arrangements or a change in our overall trial experience.

Asbestos use in welding consumables in the U.S. ceased in 1981.

We may incur material losses and costs as a result of product liability claims that may be brought against us or failure to meet contractual performance commitments.

Our business exposes us to potential product liability risks that are inherent in the design, manufacture, sale and application of our products and the products of third-party suppliers that we utilize or resell. Our products are used in a variety of applications, including infrastructure projects such as oil and gas pipelines and platforms, buildings, bridges and power generation facilities, the manufacture of transportation and heavy equipment and machinery and various other construction projects. We face risk of exposure to product liability claims in the event that accidents or failures on these projects result, or are alleged to result, in bodily injury or property damage. Further, our products are designed for use in specific applications, and if a product is used inappropriately, personal injury or property damage may result. In certain cases, we design automated welding systems for use in a customer's production facilities (including automotive production facilities), which could expose us to financial losses or professional liability.

The occurrence of defects in or failures of our products, or the misuse of our products in specific applications, could cause termination of customer contracts, increased costs and losses to us, our customers and other end users. We cannot be assured that we will not experience any material product liability losses in the future or that we will not incur significant costs to defend those claims. Further, we cannot be assured that our product liability insurance coverage will be adequate for any liabilities that we may ultimately incur or that product liability insurance will continue to be available on terms acceptable to us. Even if we are successful defending such claims or product liability coverage is adequate, claims of this nature could cause customers to lose confidence in our products and our Company. Warranty claims are not generally covered by insurance and we may incur significant warranty costs in the future for which we would not be reimbursed.

We may incur losses if we do not achieve contractual commitments, including project performance requirements or project schedules. Project performance can be affected by a number of factors, including but not limited to, availability of materials, changes in the project scope of services, environmental conditions or labor disruptions. In addition, our backlog consists of the expected revenue from projects for which we have an executed contract or commitment with a customer. Project cancellations, scope adjustments, deferrals or changes in cost estimates may reduce the dollar amount of revenue and profits that we actually earn.

Changes in tax rates or exposure to additional income tax liabilities could affect profitability.

Our business is subject to income taxes in the United States and various foreign jurisdictions. Domestic and international tax liabilities are subject to the allocation of income among various tax jurisdictions. Our effective tax rate could be adversely affected by changes in the mix among earnings in countries with differing statutory tax rates, changes in the valuation allowances of deferred tax assets or changes in tax laws.

The amount of income taxes paid is subject to ongoing audits by the United States federal, state and local tax authorities and by foreign tax authorities. If these audits result in assessments different from amounts reserved, future financial results may include unfavorable adjustments which could have a material adverse effect on our results of operations.

Our global operations are subject to increasingly complex environmental regulatory requirements.

We are subject to increasingly complex environmental regulations affecting international manufacturers, including those related to air and water emissions, waste management and climate change. Some environmental laws impose strict, retroactive and joint and several liability for the remediation of the release of hazardous substances, even for conduct that was lawful at the time it occurred, or for the conduct of or conditions caused by prior operators, predecessors or third parties. Failure to comply with environmental laws could expose us to penalties or clean-up costs, civil or criminal liability and sanctions on certain of our activities, as well as damage to property or natural resources. These liabilities, sanctions, damages and remediation efforts related to any non-compliance with such laws and regulations could negatively impact our ability to conduct our operations and our financial condition and results of operations. In addition, there can be no assurances that we will not be adversely affected by costs, liabilities or claims with respect to existing or subsequently acquired operations or under present laws and regulations or those that may be adopted or imposed in the future.

Changes in environmental laws or regulations could result in higher expenses and payments, and uncertainty relating to environmental laws or regulations may also affect how we conduct our operations and structure our investments and could limit our ability to enforce our rights. Changes in environmental and climate change laws or regulations, including laws relating to greenhouse gas emissions, could subject us to additional costs and restrictions, including increased energy and raw material costs. If environmental laws or regulations are either changed or adopted and impose significant operational restrictions and compliance requirements upon us or our products, they could negatively impact our business, capital expenditures, results of operations, financial condition and competitive position.

It is our policy to apply strict standards for environmental protection to all of our operations inside and outside of the United States, even when we are not subject to local government regulations. We may incur substantial costs, including cleanup costs, fines and civil or criminal sanctions, liabilities resulting from third-party property damage or personal injury claims, or our products could be prohibited from entering certain jurisdictions, if we were to violate or become liable under environmental laws, if our products become non-compliant with environmental laws or if we were to undertake environmental protection actions voluntarily.

We also face increasing complexity in our products design and procurement operations as we adjust to new and future requirements relating to the design, production and labeling of our products that are sold worldwide in multiple jurisdictions. The ultimate costs under environmental laws and the timing of these costs are difficult to predict.

We may be exposed to certain regulatory and financial risks related to climate change.

A number of governments and agencies in the U.S. and in foreign jurisdictions have proposed and may continue to introduce regulatory changes to address climate change, including regulations related to greenhouse gas emissions. We may be subject to additional regulations or restrictions in jurisdictions where we operate, including charges to fund additional energy-efficient activities, assessments or fees, and operational restrictions such as reduced emission allowances. Compliance with climate change regulations and restrictions may result in additional costs, including increased production costs and taxes, which could adversely impact our financial position. In addition, climate change regulations and related operating restrictions may unfavorably affect our competitive position with companies who may not be subject to equivalent requirements in their jurisdictions. In addition, negative publicity or public perception of climate change issues associated with us or our industry may cause reputational damage and financial harm to the Company.

ITEM 1B. UNRESOLVED STAFF COMMENTS

None.

ITEM 1C. INFORMATION ABOUT OUR EXECUTIVE OFFICERS

EXECUTIVE OFFICERS OF THE REGISTRANT

Name	Age	Position
Christopher L. Mapes	61	Chairman of the Board effective December 21, 2013; President and Chief Executive Officer effective December 31, 2012; Chief Operating Officer from September 1, 2011 to December 31, 2012; Director since February 2010.
Gabriel Bruno	55	Executive Vice President, Chief Financial Officer and Treasurer since April 22, 2020; Executive Vice President, Finance from January 1, 2019 to April 22, 2020; Executive Vice President, Chief Human Resources Officer from July 1, 2016 to January 1, 2019; Executive Vice President, Chief Human Resources Officer and Chief Information Officer from February 18, 2016 to July 1, 2016; Executive Vice President, Chief Information Officer and Interim Chief Human Resources Officer from March 7, 2015 to February 18, 2016; Executive Vice President, Chief Information Officer from February 19, 2014 to March 7, 2015; Vice President, Chief Information Officer from May 1, 2012 to February 19, 2014; Vice President, Corporate Controller from 2005 to May 1, 2012.
Jennifer I. Ansberry	49	Executive Vice President, General Counsel and Secretary since April 20, 2017; Vice President, Deputy General Counsel from August 1, 2014 to April 20, 2017; Deputy General Counsel from 2004 to August 1, 2014.
Steven B. Hedlund	56	Executive Vice President, Chief Operating Officer since May 9, 2022; Executive Vice President and President, Americas and International Welding from October 21, 2020 to May 9, 2022; Executive Vice President and President, International Welding from June 1, 2017 to October 21, 2020; Senior Vice President and President, Global Automation from January 22, 2015 to June 1, 2017; Senior Vice President, Strategy & Business Development from February 19, 2014 to January 22, 2015; Vice President, Strategy and Business Development from September 15, 2008 to February 19, 2014.
Michele R. Kuhrt	56	Executive Vice President, Chief Human Resources Officer since February 25, 2019; Executive Vice President, Chief Information Officer from July 1, 2016 to February 25, 2019; Senior Vice President, Tax from 2006 to July 1, 2016.
Lisa A. Dietrich	50	Executive Vice President, Chief Information Officer since May 9, 2022. Senior Vice President and Chief Information Officer, American Greetings Corporation (a global leader in the large and enduring Celebrations marketplace) from March 2018 until April 2022; Vice President of Business Transformation and Executive Director, American Greetings Corporation from January 2011 to March 2018.
Geoffrey P. Allman	52	Senior Vice President, Strategy and Business Development since January 1, 2019; Senior Vice President, Corporate Controller from January 14, 2014 to January 1, 2019; Corporate Controller from July 1, 2012 to January 14, 2014; Director, Regional Finance North America from October 1, 2009 to July 1, 2012.
Michael J. Whitehead	49	Senior Vice President, President, Global Automation, Cutting and Additive Businesses since January 1, 2019; Senior Vice President, Strategy and Business Development from August 1, 2016 to January 1, 2019; President, Lincoln Canada from January 1, 2015 to August 1, 2016; Director, New Product Development, Consumables R&D from January 1, 2012 to January 1, 2015.
Peter M. Pletcher	49	Senior Vice President, President International since August 1, 2022. Senior Vice President, President, International Welding from December 10, 2020 to August 1, 2022; Vice President, President, Europe Welding from April 1, 2019 to December 10, 2020; Vice President, President, Global Automation from January 1, 2018 to April 1, 2019; Director, Business Development, Cutting Products from January 1, 2016 to January 1, 2018.
Gregory Doria	46	Senior Vice President, President, Harris Products Group since October 1, 2021; Senior Vice President, Chief Operating Officer, Harris Products Group from April 21, 2021 to September 30, 2021; Vice President, Marketing from July 1, 2019 to April 20, 2021; Director, Global Industry Segments from March 1, 2017 to June 30, 2019; Regional Sales Manager, West Region from October 6, 2014 to February 28, 2017.

The Company has been advised that there is no arrangement or understanding among any one of the officers listed and any other persons pursuant to which he or she was elected as an officer. The executive officers are elected by the Board of Directors normally for a term of one year and/or until the election of their successors.

ITEM 2. PROPERTIES

The Company's corporate headquarters and principal United States manufacturing facilities are located in the Cleveland, Ohio area. Total Cleveland area property consists of 244 acres, of which present manufacturing facilities comprise an area of approximately 3,017,090 square feet.

The Company has 71 manufacturing facilities, including operations and joint ventures in 20 countries, the significant locations (grouped by operating segment) of which are as follows:

Americas Welding:

United States	Cleveland, Columbus, Coldwater, Fort Loramie, and Orrville, Ohio; Reno, Nevada; Ladson, South Carolina; Chattanooga, Tennessee; Detroit, Michigan; Fort Collins, Colorado; Bettendorf, Iowa; Churubusco, Indiana.
Brazil	Atibaia; Guarulhos; Sao Paulo.
Canada	Toronto; Mississauga; Hamilton; Montreal; Vankleek Hill.
Colombia	Bogota.
Mexico	Mexico City; Torreon; Saltillo.

International Welding:

Australia	Newcastle; Gladstone.
Austria	Scheifling.
China	Tangshan; Shanghai; Beijing.
France	Grand-Quevilly; Partheny.
Germany	Essen; Eisenberg; Frankfurt; Merzig.
India	Chennai; Pune.
Italy	Corsalone; Due Carrare.
Poland	Bielawa; Dzierzoniow.
Romania	Buzau.
Russia	Mtsensk.
South Korea	Siheung-si.
Spain	Valencia; Zaragoza.
Turkey	Istanbul.
United Kingdom	Sheffield, England; Port Talbot, Wales.

The Harris Products Group:

United States	Mason, Ohio; Gainesville, Georgia; Winston Salem, North Carolina; Gordonsville, Carthage, Tennessee; Florence, Alabama.
Brazil	Maua.
Italy	Verona.
Mexico	Guadalupe.
Poland	Dzierzoniow.
Portugal	Albergaria-a-Velha.

All properties relating to the Company's Cleveland, Ohio headquarters and manufacturing facilities are owned by the Company. Most of the Company's foreign subsidiaries own manufacturing facilities in the country where they are located. The Company believes that its existing properties are in good condition and are suitable for the conduct of its business. In March 2022, in response to Russia's invasion of Ukraine, the Company ceased operations in Russia.

In addition, the Company maintains operating leases for some manufacturing facilities, distribution centers and sales offices throughout the world. Refer to Note 17 to the consolidated financial statements for information regarding the Company's lease commitments.

ITEM 3. LEGAL PROCEEDINGS

The Company is subject, from time to time, to a variety of civil and administrative proceedings arising out of its normal operations, including, without limitation, product liability claims, regulatory claims and health, safety and environmental claims. Among such proceedings are the cases described below.

As of December 31, 2022, the Company was a co-defendant in cases alleging asbestos induced illness involving claims by approximately 1,483 plaintiffs, which is a net decrease of 6 claims from those previously reported. In each instance, the Company is one of a large number of defendants. The asbestos claimants seek compensatory and punitive damages, in most cases for unspecified sums. Since January 1, 1995, the Company has been a co-defendant in other similar cases that have been resolved as follows: 56,877 of those claims were dismissed, 23 were tried to defense verdicts, 7 were tried to plaintiff verdicts (which were reversed or resolved after appeal), 1 was resolved by agreement for an immaterial amount and 1,012 were decided in favor of the Company following summary judgment motions.

ITEM 4. MINE SAFETY DISCLOSURES

Not applicable.

PART II

ITEM 5. MARKET FOR REGISTRANT'S COMMON EQUITY, RELATED STOCKHOLDER MATTERS AND ISSUER PURCHASES OF EQUITY SECURITIES

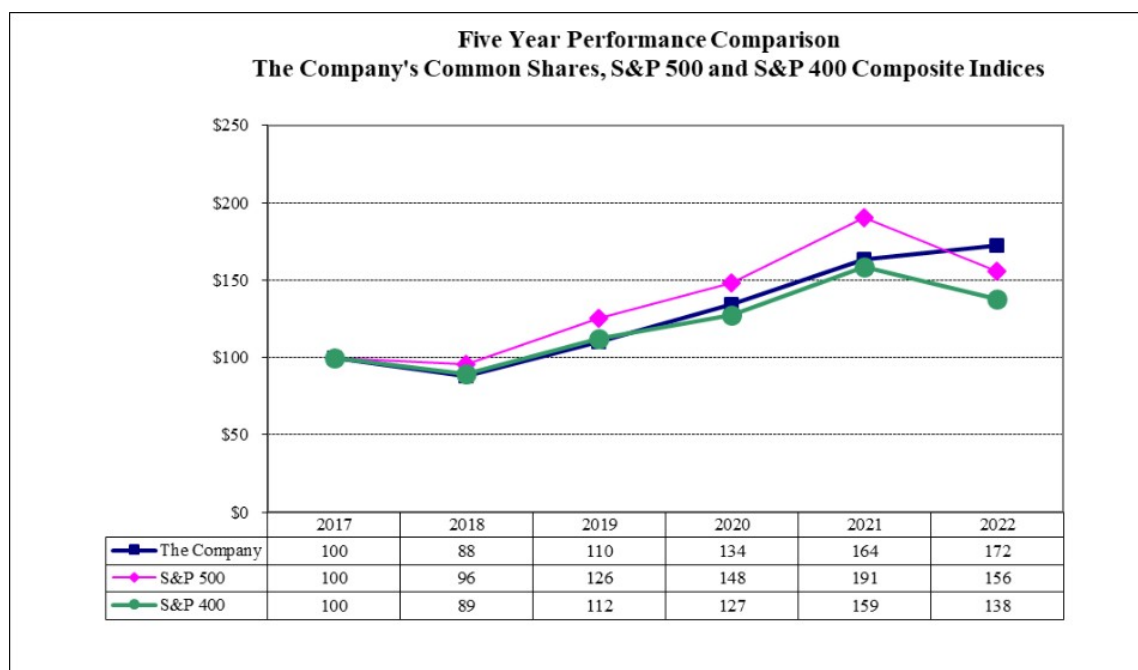
The Company's common shares are traded on The NASDAQ Global Select Market under the symbol "LECO." The number of record holders of common shares at December 31, 2022 was 2,238.

Issuer purchases of equity securities for the fourth quarter 2022 were:

Period	Total Number of Shares Purchased	Average Price Paid Per Share	Total Number of Shares Purchased as Part of Publicly Announced Plans or Programs	Maximum Number of Shares that May Yet be Purchased Under the Plans or Programs ^{(2) (3)}
October 1 - 31, 2022	65,983 ⁽¹⁾	\$ 128.36	65,429	9,018,517
November 1 - 30, 2022	57,782 ⁽¹⁾	145.39	57,772	8,960,745
December 1 - 31, 2022	56,476 ⁽¹⁾	145.31	56,419	8,904,326
Total	180,241	139.13	179,620	

- (1) The above share repurchases include the surrender of the Company's common shares in connection with the vesting of restricted awards.
- (2) On April 20, 2016, the Company announced that the Board of Directors authorized a new share repurchase program, which increased the total number of the Company's common shares authorized to be repurchased to 55 million shares. Total shares purchased through the share repurchase program were 55 million shares at a cost of \$2.5 billion for a weighted average cost of \$44.89 per share through December 31, 2022.
- (3) On February 12, 2020, the Company's Board of Directors authorized a new share repurchase program for up to an additional 10 million shares of the Company's common stock. Total shares purchased through the share repurchase program were 1.1 million shares at a total cost of \$145.3 million for a weighted average cost of \$132.65 per share through December 31, 2022.

The following line graph compares the yearly percentage change in the cumulative total shareholder return on the Company's common stock against the cumulative total return of the S&P Composite 500 Stock Index ("S&P 500") and the S&P 400 MidCap Index ("S&P 400") for the five-year calendar period commencing January 1, 2018 and ending December 31, 2022. This graph assumes that \$100 was invested on December 31, 2017 in each of the Company's common shares, the S&P 500 and the S&P 400. A peer-group index for the welding industry, in general, is not readily available because the industry is comprised of a large number of privately held competitors and competitors that are smaller parts of large publicly traded companies.



ITEM 6. [RESERVED]

ITEM 7. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

(Dollars in thousands, except per share amounts)

This Management's Discussion and Analysis of Financial Condition and Results of Operations should be read together with the Company's consolidated financial statements and other financial information included elsewhere in this Annual Report on Form 10-K. This Annual Report on Form 10-K contains forward-looking statements that involve risks and uncertainties. Actual results may differ materially from those indicated in the forward-looking statements. See "Item 1A. Risk Factors" for more information regarding forward-looking statements.

General

The Company is the world's largest designer and manufacturer of arc welding and cutting products, manufacturing a broad line of arc welding equipment, consumable welding products and other welding and cutting products.

The Company is one of only a few worldwide broad-line manufacturers of welding, cutting and brazing products. The Company is the world leader in the design, development and manufacture of arc welding products, automated joining, assembly and cutting systems, plasma and oxy-fuel cutting equipment. The Company also has a leading global position in brazing and soldering alloys.

The Company's products include arc welding, brazing and soldering filler metals (consumables), arc welding equipment, plasma and oxyfuel cutting systems, wire feeding systems, fume control equipment, welding accessories, specialty gas regulators, and education solutions; as well as a comprehensive portfolio of automated solutions for joining, cutting, material handling, module assembly, and end of line testing.

The Company invests in the research and development of arc welding products in order to continue its market leading product offering. The Company continues to invest in technologies that improve the quality and productivity of welding products. In addition, the Company actively protects its innovations as research and development has progressed in both the United States and other major international jurisdictions. The Company believes its significant investment in research and development and its highly trained technical sales force coupled with its extensive distributor network provide a competitive advantage in the marketplace.

The Company's products are sold in both domestic and international markets. In the Americas, products are sold principally through industrial distributors, retailers and also directly to users of welding products. Outside of the Americas, the Company has an international sales organization comprised of Company employees and agents who sell products from the Company's various manufacturing sites to distributors and product users.

The Company's major end-user markets include:

- general fabrication,
- energy (oil and gas, power generation and process industries),
- heavy industries (heavy fabrication, ship building and maintenance and repair),
- automotive and transportation, and
- construction and infrastructure.

The Company has, through wholly-owned subsidiaries, manufacturing facilities located in the United States, Australia, Austria, Brazil, Canada, China, Colombia, France, Germany, India, Italy, Mexico, Poland, Portugal, Romania, Russia, South Korea, Spain, Turkey and the United Kingdom.

The principal raw materials essential to the Company's business are steel, electronic components, engines, brass, copper, silver, aluminum alloys, robotic components and various chemicals, all of which are normally available for purchase in the open market.

The Company's facilities are subject to environmental regulations. To date, compliance with these environmental regulations has not had a material adverse effect on the Company's earnings. The Company is ISO 14001 certified at most significant manufacturing facilities in North America and Europe and is progressing towards certification at its remaining facilities worldwide. In addition, the Company is ISO 9001 certified at 42 facilities worldwide.

The Company ensures compliance and the continuous improvement of the environmental performance of its products and operations through its global Environmental, Health, Safety and Quality ("EHS&Q") systems. The Company's systems are guided by the Corporate EHS&Q Policy, global directives and corporate standards that establish consistent guidelines for the management, measurement and reporting of environmental, health and safety activities, as well as quality across the Company's global platform. The Company's products support our customers' sustainable operations through enhanced worker safety, reduced emissions, improved energy efficiency, reduced waste and regulatory compliance.

On December 1, 2022, the Company acquired Fori Automation, LLC (“Fori”) for a cash purchase price of \$427,000, subject to customary working capital adjustments. The Company funded the transaction with available cash on hand and a \$400,000 senior unsecured term loan. Fori is a leading designer and manufacturer of complex, multi-armed automated welding systems, with an extensive range of automated assembly systems, automated material handling solutions, automated large-scale, industrial guidance vehicles, and end of line testing systems. The Fori acquisition will extend the Company’s market presence within the automotive sector as well as its automation footprint in the International Welding segment. Fori’s balance sheet is included in the Company’s Consolidated Balance Sheet as of December 31, 2022.

Key Indicators

Key economic measures relevant to the Company include industrial production trends, steel consumption, purchasing manager indices, capacity utilization within durable goods manufacturers and consumer confidence indicators. Key industries which provide a relative indication of demand drivers to the Company include steel, farm machinery and equipment, construction and transportation, fabricated metals, electrical equipment, ship and boat building, defense, truck manufacturing, energy and railroad equipment. Although these measures provide key information on trends relevant to the Company, the Company does not have available a more direct correlation of leading indicators which can provide a forward-looking view of demand levels in the markets which ultimately use the Company’s welding products.

Key operating measures utilized by the operating units to manage the Company include orders, backlog, sales, inventory and fill-rates, all of which provide key indicators of business trends. These measures are reported on various cycles including daily, weekly and monthly depending on the needs established by operating management.

Key financial measures utilized by the Company’s executive management and operating units in order to evaluate the results of its business and in understanding key variables impacting the current and future results of the Company include: sales; gross profit; selling, general and administrative expenses; operating income; earnings before interest and taxes; earnings before interest, taxes and bonus; net income; adjusted operating income; adjusted earnings before interest and income taxes; adjusted earnings before interest, taxes and bonus; adjusted net income; adjusted diluted earnings per share; operating cash flows; and capital expenditures, as well as applicable ratios such as return on invested capital and average operating working capital to sales. These measures are reviewed at monthly, quarterly and annual intervals and compared with historical periods, as well as objectives established by the Board of Directors of the Company.

The discussion that follows includes a comparison of our results of operations, liquidity and capital resources for fiscal years ended December 31, 2022 and 2021. For a comparison of the Company’s results of operations, liquidity and capital resources for the fiscal years ended December 31, 2021 and 2020, see Item 7, Management’s Discussion and Analysis of Financial Condition and Results of Operations in the Company’s Annual Report on Form 10-K for the year ended December 31, 2021, which was filed with the SEC on February 18, 2022.

Results of Operations

The following table shows the Company's results of operations:

	Year Ended December 31,				Favorable (Unfavorable)	
	2022		2021		2022 vs. 2021	
	Amount	% of Sales	Amount	% of Sales	\$	%
Net sales (Note 2)	\$ 3,761,211		\$ 3,234,180		\$ 527,031	16.3 %
Cost of goods sold	2,480,451		2,165,575		(314,876)	(14.5)%
Gross profit	1,280,760	34.1 %	1,068,605	33.0 %	212,155	19.9 %
Selling, general & administrative expenses	656,636	17.5 %	597,109	18.5 %	(59,527)	(10.0)%
Rationalization and asset impairment charges (Note 7)	11,788	0.3 %	9,827	0.3 %	(1,961)	(20.0)%
Operating income	612,336	16.3 %	461,669	14.3 %	150,667	32.6 %
Interest expense, net	29,500		22,214		(7,286)	(32.8)%
Other income (expense) (Note 12)	9,991		(114,457)		124,448	108.7 %
Income before income taxes	592,827	15.8 %	324,998	10.0 %	267,829	82.4 %
Income taxes (Note 13)	120,603		48,418		(72,185)	(149.1)%
Effective tax rate (Note 13)	20.3 %		14.9 %		(5.4)%	
Net income including non-controlling interests	472,224		276,580		195,644	70.7 %
Non-controlling interests in subsidiaries' income	—		114		(114)	(100.0)%
Net income	\$ 472,224	12.6 %	\$ 276,466	8.5 %	\$ 195,758	70.8 %
Diluted earnings per share (Note 3)	\$ 8.04		\$ 4.60		\$ 3.43	74.6 %

Net Sales:

The following table summarizes the impacts of volume, acquisitions, price and foreign currency exchange rates on Net sales for the twelve months ended December 31, 2022 on a consolidated basis:

	Net Sales 2021	Change in Net Sales due to:				Net Sales 2022
		Volume	Acquisitions	Price	Foreign Exchange	
Lincoln Electric Holdings, Inc.	\$ 3,234,180	\$ 160,362	\$ 74,645	\$ 468,925	\$ (176,901)	\$ 3,761,211
% Change						
Lincoln Electric Holdings, Inc.		5.0 %	2.3 %	14.5 %	(5.5)%	16.3 %

Net sales increased primarily as a result of higher demand levels, increased product pricing as a result of higher input costs and the impact of acquisitions, partially offset by unfavorable foreign exchange.

Gross Profit:

Gross profit for 2022 increased, as a percent of sales, compared to the prior year primarily due to higher volumes, the benefit of profit improvement and cost reduction actions, which offset higher input costs. Last-in, first-out ("LIFO") charges were \$19,733 in the twelve months ended December 31, 2022 as compared with charges of \$38,595 in the prior year.

Selling, General & Administrative ("SG&A") Expenses:

SG&A expense increased in 2022 as compared to 2021 was primarily due to higher employee costs.

Other Income (Expense):

The increase in 2022 as compared to 2021 was primarily due to non-cash pension settlement charges in 2021 related to the termination of a pension plan. Refer to Note 12 to the consolidated financial statements for details.

Income Taxes:

The 2022 effective tax rate was higher than 2021 primarily due to a change in the mix of earnings, as well as the impact of the 2021 pension plan termination.

Segment Results
Net Sales:

The table below summarizes the impacts of volume, acquisitions, price and foreign currency exchange rates on Net sales for the twelve months ended December 31, 2022:

	Net Sales 2021	Change in Net Sales due to:				Net Sales 2022
		Volume	Acquisitions ⁽¹⁾	Price ⁽²⁾	Foreign Exchange ⁽³⁾	
Operating Segments						
Americas Welding	\$ 1,824,481	\$ 156,561	\$ 17,602	\$ 298,928	\$ (8,638)	\$ 2,288,934
International Welding	948,125	(9,019)	17,632	159,130	(161,587)	954,281
The Harris Products Group	461,574	12,820	39,411	10,867	(6,676)	517,996
% Change						
Americas Welding		8.6 %	1.0 %	16.4 %	(0.5)%	25.5 %
International Welding		(1.0)%	1.9 %	16.8 %	(17.0)%	0.6 %
The Harris Products Group		2.8 %	8.5 %	2.4 %	(1.4)%	12.2 %

(1) Increase due to the acquisitions discussed in Note 4.

(2) Increase for all segments reflects increased product pricing taken in response to higher input costs and unfavorable foreign exchange translation.

(3) Decrease for 2022 in International Welding primarily due to the devaluation of the Turkish Lira and Euro.

Adjusted Earnings Before Interest and Income Taxes (“Adjusted EBIT”):

Segment performance is measured and resources are allocated based on a number of factors, the primary measure being the Adjusted EBIT profit measure. EBIT is defined as Operating income plus Equity earnings in affiliates and Other income. EBIT is adjusted for special items as determined by management such as the impact of rationalization activities, certain asset impairment charges and gains or losses on disposals of assets.

The following table presents Adjusted EBIT by segment:

	Year Ended December 31,		Favorable (Unfavorable) 2022 vs. 2021	
	2022	2021	\$	%
<i>Americas Welding:</i>				
Net sales	\$ 2,288,934	\$ 1,824,481	\$ 464,453	25.5 %
Inter-segment sales	122,019	140,650	(18,631)	(13.2)%
Total Sales	\$ 2,410,953	\$ 1,965,131	\$ 445,822	22.7 %
Adjusted EBIT ⁽⁴⁾	\$ 462,819	\$ 329,016	\$ 133,803	40.7 %
As a percent of total sales ⁽¹⁾	19.2 %	16.7 %		2.5 %
<i>International Welding:</i>				
Net sales	\$ 954,281	\$ 948,125	\$ 6,156	0.6 %
Inter-segment sales	31,503	26,331	5,172	19.6 %
Total Sales	\$ 985,784	\$ 974,456	\$ 11,328	1.2 %
Adjusted EBIT ⁽⁵⁾	\$ 120,157	\$ 106,208	\$ 13,949	13.1 %
As a percent of total sales ⁽²⁾	12.2 %	10.9 %		1.3 %
<i>The Harris Products Group:</i>				
Net sales	\$ 517,996	\$ 461,574	\$ 56,422	12.2 %
Inter-segment sales	11,040	8,096	2,944	36.4 %
Total Sales	\$ 529,036	\$ 469,670	\$ 59,366	12.6 %
Adjusted EBIT ⁽⁶⁾	\$ 64,008	\$ 68,447	\$ (4,439)	(6.5)%
As a percent of total sales ⁽³⁾	12.1 %	14.6 %		(2.5)%
<i>Corporate / Eliminations:</i>				
Inter-segment sales	\$ (164,562)	\$ (175,077)	\$ 10,515	6.0 %
Adjusted EBIT ⁽⁷⁾	(10,033)	(12,403)	2,370	19.1 %
<i>Consolidated:</i>				
Net sales	\$ 3,761,211	\$ 3,234,180	\$ 527,031	16.3 %
Net income	\$ 472,224	\$ 276,466	\$ 195,758	70.8 %
As a percent of total sales	12.6 %	8.5 %		4.1 %
Adjusted EBIT ⁽⁸⁾	\$ 636,951	\$ 491,268	\$ 145,683	29.7 %
As a percent of sales	16.9 %	15.2 %		1.7 %

- (1) Increase for 2022 as compared to 2021 primarily driven by higher volumes, the impact of profit improvement initiatives and pricing actions taken to offset higher input costs, partially offset by higher employee costs.
- (2) Increase for 2022 as compared to 2021 primarily driven by profit improvement initiatives including cost reduction activities.
- (3) Decrease for 2022 compared to 2021 primarily driven by acquisition integration activities, unfavorable mix and declining commodity pricing in certain metal offerings.

- (4) 2022 excludes a favorable adjustment related to the termination of a pension plan of \$3,735, the amortization of step up in value of acquired inventories of \$1,106 and Rationalization and asset impairment gains of \$431 related to severance and gains or losses on the disposal of assets as discussed in Note 7 to the consolidated financial statements.

2021 excludes non-cash pension settlement charges of \$123,091 as discussed in Note 11 to the consolidated financial statements.

- (5) 2022 excludes Rationalization and asset impairment gains of \$11,681 related to impairment charges as discussed in Note 7 to the consolidated financial statements.

2021 excludes Rationalization and asset impairment charges of \$9,804 related to severance and gains or losses on the disposal of assets as discussed in Note 7 to the consolidated financial statements, the amortization of step up in value of acquired inventories of \$4,984 related to an acquisition and pension settlement charges of \$446.

- (6) 2021 excludes the amortization of step up in value of acquired inventories of \$820 related to an acquisition and non-cash pension settlement charges of \$2,965 as discussed in Note 11 to the consolidated financial statements.

- (7) 2022 excludes acquisition transaction and integration costs of \$6,003 related to the acquisition as discussed in Note 4 to the consolidated financial statements.

2021 excludes acquisition transaction and integration costs of \$1,923 related to the acquisitions as discussed in Note 4 to the consolidated financial statements.

- (8) See non-GAAP Financial Measures for a reconciliation of Net income as reported and Adjusted EBIT.

Non-GAAP Financial Measures

The Company reviews Adjusted operating income, Adjusted EBIT, Adjusted net income, Adjusted effective tax rate, Adjusted diluted earnings per share, Adjusted return on invested capital, and Adjusted net operating profit after taxes, all non-GAAP financial measures, in assessing and evaluating the Company's underlying operating performance. These non-GAAP financial measures exclude the impact of special items on the Company's reported financial results. Non-GAAP financial measures should be read in conjunction with the generally accepted accounting principles in the United States ("GAAP") financial measures, as non-GAAP measures are a supplement to, and not a replacement for, GAAP financial measures. From time to time, management evaluates and discloses to investors the following non-GAAP measures: Free cash flow ("FCF"), defined as Net cash provided by operating activities less Capital expenditures (the Company considers FCF to be a liquidity measure that provides useful information to management and investors about how the amount of cash generated by our business, after the purchase of property and equipment, can be used for debt service, acquisitions, paying dividends and repurchasing our common shares); Cash conversion, defined as FCF divided by Adjusted net income; Organic sales, defined as sales excluding the effects of foreign currency and acquisitions.

The following table presents a reconciliation of Operating income as reported to Adjusted operating income:

	Year Ended December 31,	
	2022	2021
Operating income as reported	\$ 612,336	\$ 461,669
Special items (pre-tax):		
Rationalization and asset impairment charges ⁽¹⁾	11,788	9,827
Acquisition transaction costs ⁽²⁾	6,003	1,923
Amortization of step up in value of acquired inventories ⁽³⁾	1,106	5,804
Adjusted operating income	<u>\$ 631,233</u>	<u>\$ 479,223</u>

[Table of Contents](#)

- (1) Charges primarily consist of employee severance, gains or losses on the disposal of assets and other related costs and non-cash asset impairment charges.
- (2) Costs related to acquisition and included in Selling, general & administrative expenses.
- (3) Costs related to acquisitions and included in Cost of goods sold.

The following table presents the reconciliations of Net income as reported to Adjusted net income and Adjusted EBIT, Effective tax rate as reported to Adjusted effective tax rate and Diluted earnings per share as reported to Adjusted diluted earnings per share:

	Year Ended December 31,	
	2022	2021
Net income as reported	\$ 472,224	\$ 276,466
Special items:		
Rationalization and asset impairment charges ⁽¹⁾	11,788	9,827
Acquisition transaction costs ⁽²⁾	6,003	1,923
Pension settlement net charges ⁽³⁾	(4,273)	126,502
Amortization of step up in value of acquired inventories ⁽⁴⁾	1,106	5,804
Tax effect of Special items ⁽⁵⁾	(1,192)	(47,188)
Adjusted net income	\$ 485,656	\$ 373,334
Non-controlling interests in subsidiaries' earnings (loss)	—	114
Interest expense, net	29,500	22,214
Income taxes as reported	120,603	48,418
Tax effect of Special items ⁽⁵⁾	1,192	47,188
Adjusted EBIT	\$ 636,951	\$ 491,268
Effective tax rate as reported	20.3 %	14.9 %
Net special item tax impact	(0.2)%	5.5 %
Adjusted effective tax rate	20.1 %	20.4 %
Diluted earnings per share as reported	\$ 8.04	\$ 4.60
Special items per share	0.23	1.62
Adjusted diluted earnings per share	\$ 8.27	\$ 6.22

- (1) Charges primarily consist of employee severance, gains or losses on the disposal of assets and other related costs and non-cash asset impairment charges.
- (2) Costs related to acquisitions as discussed in Note 4 to the consolidated financial statements.
- (3) Net charges related to lump sum pension payments and the purchase of a group annuity contract as discussed in Note 11 to the consolidated financial statements.
- (4) Costs related to acquisitions and included in Cost of goods sold.
- (5) Includes the net tax impact of Special items recorded during the respective periods.

The tax effect of Special items impacting pre-tax income was calculated as the pre-tax amount multiplied by the applicable tax rate. The applicable tax rates reflect the taxable jurisdiction and nature of each Special item.

Liquidity and Capital Resources

The Company's cash flow from operations can be cyclical. Operational cash flow is a key driver of liquidity. In assessing liquidity, the Company reviews working capital measurements to define areas for improvement. Management

anticipates the Company will be able to satisfy cash requirements for its ongoing businesses for the foreseeable future primarily with cash generated by operations, existing cash balances, borrowings under its existing credit facilities and raising debt in capital markets.

The Company continues to expand globally and periodically looks at transactions that would involve significant investments. The Company can fund its global expansion plans with operational cash flow, but a significant acquisition may require access to capital markets, in particular, the long-term debt market, as well as the syndicated bank loan market. The Company's financing strategy is to fund itself at the lowest after-tax cost of funding. Where possible, the Company utilizes operational cash flows and raises capital in the most efficient market, usually the United States, and then lends funds to the specific subsidiary that requires funding. If additional acquisitions providing appropriate financial benefits become available, additional expenditures may be made.

The following table reflects changes in key cash flow measures:

	Year Ended December 31,		
	2022	2021	\$ Change
Cash provided by operating activities ⁽¹⁾	\$ 383,386	\$ 365,063	\$ 18,323
Cash used by investing activities ⁽²⁾	(504,691)	(205,356)	(299,335)
Capital expenditures	(71,883)	(62,531)	(9,352)
Acquisition of businesses, net of cash acquired	(436,298)	(156,106)	(280,192)
Cash provided by (used by) financing activities ⁽³⁾	133,725	(221,940)	355,665
Proceeds from short-term borrowings	34,351	46,476	(12,125)
Proceeds from (payments on) long-term borrowings	405,444	(508)	405,952
Purchase of shares for treasury	(181,293)	(164,526)	(16,767)
Cash dividends paid to shareholders	(130,724)	(121,851)	(8,873)
Increase (decrease) in Cash and cash equivalents ⁽⁴⁾	4,192	(64,321)	68,513

- (1) Cash provided by operating activities increased for the twelve months ended December 31, 2022 compared with the twelve months ended December 31, 2021 primarily due to higher company earnings.
- (2) Cash used by investing activities increased for the twelve months ended December 31, 2022 compared with the twelve months ended December 31, 2021 due to cash used in the acquisition of businesses in 2022. The Company currently anticipates capital expenditures of \$80,000 to \$100,000 in 2023. Anticipated capital expenditures include investments to increase capacity and improve operational effectiveness. Management critically evaluates all proposed capital expenditures and expects each project to increase efficiency, reduce costs, promote business growth or improve the overall safety and environmental conditions of the Company's facilities.
- (3) Cash provided by (used by) financing activities increased in the twelve months ended December 31, 2022 compared with the twelve months ended December 31, 2021 due to higher long-term borrowings in 2022 partially offset by an increase in the purchase of shares for treasury.
- (4) Cash and cash equivalents increased 2.2%, or \$4,192, to \$197,950 during the twelve months ended December 31, 2022, from \$192,958 as of December 31, 2021. The increase was predominantly due to higher cash provided by operating activities and an increase in long term borrowings offset by increase in cash used in the purchase of common shares for treasury, dividends paid to shareholders and for the acquisition of businesses in 2022.

The Company paid \$130,724 and \$121,851 in cash dividends to its shareholders in the twelve months ended December 31, 2022 and 2021, respectively. In January 2023, the Company paid a cash dividend of \$0.64 per share, or \$36,879, to shareholders of record on December 31, 2022, which reflects a 14.3% increase in the Company's dividend payout rate.

Working Capital Ratios

	2022 ⁽³⁾	2021
Average operating working capital to Net sales ^{(1) (2)}	20.9 %	16.3 %
Days sales in Inventories ⁽²⁾	132.5	121.0
Days sales in Accounts receivable	57.0	50.3
Average days in Trade accounts payable	57.0	59.8

- (1) Average operating working capital to Net sales is defined as the sum of Accounts receivable, Inventories and contract assets less Trade accounts payable and contract liabilities as of period end divided by annualized rolling three months of Net sales.
- (2) In order to minimize potential supply chain disruptions in serving customers due to the continued impacts of the COVID-19 pandemic, the Company increased inventories relative to expected Net sales resulting in higher Days sales in Inventories.
- (3) Average operating working capital excluding Fori would have been 18.6% as a percent of Net sales.

Rationalization and Asset Impairments

Refer to Note 7 to the consolidated financial statements for a discussion of the Company's rationalization plans. The Company believes the rationalization actions will positively impact future results of operations and will not have a material effect on liquidity and sources and uses of capital.

Acquisitions

Refer to Note 4 to the consolidated financial statements for a discussion of the Company's recent acquisitions.

Debt

At December 31, 2022 and 2021, the total amount of debt outstanding was \$1,203,879 and \$769,819, respectively, while the fair value of long-term debt, including the current portion, was approximately \$1,009,020 and \$776,655, respectively, which was determined using available market information and methodologies requiring judgment. The carrying value of this debt at such dates was \$1,121,435 and \$717,855, respectively. Since judgment is required in interpreting market information, the fair value of the debt is not necessarily the amount which could be realized in a current market exchange.

Senior Unsecured Notes

On April 1, 2015 and October 20, 2016, the Company entered into separate Note Purchase Agreements pursuant to which it issued senior unsecured notes (the "Notes") through a private placement. The Notes each have an aggregate principal amount of \$350,000. Interest on the Notes are payable semi-annually. The proceeds of the Notes were used for general corporate purposes. The Notes contain certain affirmative and negative covenants. As of December 31, 2022, the Company was in compliance with all of its debt covenants relating to the Notes.

The Company's total weighted average effective interest rate and remaining weighted average term, inclusive of the 2015 Notes and 2016 Notes, is 3.3% and 11.4 years, respectively.

Revolving Credit Agreements

On April 23, 2021, the Company amended and restated the agreement governing its line of credit by entering into the Second Amended and Restated Credit Agreement ("Credit Agreement"). The Credit Agreement has a line of credit totaling \$500,000, has a term of 5 years with a maturity date of April 23, 2026 and may be increased, subject to certain conditions including the consent of its lenders, by an additional amount up to \$150,000. The interest rate on borrowings is based on LIBOR plus a spread based on the Company's net leverage ratio. The Credit Agreement contains customary representations and warranties, as well as customary affirmative, negative and financial covenants for credit facilities of this type (subject to negotiated baskets and exceptions), including limitations on the Company and its subsidiaries with respect to liens, investments, distributions, mergers and acquisitions, dispositions of assets and transactions with affiliates. As of December 31, 2022, the Company was in compliance with all of its covenants and had \$45,000 of outstanding borrowings under the Credit Agreement.

The Company has other lines of credit and debt agreements totaling \$92,078. As of December 31, 2022, the Company was in compliance with all of its covenants and had \$37,444 outstanding at December 31, 2022.

Term Loan

On November 29, 2022, the Company entered into a term loan in the aggregate principal amount of \$400,000 (the "Term Loan"), which was borrowed in full. The Term Loan matures on November 29, 2025. The Term Loan bears an interest at a rate based on Term SOFR, plus a margin ranging from 0.75% to 1.75% based on the Company's consolidated net leverage ratio. The proceeds of the Term Loan were used to pay a portion of the purchase price in connection with the acquisition of Fori.

The agreement governing the Term Loan (the "Term Loan Credit Agreement") contains representations and warranties, as well as customary affirmative, negative and financial covenants for credit facilities of this type, including limitations on the Company and its subsidiaries with respect to liens, investments, distributions, mergers and acquisitions, dispositions of assets and transactions with affiliates. The Term Loan Credit Agreement requires the Company to maintain a minimum consolidated fixed charges coverage ratio and maximum consolidated net leverage ratio. As of December 31, 2022, the Company was in compliance with all of its covenants.

Shelf Agreements

On November 27, 2018, the Company entered into seven uncommitted master note facilities (the "Shelf Agreements") that allow borrowings up to \$700,000 in the aggregate. The Shelf Agreements have a five-year term and the average life of borrowings cannot exceed 15 years. The Company is required to comply with covenants similar to those contained in the 2015 Notes and 2016 Notes. As of December 31, 2022, the Company was in compliance with all of its covenants and had no outstanding borrowings under the Shelf Agreements.

Return on Invested Capital

The Company reviews return on invested capital ("ROIC") in assessing and evaluating the Company's underlying operating performance. Adjusted ROIC is a non-GAAP financial measure that the Company believes is a meaningful metric to investors in evaluating the Company's financial performance and may be different than the method used by other companies to calculate ROIC. Adjusted ROIC is defined as rolling 12 months of Adjusted net income excluding tax-effected interest income and expense divided by invested capital. Invested capital is defined as total debt, which includes Amounts due banks, Current portion of long-term debt and Long-term debt, less current portions, plus Total equity.

The following table presents the reconciliation of ROIC and Adjusted ROIC to net income:

	2022	2021
Return on Invested Capital		
Net income as reported	\$ 472,224	\$ 276,466
Plus: Interest expense (after-tax)	23,276	17,794
Less: Interest income (after-tax)	1,202	1,172
Net operating profit after taxes	\$ 494,298	\$ 293,088
Special items:		
Rationalization and asset impairment charges	11,788	9,827
Acquisition transaction costs	6,003	1,923
Pension settlement net charges	(4,273)	126,502
Amortization of step up in value of acquired inventories	1,106	5,804
Tax effect of Special items ⁽¹⁾	(1,192)	(47,188)
Adjusted net operating profit after taxes	\$ 507,730	\$ 389,956
Invested Capital		
Short-term debt	\$ 93,483	\$ 52,730
Long-term debt, less current portion	1,110,396	717,089
Total debt	1,203,879	769,819
Total equity	1,034,041	863,909
Invested capital	\$ 2,237,920	\$ 1,633,728
Return on invested capital as reported ⁽²⁾	22.1 %	17.9 %
Adjusted return on invested capital ⁽²⁾	22.7 %	23.9 %

(1) Includes the net tax impact of Special items recorded during the respective periods.

The tax effect of Special items impacting pre-tax income was calculated as the pre-tax amount multiplied by the applicable tax rate. The applicable tax rate reflects the taxable jurisdiction and nature of each Special item.

(2) Return on invested capital and Adjusted return on invested capital excluding Fori would have been 27.9% and 28.6%, respectively.

Contractual and Other Obligations

The Company's cash requirements for contractual and other obligations as of December 31, 2022 are as follows:

	Payments Due By Period				
	Total	2023	2024 to 2025	2026 to 2027	2028 and Beyond
Long-term debt, including current portion (Note 9)	\$ 1,118,336	\$ 11,039	\$ 507,297	\$ —	\$ 600,000
Interest on long-term debt (Note 9)	345,782	45,448	88,157	39,970	172,207
Amounts due banks (Note 9)	82,444	82,444	—	—	—
Operating leases (Note 17)	51,798	11,342	16,588	9,310	14,558
Purchase commitments ⁽¹⁾	2,003,872	1,999,751	3,579	355	187
Transition Tax ⁽²⁾	11,459	—	11,459	—	—
Total	\$ 3,613,691	\$ 2,150,024	\$ 627,080	\$ 49,635	\$ 786,952

(1) Purchase commitments include contractual obligations for raw materials and services.

(2) Federal income taxes on the Company's transition tax pursuant to the U.S. Tax Act is payable over eight years. Amounts reflect the utilization of 2017 overpayments and foreign tax credits.

As of December 31, 2022, there were \$17,424 of tax liabilities related to unrecognized tax benefits and a \$39,090 liability for deferred compensation. Because of the high degree of uncertainty regarding the timing of future cash outflows associated with these liabilities, the Company is unable to estimate the years in which settlement will occur.

Stock-Based Compensation

On April 23, 2015, the shareholders of the Company approved the 2015 Equity and Incentive Compensation Plan ("Employee Plan"). The Employee Plan provides for the granting of options, appreciation rights, restricted shares, restricted stock units and performance-based awards up to an additional 5,400,000 of the Company's common shares. In addition, on April 23, 2015, the shareholders of the Company approved the 2015 Stock Plan for Non-Employee Directors ("2015 Director Plan"). The 2015 Director Plan provides for the granting of options, restricted shares and restricted stock units up to an additional 300,000 of the Company's common shares. At December 31, 2022, there were 1,381,427 common shares available for future grant under all plans.

Under these plans, options, restricted shares and restricted stock units granted were 284,946 in 2022 and 313,547 in 2021. The Company issued common shares from treasury upon all exercises of stock options, vesting of restricted stock units and the granting of restricted stock awards in 2022 and 2021.

Total stock-based compensation expense recognized in the Consolidated Statements of Income for 2022 and 2021 was \$25,276 and \$23,787, respectively, with a related tax benefit of \$6,363 and \$5,988, respectively. As of December 31, 2022, total unrecognized stock-based compensation expense related to non-vested stock options and restricted stock units was \$17,610, which is expected to be recognized over a weighted average period of approximately 1.3 years.

The aggregate intrinsic value of options outstanding and exercisable, which would have been received by the optionees, had all awards been exercised at December 31, 2022 was \$58,282 and \$49,024, respectively. The total intrinsic value of awards exercised during 2022 and 2021 was \$7,082 and \$20,442, respectively.

Product Liability Costs

Product liability costs incurred can be volatile and are largely related to trial activity. The costs associated with these claims are predominantly defense costs which are recognized in the periods incurred.

The long-term impact of product liability contingencies, in the aggregate, on operating results, operating cash flows and access to capital markets is difficult to assess, particularly since claims are in many different stages of development and the Company benefits significantly from cost sharing with co-defendants and insurance carriers. Moreover, the Company has been largely successful to date in its defense of these claims.

Off-Balance Sheet Arrangements

The Company utilizes letters of credit to back certain payment and performance obligations. Letters of credit are subject to limits based on amounts outstanding under the Company's Credit Agreement.

New Accounting Pronouncements

Refer to Note 1 to the consolidated financial statements for a discussion of new accounting pronouncements.

Critical Accounting Policies and Estimates

The Company's consolidated financial statements are based on the selection and application of significant accounting policies, which require management to make estimates and assumptions. These estimates and assumptions are reviewed periodically by management and compared to historical trends to determine the accuracy of estimates and assumptions used. If warranted, these estimates and assumptions may be changed as current trends are assessed and updated. Historically, the Company's estimates have been determined to be reasonable. No material changes to the Company's

accounting policies were made during 2022. The Company believes the following accounting policies are some of the more critical judgment areas affecting its financial condition and results of operations.

Legal and Tax Contingencies

The Company, like other manufacturers, is subject from time to time to a variety of civil and administrative proceedings arising in the ordinary course of business. Such claims and litigation include, without limitation, product liability claims, administrative claims, regulatory claims and health, safety and environmental claims, some of which relate to cases alleging asbestos induced illnesses. The costs associated with these claims are predominantly defense costs, which are recognized in the periods incurred. Insurance reimbursements mitigate these costs and, where reimbursements are probable, they are recognized in the applicable period. With respect to costs other than defense costs (i.e., for liability and/or settlement or other resolution), reserves are recorded when it is probable that the contingencies will have an unfavorable outcome. The Company accrues its best estimate of the probable costs after a review of the facts with management and counsel and taking into account past experience. If an unfavorable outcome is determined to be reasonably possible but not probable, or if the amount of loss cannot be reasonably estimated, disclosure would be provided for material claims or litigation. Many of the current cases are in differing procedural stages and information on the circumstances of each claimant, which forms the basis for judgments as to the validity or ultimate disposition of such actions, varies greatly. Therefore, in many situations a range of possible losses cannot be made. Reserves are adjusted as facts and circumstances change and related management assessments of the underlying merits and the likelihood of outcomes change. Moreover, reserves only cover identified and/or asserted claims. Future claims could, therefore, give rise to increases to such reserves.

The Company is subject to taxation from U.S. federal, state, municipal and international jurisdictions. The calculation of current income tax expense is based on the best information available and involves significant management judgment. The actual income tax liability for each jurisdiction in any year can in some instances be ultimately determined several years after the financial statements are published.

The Company maintains liabilities for unrecognized tax benefits related to uncertain income tax positions in various jurisdictions. The Company uses judgment in determining whether the technical merits of tax positions are more-likely-than-not to be sustained. Judgment is also used in measuring the related amount of tax benefit that qualifies for recognition, including the interpretation of applicable tax law, regulation and tax ruling.

Liabilities are settled primarily through the completion of audits within each individual tax jurisdiction or the closing of a statute of limitation. Liabilities can be affected by changes in applicable tax law, regulations, tax rulings or such other factors, which may cause management to believe a revision of past estimates is appropriate. Management believes that an appropriate liability has been established for uncertain income tax positions; however, actual results may materially differ from these estimates. Refer to Note 13 to the consolidated financial statements for further discussion of uncertain income tax positions.

Deferred Income Taxes

Deferred income taxes are recognized at currently enacted tax rates for temporary differences between the GAAP and income tax basis of assets and liabilities and operating loss and tax credit carry-forwards. The Company repatriates earnings for certain non-U.S. subsidiaries, which are subject to foreign withholding taxes. The Company considers remaining earnings in all other non-U.S. subsidiaries to be indefinitely reinvested and has not recorded any deferred taxes as such estimate is not practicable.

At December 31, 2022, the Company had approximately \$142,430 of gross deferred tax assets related to deductible temporary differences and tax loss and credit carry-forwards, which may reduce taxable income in future years. In assessing the realizability of deferred tax assets, the Company assesses whether it is more-likely-than-not that a portion or all of the deferred tax assets will not be realized. The Company considers the scheduled reversal of deferred tax liabilities, tax planning strategies and projected future taxable income in making this assessment. At December 31, 2022, a valuation allowance of \$44,627 was recorded against certain deferred tax assets based on this assessment. The

Company believes it is more-likely-than-not that the tax benefit of the remaining net deferred tax assets will be realized. The amount of net deferred tax assets considered realizable could be increased or reduced in the future if the Company's assessment of future taxable income or tax planning strategies changes.

Pensions

The Company maintains a number of defined benefit ("Pension") and defined contribution plans to provide retirement benefits for employees. These plans are maintained and contributions are made in accordance with the Employee Retirement Income Security Act of 1974 ("ERISA"), local statutory law or as determined by the Board of Directors. The plans generally provide benefits based upon years of service and compensation. Pension plans are funded except for a domestic non-qualified pension plan for certain key employees and certain foreign plans.

A significant element in determining the Company's pension expense is the discount rate for plan liabilities. To develop the discount rate assumption, the Company refers to the yield derived from matching projected pension payments with maturities of a portfolio of available non-callable bonds rated AA or an equivalent quality. The Company determined this rate to be 4.3% at December 31, 2022 and 1.8% at December 31, 2021. A 10 basis point change in the discount rate would not have a significant impact to pension expense.

The Company's defined benefit plan (income) expense was \$(2,280) and \$124,929 in 2022 and 2021, respectively. Pension expense includes \$367 and \$126,013 in settlement charges in 2022 and 2021, respectively. The Company's defined contribution plan expense was \$29,569 and \$26,281 in 2022 and 2021, respectively. The Company expects total 2023 expense related to retirement plans to increase by a range of approximately \$500 to \$1,500, excluding settlement charges. Refer to Note 11 to the consolidated financial statements for additional information.

The Accumulated other comprehensive loss, excluding tax effects, recognized on the Consolidated Balance Sheet was \$3,759 as of December 31, 2022 and \$16,173 as of December 31, 2021. The decrease is primarily the result of a pension plan termination described below.

In March 2020, the Company approved an amendment to terminate the Lincoln Electric Company Retirement Annuity Program ("RAP") plan effective as of December 31, 2020. The Company provided notice to participants of the intent to terminate the plan and applied and received a determination letter. During 2021, pension obligations were distributed through a combination of lump sum payments to eligible plan participants and through the purchase of a group annuity contract in October 2021. The lump sum payments and annuity purchase resulted in pre-tax settlement charges of \$126,056 in the twelve months ended December 31, 2021. The remaining surplus assets of \$68,458 at December 31, 2021 were transferred to a suspense account in January 2022 and are being used to fund employer matching contributions in a qualified employee savings plan. The surplus assets as of December 31, 2022 were \$56,418 and are recorded in Other current assets and Other assets in the Company's Consolidated Balance Sheets.

Inventories

Inventories are valued at the lower of cost or net realizable value. Fixed manufacturing overhead costs are allocated to inventory based on normal production capacity and abnormal manufacturing costs are recognized as period costs. Cost for a substantial portion of U.S. inventories is determined on a LIFO basis. LIFO was used for 38% and 36% of total inventories at December 31, 2022 and 2021, respectively. Cost of other inventories is determined by costing methods that approximate a FIFO basis. The valuation of LIFO inventories is made at the end of each year based on inventory levels and costs at that time. Accordingly, interim LIFO calculations are based on management's estimates of expected year-end inventory levels and costs. Actual year-end inventory levels and costs may differ from interim LIFO inventory valuations. The excess of current cost over LIFO cost was \$133,909 at December 31, 2022 and \$114,176 at December 31, 2021.

The Company reviews the net realizable value of inventory on an on-going basis with consideration given to deterioration, obsolescence and other factors. If actual market conditions differ from those projected by management,

and the Company's estimates prove to be inaccurate, write-downs of inventory values and adjustments to Cost of goods sold may be required. Historically, the Company's reserves have approximated actual experience.

Long-Lived Assets

The Company periodically evaluates whether current facts or circumstances indicate that the carrying value of its depreciable long-lived assets, including leases and intangible assets that do not have indefinite lives, to be held and used may not be recoverable. If such circumstances are determined to exist, an estimate of undiscounted future cash flows produced by the long-lived asset, or the appropriate grouping of assets, is compared to the carrying value to determine whether impairment exists. If an asset is determined to be impaired, a loss is recognized to the extent that carrying value exceeds fair value. Fair value is measured based on quoted market prices in active markets, if available. If quoted market prices are not available, the estimate of fair value is based on various valuation techniques, including the discounted value of estimated future cash flows.

Goodwill and Intangibles

The Company performs an annual impairment test of goodwill and indefinite-lived intangible assets in the fourth quarter using the same date each year or more frequently if changes in circumstances or the occurrence of events indicate potential impairment.

The fair value of each indefinite-lived intangible asset is compared to its carrying value and an impairment charge is recorded if the carrying value exceeds the fair value. For goodwill, the Company first assesses qualitative factors to determine whether it is more-likely-than-not that the fair value of a reporting unit is less than its carrying amount, and whether it is necessary to perform the quantitative goodwill impairment test. The quantitative test is only required if the Company concludes that it is more-likely-than-not that a reporting unit's fair value is less than its carrying amount. The Company may also perform a quantitative test in instances where the more-likely-than-not threshold has not been met, including when general macroeconomic conditions or changes to the reporting unit warrant a refresh of the baseline used in a qualitative test. For quantitative testing, the Company compares the fair value of each reporting unit with its carrying amount. If the carrying amount exceeds the fair value, an impairment charge is recognized for the amount by which the carrying amount exceeds the reporting unit's fair value, not to exceed the total amount of goodwill allocated to that reporting unit.

Fair values are determined using established business valuation techniques and models developed by the Company, estimates of market participant assumptions of future cash flows, future growth rates and discount rates to value estimated cash flows. Changes in economic and operating conditions, actual growth below the assumed market participant assumptions or an increase in the discount rate could result in an impairment charge in a future period.

Acquisitions

Upon acquisition of a business, the Company uses the income, market or cost approach (or a combination thereof) for the valuation as appropriate. The valuation inputs in these models and analyses are based on market participant assumptions. Market participants are considered to be buyers and sellers unrelated to the Company in the principal or most advantageous market for the asset or liability.

Fair value estimates are based on a series of judgments about future events and uncertainties and rely on estimates and assumptions. Management values property, plant and equipment using the cost approach supported where available by observable market data, which includes consideration of obsolescence. Management values acquired intangible assets using the relief from royalty method or excess earnings method, forms of the income approach supported by observable market data for peer companies. The significant assumptions used to estimate the value of the acquired intangible assets include discount rates and certain assumptions that form the basis of future cash flows (such as revenue growth rates, customer attrition rates and royalty rates). Acquired inventories are marked to fair value. For certain items, the pre-acquisition carrying value is determined to be a reasonable approximation of fair value based on information available to the Company. Refer to Note 4 to the consolidated financial statements for additional details.

Revenue Recognition

Revenue is recognized when obligations under the terms of a contract are satisfied and control is transferred to the customer. Revenue is measured as the amount of consideration the Company expects to be entitled to in exchange for goods or services. Substantially all of the Company's sales arrangements are short-term in nature involving a single performance obligation. The Company recognizes revenue when the performance obligation is satisfied and control of the product is transferred to the customer based upon shipping terms. In addition, certain customized automation performance obligations are accounted for over time. Under this method, revenue recognition is primarily based upon the ratio of costs incurred to date compared with estimated total costs to complete. The cumulative impact of revisions to total estimated costs is reflected in the period of the change, including anticipated losses. Less than 10% of the Company's Net sales are recognized over time.

The Company recognizes any discounts, credits, returns, rebates and incentive programs based on reasonable estimates as a reduction of sales to arrive at Net sales at the same time the related revenue is recorded. Taxes collected by the Company, including sales tax and value added tax, are excluded from Net sales. The Company recognizes freight billed as a component of Net sales and shipping costs as a component of Cost of goods sold when control transfers to the customer. Sales commissions are expensed when incurred because the amortization period is generally one year or less. These costs are recorded within Selling, general and administrative expenses in the Company's Consolidated Statements of Income.

Refer to Note 2 to the consolidated financial statements for additional details.

ITEM 7A. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

The Company's primary financial market risks include fluctuations in currency exchange rates, commodity prices and interest rates. The Company manages these risks by using derivative financial instruments in accordance with established policies and procedures. The Company does not enter into derivatives or other financial instruments for trading or speculative purposes.

Included below is a sensitivity analysis based upon a hypothetical 10% weakening or strengthening in the U.S. dollar compared to foreign currency exchange rates at December 31, 2022, a 10% change in pricing of commodity contracts and a 100 basis point increase in effective interest rates at December 31, 2022. The derivative, borrowing and investment arrangements in effect at December 31, 2022 were compared to the hypothetical foreign exchange or interest rates in the sensitivity analysis to determine the effect on the Company's current period consolidated financial statements.

Foreign Currency Exchange Risk

The Company enters into forward foreign exchange contracts principally to hedge the currency fluctuations in transactions denominated in foreign currencies, thereby limiting the Company's risk that would otherwise result from changes in exchange rates.

At December 31, 2022, the Company hedged certain third-party and intercompany purchases and sales. The gross notional dollar amount of these foreign exchange contracts at December 31, 2022 was \$66,296. At December 31, 2022, a hypothetical 10% strengthening or weakening in the U.S. dollar would have changed Accumulated other comprehensive income (loss) by \$284.

The Company enters into forward foreign exchange contracts to hedge transaction exposures or significant cross-border intercompany loans by either purchasing or selling specified amounts of foreign currency at a specified date. The gross notional dollar amount of these foreign exchange contracts at December 31, 2022 was \$380,443. A hypothetical 10% change in the year-end exchange rates would have resulted in an increase or decrease to Income before income taxes of \$12,936 related to these positions. However, any loss (or gain) resulting from a hypothetical 10% change would be offset by the associated gain (or loss) on the underlying balance sheet exposure and would ultimately not materially affect the Company's financial statements. The Company also has a foreign currency forward contract hedge designated as a net

investment hedge with a notional dollar amount of \$88,843 at December 31, 2022. At December 31, 2022, a hypothetical 10% strengthening or weakening in the U.S. dollar would have changed Accumulated other comprehensive income (loss) by \$8,758.

Commodity Price Risk

From time to time, the Company uses various hedging arrangements to manage exposures to price risk from commodity purchases. These hedging arrangements have the effect of fixing for specified periods the prices the Company will pay for the volume to which the hedge relates. The notional amount of these contracts was 875,000 pounds at December 31, 2022. At December 31, 2022, a hypothetical 10% change in the price would have resulted in an increase or decrease to the value of the contracts by \$319.

Interest Rate Risk

In anticipation of future debt issuance associated with the Notes referenced in Note 9 to the consolidated financial statements, the Company has interest rate forward starting swap agreements to hedge the variability of future changes in interest rates. The gross notional dollar value of these contracts was \$100,000 at December 31, 2022. At December 31, 2022, a hypothetical 100 basis point increase to effective interest rates would have changed Accumulated other comprehensive income (loss) by \$7,584. At December 31, 2022, a hypothetical 100 basis point increase to variable interest rates would have changed Interest expense by approximately \$5,600.

The fair value of the Company's cash and cash equivalents at December 31, 2022 approximated cost due to the short-term duration. These financial instruments are subject to concentrations of credit risk. The Company has minimized this risk by entering into investments with a number of major banks and financial institutions and investing in high-quality instruments. The Company does not expect any counter-parties to fail to meet their obligations.

ITEM 8. FINANCIAL STATEMENTS AND SUPPLEMENTARY DATA

The response to this item is submitted in a separate section of this Annual Report on Form 10-K following the signature page.

ITEM 9. CHANGES IN AND DISAGREEMENTS WITH ACCOUNTANTS ON ACCOUNTING AND FINANCIAL DISCLOSURES

None.

ITEM 9A. CONTROLS AND PROCEDURES

Conclusion Regarding the Effectiveness of Disclosure Controls and Procedures

Under the supervision and with the participation of management, including the Chief Executive Officer and Chief Financial Officer, the Company conducted an evaluation of disclosure controls and procedures, as such term is defined in Rule 13a-15(e) of the Exchange Act. Based on this evaluation, the Chief Executive Officer and Chief Financial Officer concluded that the Company's disclosure controls and procedures were effective as of the end of the period covered by this Annual Report on Form 10-K.

Management's Report on Internal Control Over Financial Reporting

The Company's management is responsible for establishing and maintaining adequate internal control over financial reporting, as such term is defined in Exchange Act Rule 13a-15(f). Under the supervision and with the participation of the Company's management, including the Chief Executive Officer and Chief Financial Officer, the Company conducted an evaluation of the effectiveness of internal control over financial reporting as of December 31, 2022 based on the 2013 framework in "Internal Control – Integrated Framework" issued by the Committee of Sponsoring

Organizations of the Treadway Commission. Based on the Company's evaluation under such framework, management concluded that the Company's internal control over financial reporting was effective as of December 31, 2022.

During 2022, the Company completed the acquisition of Fori. Fori's assets are included in the Company's Consolidated Balance Sheet from the date of the acquisition and constituted approximately 14.6% of total assets as of December 31, 2022. As permitted by guidance issued by the Securities and Exchange Commission, the Company has elected to exclude Fori from our assessment of the effectiveness of our internal control over financial reporting as of December 31, 2022.

The effectiveness of the Company's internal control over financial reporting as of December 31, 2022 has been audited by Ernst & Young LLP, an independent registered public accounting firm, as stated in their report, which is included elsewhere in this Annual Report on Form 10-K.

Changes in Internal Control Over Financial Reporting

In December 2022, the Company acquired Fori. The acquired business operated under its own set of systems and internal controls and the Company is currently maintaining those systems and much of that control environment until it is able to incorporate its processes into the Company's own systems and control environment. The Company expects to complete the incorporation of the acquired business' operations into the Company's systems and control environment in 2023.

Except for changes in connection with the Company's acquisition of Fori business noted above, there have been no changes in the Company's internal control over financial reporting that occurred during the fourth quarter of 2022 that materially affected, or are reasonably likely to materially affect, the Company's internal control over financial reporting.

ITEM 9B. OTHER INFORMATION

None.

ITEM 9C. DISCLOSURE REGARDING FOREIGN JURISDICTIONS THAT PREVENT INSPECTIONS

None.

PART III

ITEM 10. DIRECTORS, EXECUTIVE OFFICERS AND CORPORATE GOVERNANCE

The Company is expected to file its 2023 proxy statement pursuant to Regulation 14A of the Exchange Act within 120 days after December 31, 2022.

Except for the information set forth within Part I, Item 1C section of this Annual Report on Form 10-K concerning our Executive Officers, the information required by this item is incorporated by reference from the 2023 proxy statement.

ITEM 11. EXECUTIVE COMPENSATION

The information required by this item is incorporated by reference from the 2023 proxy statement.

ITEM 12. SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT AND RELATED STOCKHOLDER MATTERS

The information required by this item is incorporated by reference from the 2023 proxy statement.

For further information on the Company's equity compensation plans, see Note 1 and Note 10 to the Company's consolidated financial statements.

ITEM 13. CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS, AND DIRECTOR INDEPENDENCE

The information required by this item is incorporated by reference from the 2023 proxy statement.

ITEM 14. PRINCIPAL ACCOUNTANT FEES AND SERVICES

The information required by this item is incorporated by reference from the 2023 proxy statement.

PART IV

ITEM 15. EXHIBITS AND FINANCIAL STATEMENT SCHEDULES

(a)(1) Financial Statements

The following reports and consolidated financial statements of the Company are included in a separate section of this report following the signature page and certifications:

Report of Independent Registered Public Accounting Firm (PCAOB ID 42)

Report of Independent Registered Public Accounting Firm on Internal Control Over Financial Reporting

Consolidated Statements of Income – Years ended December 31, 2022, 2021 and 2020

Consolidated Statements of Comprehensive Income – Years ended December 31, 2022, 2021 and 2020

Consolidated Balance Sheets – December 31, 2022 and 2021

Consolidated Statements of Equity – Years ended December 31, 2022, 2021 and 2020

Consolidated Statements of Cash Flows – Years ended December 31, 2022, 2021 and 2020

Notes to Consolidated Financial Statements

(a)(2) Financial Statement Schedules

The following consolidated financial statement schedule of the Company is included in a separate section of this report following the signature page:

Schedule II – Valuation and Qualifying Accounts

All other schedules for which provision is made in the applicable accounting regulation of the Securities and Exchange.

Commission are not required under the related instructions or are inapplicable, and therefore, have been omitted.

(a)(3) Exhibits

Exhibit N	Description
3.1	Amended and Restated Articles of Incorporation of Lincoln Electric Holdings, Inc., as amended on October 19, 2021 (filed as Exhibit 3.1 to Form 8-K of Lincoln Electric Holdings, Inc. filed on October 22, 2021, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
3.2	Amended and Restated Code of Regulations of Lincoln Electric Holdings, Inc., as amended on February 15, 2023 (filed as Exhibit 3.1 to Form 8-K of Lincoln Electric Holdings, Inc. filed on February 17, 2023, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
4.1	Description of Securities Registered Under Section 12 of the Securities Exchange Act of 1934 (filed as Exhibit 4.1 to Form 10-K of Lincoln Electric Holdings, Inc. for the year ended December 31, 2019, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
10.1	Second Amended and Restated Credit Agreement, dated as of April 23, 2021, by and among Lincoln Electric Holdings, Inc., The Lincoln Electric Company, Lincoln Electric International Holding Company, J.W. Harris Co., Inc., Lincoln Electric Automation, Inc., Lincoln Global, Inc., the Lenders and KeyBank National Association (filed as Exhibit 10.4 to Form 10-Q of Lincoln Electric Holdings, Inc. for the quarter ended March 31, 2021, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
10.2	Credit Agreement, dated as of November 29, 2022, by and among Lincoln Electric Holdings, Inc., The Lincoln Electric Company, Lincoln Electric International Holding Company, J.W. Harris Co., Inc., Lincoln Electric Automation, Inc., Lincoln Global, Inc., the Lenders and PNC Bank, National Association (filed as Exhibit 10.1 to Form 8-K of Lincoln Electric Holdings, Inc. filed on December 1, 2022, SEC File No. 0-1402 and incorporated herein by reference and made a part hereof).
10.3	Note Purchase Agreement, dated as of April 1, 2015, by and among Lincoln Electric Holdings, Inc., The Lincoln Electric Company, Lincoln Electric International Holding Company, J.W. Harris Co., Inc., Lincoln Global, Inc., Techalloy, Inc., Wayne Trail Technologies, Inc. and the purchasers party thereto (filed as Exhibit 10.1 to Form 8-K of Lincoln Electric Holdings, Inc. filed on April 2, 2015, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
10.4	Amendment No. 1 to Note Purchase Agreement, dated as of April 1, 2015, by and among Lincoln Electric Holdings, Inc., The Lincoln Electric Company, Lincoln Electric International Holding Company, J.W. Harris Co., Inc., Lincoln Global, Inc., Techalloy, Inc., Wayne Trail Technologies, Inc. and the purchasers party thereto, dated July 30, 2019 (filed as Exhibit 10.1 to Form 10-Q of Lincoln Electric Holdings, Inc. for the quarter ended September 30, 2019, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
10.5	Note Purchase Agreement, dated as of October 20, 2016, by and among Lincoln Electric Holdings, Inc., The Lincoln Electric Company, Lincoln Electric International Holding Company, J.W. Harris Co., Inc., Techalloy, Inc. and Wayne Trail Technologies, Inc. and the purchaser party thereto (filed as Exhibit 10.4 to Form 10-K of Lincoln Electric Holdings, Inc. for the year ended December 31, 2016, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
10.6	Uncommitted Master Note Facility, dated as of November 27, 2018, by and among Lincoln Electric Holdings, Inc., The Lincoln Electric Company, Lincoln Electric International Holding Company, J.W. Harris Co., Inc., Lincoln Global, Inc., Techalloy, Inc., Wayne Trail Technologies, Inc., MetLife Investment Advisors, LLC and/or one or more of its affiliates or related funds, as purchasers thereunder (filed as Exhibit 10.1 to Form 8-K of Lincoln Electric Holdings, Inc. filed on November 29, 2018, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
10.7	Uncommitted Master Note Facility, dated as of November 27, 2018, by and among Lincoln Electric Holdings, Inc., The Lincoln Electric Company, Lincoln Electric International Holding Company, J.W. Harris Co., Inc., Lincoln Global, Inc., Techalloy, Inc., Wayne Trail Technologies, Inc., Voya Retirement Insurance and Annuity Company and/or one or more of its affiliates or related funds, as purchasers thereunder (filed as Exhibit 10.2 to Form 8-K of Lincoln Electric Holdings, Inc. filed on November 29, 2018, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).

10.8	Uncommitted Master Note Facility, dated as of November 27, 2018, by and among Lincoln Electric Holdings, Inc., The Lincoln Electric Company, Lincoln Electric International Holding Company, J.W. Harris Co., Inc., Lincoln Global, Inc., Techalloy, Inc., Wayne Trail Technologies, Inc., State Farm Life Insurance Company and/or one or more of its affiliates or related funds, as purchasers thereunder (filed as Exhibit 10.3 to Form 8-K of Lincoln Electric Holdings, Inc. filed on November 29, 2018, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
10.9	Uncommitted Master Note Facility, dated as of November 27, 2018, by and among Lincoln Electric Holdings, Inc., The Lincoln Electric Company, Lincoln Electric International Holding Company, J.W. Harris Co., Inc., Lincoln Global, Inc., Techalloy, Inc., Wayne Trail Technologies, Inc., AIG Asset Management (U.S.), LLC and/or one or more of its affiliates or related funds, as purchasers thereunder (filed as Exhibit 10.4 to Form 8-K of Lincoln Electric Holdings, Inc. filed on November 29, 2018, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
10.10	Uncommitted Master Note Facility, dated as of November 27, 2018, by and among Lincoln Electric Holdings, Inc., The Lincoln Electric Company, Lincoln Electric International Holding Company, J.W. Harris Co., Inc., Lincoln Global, Inc., Techalloy, Inc., Wayne Trail Technologies, Inc., John Hancock Life Insurance Company (U.S.A.) and/or one or more of its affiliates or related funds, as purchasers thereunder (filed as Exhibit 10.5 to Form 8-K of Lincoln Electric Holdings, Inc. filed on November 29, 2018, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
10.11	Uncommitted Master Note Facility, dated as of November 27, 2018, by and among Lincoln Electric Holdings, Inc., The Lincoln Electric Company, Lincoln Electric International Holding Company, J.W. Harris Co., Inc., Lincoln Global, Inc., Techalloy, Inc., Wayne Trail Technologies, Inc., Thrivent Financial for Lutherans and/or one or more of its affiliates or related funds, as purchasers thereunder (filed as Exhibit 10.6 to Form 8-K of Lincoln Electric Holdings, Inc. filed on November 29, 2018, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
10.12	Uncommitted Master Note Facility, dated as of November 27, 2018, by and among Lincoln Electric Holdings, Inc., The Lincoln Electric Company, Lincoln Electric International Holding Company, J.W. Harris Co., Inc., Lincoln Global, Inc., Techalloy, Inc., Wayne Trail Technologies, Inc., Allianz Life Insurance Company of North America and/or one or more of its affiliates or related funds, as purchasers thereunder (filed as Exhibit 10.7 to Form 8-K of Lincoln Electric Holdings, Inc. filed on November 29, 2018, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
10.13*	Supplemental Executive Retirement Plan (Amended and Restated as of December 31, 2008) (filed as Exhibit 10.1 to Form 8-K of Lincoln Electric Holdings, Inc. filed on January 7, 2009, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
10.14*	Amendment No. 1 to Supplemental Executive Retirement Plan (As Amended and Restated as of December 31, 2008) (filed as Exhibit 10.6 to Form 10-K of Lincoln Electric Holdings, Inc. for the year ended December 31, 2016, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
10.15*	Amendment No. 2 to Supplemental Executive Retirement Plan (As Amended and Restated as of December 31, 2008) (filed as Exhibit 10.4 to Form 10-Q of Lincoln Electric Holdings, Inc. for the quarter ended September 30, 2020, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
10.16*	Deferred Compensation Plan for Certain Retention Agreements and Other Contractual Arrangements (Amended and Restated as of January 1, 2004) (filed as Exhibit 10(i) to Form 10-K of Lincoln Electric Holdings, Inc. for the year ended December 31, 2003, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
10.17*	Non-Employee Directors' Deferred Compensation Plan (Amended and Restated as of January 1, 2021) (filed as Exhibit 10.18 to Form 10-K of Lincoln Electric Holdings, Inc. for the year ended December 31, 2020, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
10.18*	2005 Deferred Compensation Plan for Executives (Amended and Restated as of January 1, 2021) (filed as Exhibit 10.21 to Form 10-K of Lincoln Electric Holdings, Inc. for the year ended December 31, 2020, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).

10.19*	The Lincoln Electric Company Restoration Plan (filed as Exhibit 4.3 to Form S-8 of Lincoln Electric Holdings, Inc. filed on December 19, 2016, SEC File No. 333-215168, and incorporated herein by reference and made a part hereof).
10.20*	Amendment No. 1 to The Lincoln Electric Company Restoration Plan (filed as Exhibit 10.3 to Form 10-Q of Lincoln Electric Holdings, Inc. for the quarter ended September 30, 2020, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
10.21*	The Lincoln Electric Company Employee Savings Plan As Amended and Restated Effective January 15, 2021 (filed as Exhibit 10.20 to Form 10 K of Lincoln Electric Holdings, Inc. for the year ended December 31, 2021, SEC File No. 0 1402, and incorporated herein by reference and made a part hereof).
10.22*	Amendment No. 1 to The Lincoln Electric Company Employee Savings Plan As Amended and Restated Effective January 15, 2021 (filed as Exhibit 10.21 to Form 10 K of Lincoln Electric Holdings, Inc. for the year ended December 31, 2021, SEC File No. 0 1402, and incorporated herein by reference and made a part hereof).
10.23*	Amendment No. 2 to The Lincoln Electric Company Employee Savings Plan As Amended and Restated Effective January 15, 2021 (filed as Exhibit 10.22 to Form 10 K of Lincoln Electric Holdings, Inc. for the year ended December 31, 2021, SEC File No. 0 1402, and incorporated herein by reference and made a part hereof).
10.24*	Form of Change in Control Severance Agreement (as entered into by the Company and its executive officers) (filed as Exhibit 10.1 to Form 8-K of Lincoln Electric Holdings, Inc. filed on November 21, 2017, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
10.25*	Amendment No. 1 to Form of Change in Control Severance Agreement (as entered into by the Company and its executive officers) (filed as Exhibit 10.5 to Form 10-Q of Lincoln Electric Holdings, Inc. for the quarter ended September 30, 2020, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
10.26*	2006 Equity and Performance Incentive Plan (Restated as of March 3, 2011) (filed as Annex A to Lincoln Electric Holdings, Inc. proxy statement filed on March 18, 2011, SEC File No. 0-1402 and incorporated herein by reference and made a part hereof).
10.27*	2015 Equity and Incentive Compensation Plan (filed as Appendix B to Lincoln Electric Holdings, Inc. definitive proxy statement filed on March 18, 2015, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
10.28*	2015 Stock Plan for Non-Employee Directors (filed as Appendix C to Lincoln Electric Holdings, Inc. definitive proxy statement filed on March 18, 2015, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
10.29*	Amendment No. 1 to the 2015 Stock Plan for Non-Employee Directors (filed as Appendix C to Lincoln Electric Holdings, Inc. proxy statement dated March 20, 2017, SEC File No. 0-1402, and incorporated by reference and made a part hereof).
10.30*	Form of Restricted Stock Unit Agreement for Non-Employee Directors (filed as Exhibit 10.30 to Form 10-K of Lincoln Electric Holdings, Inc. for the year ended December 31, 2021, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
10.31*	Form of Restricted Stock Unit Agreement for Non-Employee Directors (filed herewith).
10.32*	Form of Stock Option Agreement for Executive Officers (filed as Exhibit 10.4 to Form 10-Q of Lincoln Electric Holdings, Inc. for the quarter ended September 30, 2010, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
10.33*	Form of Stock Option Agreement for Executive Officers (filed as Exhibit 10.37 to Form 10-K of the Lincoln Electric Holdings, Inc. for the year ended December 31, 2010, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
10.34*	Form of Stock Option Agreement for Executive Officers (filed as Exhibit 10.27 to Form 10-K of Lincoln Electric Holdings, Inc. for the year ended December 31, 2017, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).

10.35*	Form of Stock Option Agreement for Executive Officers (filed as Exhibit 10.28 to Form 10-K of Lincoln Electric Holdings, Inc. for the year ended December 31, 2017, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
10.36*	Form of Stock Option Agreement for Executive Officers (filed as Exhibit 10.37 to Form 10-K of Lincoln Electric Holdings, Inc. for the year ended December 31, 2018, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
10.37*	Form of Stock Option Agreement for Executive Officers (filed as Exhibit 10.38 to Form 10-K of Lincoln Electric Holdings, Inc. for the year ended December 31, 2019, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
10.38*	Form of Stock Option Agreement for Executive Officers (filed as Exhibit 10.1 to Form 10-Q of Lincoln Electric Holdings, Inc. for the quarter ended March 31, 2021, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
10.39*	Form of Stock Option Agreement for Executive Officers (filed as Exhibit 10.1 to Form 10-Q of Lincoln Electric Holdings, Inc. for the quarter ended March 31, 2022, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
10.40*	Form of Restricted Stock Unit Agreement for Executive Officers (filed as Exhibit 10.33 to Form 10-K of Lincoln Electric Holdings, Inc. for the year ended December 31, 2013, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
10.41*	Form of Restricted Stock Unit Agreement for Executive Officers (filed as Exhibit 10.21 to Form 10-K of Lincoln Electric Holdings, Inc. for the year ended December 31, 2015, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
10.42*	Form of Restricted Stock Unit Agreement for Executive Officers (filed as Exhibit 10.41 to Form 10-K of Lincoln Electric Holdings, Inc. for the year ended December 31, 2018, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
10.43*	Form of Restricted Stock Unit Agreement for Executive Officers (filed as Exhibit 10.43 to Form 10-K of Lincoln Electric Holdings, Inc. for the year ended December 31, 2019, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
10.44*	Form of Restricted Stock Unit Agreement for Executive Officers (filed as Exhibit 10.2 to Form 10-Q of Lincoln Electric Holdings, Inc. for the quarter ended March 31, 2021, SEC File No.-0-1402, and incorporated herein by reference and made a part hereof).
10.45*	Form of Restricted Stock Unit Agreement for Executive Officers (filed as Exhibit 10.2 to Form 10-Q of Lincoln Electric Holdings, Inc. for the quarter ended March 31, 2022, SEC File No.-0-1402, and incorporated herein by reference and made a part hereof).
10.46*	Form of Performance Share Award Agreement for Executive Officers (filed as Exhibit 10.44 to Form 10-K of Lincoln Electric Holdings, Inc. for the year ended December 31, 2018, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
10.47*	Form of Performance Share Award Agreement for Executive Officers (filed as Exhibit 10.47 to Form 10-K of Lincoln Electric Holdings, Inc. for the year ended December 31, 2019, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
10.48*	Form of Performance Share Award Agreement for Executive Officers (filed as Exhibit 10.3 to Form 10-Q of Lincoln Electric Holdings, Inc., for the quarter ended March 31, 2021, SEC File No.-0-1402, and incorporated herein by reference and made a part hereof).
10.49*	Form of Performance Share Award Agreement for Executive Officers (filed as Exhibit 10.3 to Form 10-Q of Lincoln Electric Holdings, Inc., for the quarter ended March 31, 2022, SEC File No.-0-1402, and incorporated herein by reference and made a part hereof).
10.50*	Form of Officer Indemnification Agreement (effective February 23, 2012) (filed as Exhibit 10.1 to Form 8-K of Lincoln Electric Holdings, Inc. filed on February 29, 2012, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).
10.51*	Form of Director Indemnification Agreement (effective February 23, 2012) (filed as Exhibit 10.2 to Form 8-K of Lincoln Electric Holdings, Inc. filed on February 29, 2012, SEC File No. 0-1402, and incorporated herein by reference and made a part hereof).

21	Subsidiaries of the Registrant (filed herewith).
23	Consent of Independent Registered Public Accounting Firm (filed herewith).
24	Powers of Attorney (filed herewith).
31.1	Certification by the Chairman, President and Chief Executive Officer pursuant to Rule 13a-14(a) of the Securities Exchange Act of 1934 (filed herewith).
31.2	Certification by the Executive Vice President, Chief Financial Officer and Treasurer pursuant to Rule 13a-14(a) of the Securities Exchange Act of 1934 (filed herewith).
32.1	Certifications pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 (filed herewith).
101.IN	Inline XBRL Instance Document
101.SC	Inline XBRL Taxonomy Extension Schema Document
101.CA	Inline XBRL Taxonomy Extension Calculation Linkbase Document
101.LA	Inline XBRL Taxonomy Extension Label Linkbase Document
101.PR	Inline XBRL Taxonomy Extension Presentation Linkbase Document
101.DE	Inline XBRL Taxonomy Extension Definition Linkbase Document
104	Cover page Interactive Data File (embedded within the Inline XBRL document)

* Reflects management contract or other compensatory arrangement required to be filed as an exhibit pursuant to Item 15(b) of this report.

ITEM 16. FORM 10-K SUMMARY

None.

SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

LINCOLN ELECTRIC HOLDINGS, INC.

By: /s/ Gabriel Bruno

Gabriel Bruno
Executive Vice President, Chief Financial Officer and
Treasurer
(principal financial and accounting officer)
February 21, 2023

Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

/s/ Christopher L. Mapes

Christopher L. Mapes,
Chairman, President and Chief Executive Officer
(principal executive officer)
February 21, 2023

/s/ Gabriel Bruno

Gabriel Bruno,
Executive Vice President, Chief Financial Officer and
Treasurer
(principal financial and accounting officer)
February 21, 2023

/s/ Gabriel Bruno

Gabriel Bruno as
Attorney-in-Fact for
Brian D. Chambers, Director
February 21, 2023

/s/ Gabriel Bruno

Gabriel Bruno as
Attorney-in-Fact for
Curtis E. Espeland, Director
February 21, 2023

/s/ Gabriel Bruno

Gabriel Bruno as
Attorney-in-Fact for
Patrick P. Goris, Director
February 21, 2023

/s/ Gabriel Bruno

Gabriel Bruno as
Attorney-in-Fact for
Michael F. Hilton, Director
February 21, 2023

/s/ Gabriel Bruno

Gabriel Bruno as
Attorney-in-Fact for
Kathryn Jo Lincoln, Director
February 21, 2023

/s/ Gabriel Bruno

Gabriel Bruno as
Attorney-in-Fact for
Phillip J. Mason, Director
February 21, 2023

/s/ Gabriel Bruno

Gabriel Bruno as
Attorney-in-Fact for
Ben P. Patel, Director
February 21, 2023

/s/ Gabriel Bruno

Gabriel Bruno as
Attorney-in-Fact for
Hellene S. Runtagh, Director
February 21, 2023

/s/ Gabriel Bruno

Gabriel Bruno as
Attorney-in-Fact for
Kellye L. Walker, Director
February 21, 2023

Report of Independent Registered Public Accounting Firm

To the Shareholders and the Board of Directors of Lincoln Electric Holdings, Inc.

Opinion on the Financial Statements

We have audited the accompanying consolidated balance sheets of Lincoln Electric Holdings, Inc. (the Company) as of December 31, 2022 and 2021, the related consolidated statements of income, comprehensive income, equity and cash flows for each of the three years in the period ended December 31, 2022, and the related notes and financial statement schedule listed in the Index at Item 15(a)(2) (collectively referred to as the “consolidated financial statements”). In our opinion, the consolidated financial statements present fairly, in all material respects, the financial position of the Company at December 31, 2022 and 2021, and the results of its operations and its cash flows for each of the three years in the period ended December 31, 2022, in conformity with U.S. generally accepted accounting principles.

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) (PCAOB), the Company’s internal control over financial reporting as of December 31, 2022, based on criteria established in Internal Control-Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission (2013 framework) and our report dated February 21, 2023 expressed an unqualified opinion thereon.

Basis for Opinion

These financial statements are the responsibility of the Company’s management. Our responsibility is to express an opinion on the Company’s financial statements based on our audits. We are a public accounting firm registered with the PCAOB and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud. Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. We believe that our audits provide a reasonable basis for our opinion.

Critical Audit Matter

The critical audit matter communicated below is a matter arising from the current period audit of the financial statements that was communicated or required to be communicated to the audit committee and that: (1) relates to accounts or disclosures that are material to the financial statements and (2) involved our especially challenging, subjective or complex judgments. The communication of the critical audit matter does not alter in any way our opinion on the consolidated financial statements, taken as a whole, and we are not, by communicating the critical audit matter below, providing a separate opinion on the critical audit matter or on the account or disclosures to which it relates.

Goodwill impairment evaluation – Reporting Unit within International Welding Segment

<i>Description of the Matter</i>	As disclosed in Note 5 to the consolidated financial statements, at December 31, 2022, the Company's total goodwill was \$665.3 million, of that, \$129.9 million relates to the International Welding segment. As disclosed in Note 1 to the consolidated financial statements, goodwill is tested for impairment in the fourth quarter using the same date each year or more frequently if changes in circumstances or the occurrence of events indicate potential impairment. The Company first assesses qualitative factors to determine whether it is more-likely-than-not that the fair value of a reporting unit is less than its carrying amount and whether it is necessary to perform a quantitative goodwill impairment test. The Company may perform a quantitative test in instances where the more-likely-than-not threshold has not been met, including when general macroeconomic conditions or changes to the reporting unit warrant a refresh of the baseline used in a qualitative test. The Company performed a quantitative assessment for a reporting unit within the International Welding segment and determined that the fair value of the reporting unit was in excess of the carrying value. Auditing the annual goodwill impairment test for the aforementioned reporting unit under the quantitative assessment was complex and judgmental due to the significant estimation required in determining the fair value of the reporting unit. In particular, the fair value estimate using the income approach was sensitive to significant assumptions such as the weighted average cost of capital and the terminal period revenue growth rate. Elements of these significant assumptions are forward-looking and could be affected by future economic conditions.
<i>How We Addressed the Matter in Our Audit</i>	We obtained an understanding, evaluated the design and tested the operating effectiveness of controls over the Company's goodwill impairment evaluation, including controls over the significant assumptions mentioned above. To test the estimated fair value used in the Company's annual goodwill impairment test for the reporting unit within the International Welding segment, our audit procedures included, among others, assessing the valuation methodology, testing the significant assumptions discussed above, and testing the completeness and accuracy of the underlying data used by the Company in its analysis. As it pertains to the terminal period revenue growth rate, we compared the significant assumptions used by management to third party industry data and economic trends, changes to the Company's business model, customer base or product mix, as applicable. We involved valuation specialists to assist with our evaluation of the methodology applied and the reasonableness of certain assumptions selected by management, including, the weighted average cost of capital. Specifically, we evaluated the components of the weighted average cost of capital assumptions used by performing an independent corroborative analysis with involvement of valuation specialists. We performed sensitivity analyses of assumptions to evaluate the changes in the fair value of the reporting unit that would result from changes in the significant assumptions.

/s/ Ernst & Young LLP

We have served as the Company's auditor since at least 1923, but we are unable to determine the specific year.

Cleveland, OH
February 21, 2023

Report of Independent Registered Public Accounting Firm

To the Shareholders and the Board of Directors of Lincoln Electric Holdings, Inc.

Opinion on Internal Control Over Financial Reporting

We have audited Lincoln Electric Holdings, Inc.'s internal control over financial reporting as of December 31, 2022, based on criteria established in Internal Control—Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission (2013 framework) (the COSO criteria). In our opinion, Lincoln Electric Holdings, Inc. (the Company) maintained, in all material respects, effective internal control over financial reporting as of December 31, 2022, based on the COSO criteria.

As indicated in the accompanying Management's Report on Internal Control Over Financial Reporting, management's assessment of and conclusion on the effectiveness of internal control over financial reporting did not include the internal controls of Fori Automation, LLC (Fori), which is included in the 2022 consolidated financial statements of the Company and constituted 14.6% of total assets as of December 31, 2022. Our audit of internal control over financial reporting of the Company also did not include an evaluation of the internal control over financial reporting of Fori.

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) (PCAOB), the 2022 consolidated financial statements of the Company and our report dated February 21, 2023 expressed an unqualified opinion thereon.

Basis for Opinion

The Company's management is responsible for maintaining effective internal control over financial reporting and for its assessment of the effectiveness of internal control over financial reporting included in the accompanying Management's Report on Internal Control Over Financial Reporting. Our responsibility is to express an opinion on the Company's internal control over financial reporting based on our audit. We are a public accounting firm registered with the PCAOB and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audit in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether effective internal control over financial reporting was maintained in all material respects.

Our audit included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, testing and evaluating the design and operating effectiveness of internal control based on the assessed risk, and performing such other procedures as we considered necessary in the circumstances. We believe that our audit provides a reasonable basis for our opinion.

Definition and Limitations of Internal Control Over Financial Reporting

A company's internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company's internal control over financial reporting includes those policies and procedures that (1) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (2) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (3) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

/s/ Ernst & Young LLP

Cleveland, Ohio
February 21, 2023

LINCOLN ELECTRIC HOLDINGS, INC.
CONSOLIDATED STATEMENTS OF INCOME
(In thousands, except per share amounts)

	Year Ended December 31,		
	2022	2021	2020
Net sales (Note 2)	\$ 3,761,211	\$ 3,234,180	\$ 2,655,400
Cost of goods sold	2,480,451	2,165,575	1,784,059
Gross profit	1,280,760	1,068,605	871,341
Selling, general & administrative expenses	656,636	597,109	543,802
Rationalization and asset impairment charges (Note 7)	11,788	9,827	45,468
Operating income	612,336	461,669	282,071
Interest expense, net	29,500	22,214	21,973
Other income (expense) (Note 12)	9,991	(114,457)	3,942
Income before income taxes	592,827	324,998	264,040
Income taxes (Note 13)	120,603	48,418	57,896
Net income including non-controlling interests	472,224	276,580	206,144
Non-controlling interests in subsidiaries' income	—	114	29
Net income	<u>\$ 472,224</u>	<u>\$ 276,466</u>	<u>\$ 206,115</u>
Basic earnings per share (Note 3)	<u>\$ 8.14</u>	<u>\$ 4.66</u>	<u>\$ 3.46</u>
Diluted earnings per share (Note 3)	<u>\$ 8.04</u>	<u>\$ 4.60</u>	<u>\$ 3.42</u>
Cash dividends declared per share	<u>\$ 2.32</u>	<u>\$ 2.09</u>	<u>\$ 1.98</u>

See notes to these consolidated financial statements.

LINCOLN ELECTRIC HOLDINGS, INC.

CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME

(In thousands)

	Year Ended December 31,		
	2022	2021	2020
Net income including non-controlling interests	\$ 472,224	\$ 276,580	\$ 206,144
Other comprehensive income (loss), net of tax:			
Unrealized gain on derivatives designated and qualifying as cash flow hedges, net of tax of \$3,099 in 2022; \$1,523 in 2021; \$605 in 2020	5,815	5,607	861
Defined pension plan activity, net of tax of \$964 in 2022; \$33,214 in 2021; \$(10,622) in 2020	11,450	88,539	(31,224)
Currency translation adjustment	(35,084)	(49,745)	4,068
Other comprehensive (loss) income:	(17,819)	44,401	(26,295)
Comprehensive income	454,405	320,981	179,849
Comprehensive income (loss) attributable to non-controlling interests	94	(289)	74
Comprehensive income attributable to shareholders	<u>\$ 454,311</u>	<u>\$ 321,270</u>	<u>\$ 179,775</u>

See notes to these consolidated financial statements.

LINCOLN ELECTRIC HOLDINGS, INC.

CONSOLIDATED BALANCE SHEETS

(Dollars in thousands)

	December 31,	
	2022	2021
ASSETS		
Current Assets		
Cash and cash equivalents	\$ 197,150	\$ 192,958
Accounts receivable (less allowance for doubtful accounts of \$12,556 in 2022; \$11,105 in 2021)	541,529	429,074
Inventories (Note 16)	665,451	539,919
Other current assets	153,660	127,642
Total Current Assets	1,557,790	1,289,593
Property, plant and equipment, net (Note 1)	544,871	511,744
Intangibles, net (Note 5)	202,706	149,393
Goodwill (Note 5)	665,257	430,162
Deferred income taxes (Note 13)	22,811	18,318
Other assets	187,111	193,097
TOTAL ASSETS	\$ 3,180,546	\$ 2,592,307
LIABILITIES AND EQUITY		
Current Liabilities		
Amounts due banks (Note 9)	\$ 82,444	\$ 51,964
Trade accounts payable	352,079	330,230
Accrued employee compensation and benefits	109,369	108,562
Dividends payable	36,879	32,921
Other current liabilities	261,087	231,462
Current portion of long-term debt (Note 9)	11,039	766
Total Current Liabilities	852,897	755,905
Long-term debt, less current portion (Note 9)	1,110,396	717,089
Deferred income taxes (Note 13)	17,022	56,718
Other liabilities	166,190	198,686
Total Liabilities	2,146,505	1,728,398
Shareholders' Equity		
Preferred shares, without par value - at stated capital amount; authorized - 5,000,000 shares; issued and outstanding - none	—	—
Common shares, without par value - at stated capital amount; authorized - 240,000,000 shares; issued - 98,581,434 shares in 2022 and 2021; outstanding - 57,623,539 shares in 2022 and 58,786,776 shares in 2021	9,858	9,858
Additional paid-in capital	481,857	451,268
Retained earnings	3,306,500	2,970,303
Accumulated other comprehensive loss (Note 8)	(275,299)	(257,386)
Treasury shares, at cost - 40,957,895 shares in 2022 and 39,794,658 shares in 2021	(2,488,776)	(2,309,941)
Total Shareholders' Equity	1,034,140	864,102
Non-controlling interests	(99)	(193)
Total Equity	1,034,041	863,909
TOTAL LIABILITIES AND TOTAL EQUITY	\$ 3,180,546	\$ 2,592,307

See notes to these consolidated financial statements.

LINCOLN ELECTRIC HOLDINGS, INC.

CONSOLIDATED STATEMENTS OF EQUITY

(In thousands, except per share amounts)

	Common Shares Outstanding	Common Shares	Additional Paid-In Capital	Retained Earnings	Accumulated Other Comprehensive Income (Loss)	Treasury Shares	Non- Controlling Interests	Total
Balance at December 31, 2019	60,592	\$ 9,858	\$ 389,446	\$ 2,736,481	\$ (275,850)	\$ (2,041,763)	\$ 905	\$ 819,077
Net income				206,115			29	206,144
Unrecognized amounts from defined benefit pension plans, net of tax					(31,224)			(31,224)
Unrealized gain on derivatives designated and qualifying as cash flow hedges, net of tax					861			861
Currency translation adjustment					4,023		45	4,068
Cash dividends declared – \$1.98 per share				(118,423)				(118,423)
Stock-based compensation activity	457		27,076			5,504		32,580
Purchase of shares for treasury	(1,408)					(113,455)		(113,455)
Other			(6,564)	(2,814)				(9,378)
Balance at December 31, 2020	59,641	9,858	409,958	2,821,359	(302,190)	(2,149,714)	979	790,250
Net income				276,466			114	276,580
Unrecognized amounts from defined benefit pension plans, net of tax					88,539			88,539
Unrealized gain on derivatives designated and qualifying as cash flow hedges, net of tax					5,607			5,607
Currency translation adjustment					(49,342)		(403)	(49,745)
Cash dividends declared – \$2.09 per share				(124,669)				(124,669)
Stock-based compensation activity	393		38,720			4,299		43,019
Purchase of shares for treasury	(1,247)					(164,526)		(164,526)
Other			2,590	(2,853)			(883)	(1,146)
Balance at December 31, 2021	58,787	9,858	451,268	2,970,303	(257,386)	(2,309,941)	(193)	863,909
Net income				472,224				472,224
Unrecognized amounts from defined benefit pension plans, net of tax					11,450			11,450
Unrealized gain on derivatives designated and qualifying as cash flow hedges, net of tax					5,815			5,815
Currency translation adjustment					(35,178)		94	(35,084)
Cash dividends declared – \$2.32 per share				(134,931)				(134,931)
Stock-based compensation activity	211		29,194			2,458		31,652
Purchase of shares for treasury	(1,374)					(181,293)		(181,293)
Other			1,395	(1,096)				299
Balance at December 31, 2022	57,624	\$ 9,858	\$ 481,857	\$ 3,306,500	\$ (275,299)	\$ (2,488,776)	\$ (99)	\$ 1,034,041

See notes to these consolidated financial statements.

LINCOLN ELECTRIC HOLDINGS, INC.

CONSOLIDATED STATEMENTS OF CASH FLOWS
(In thousands)

	Year Ended December 31,		
	2022	2021	2020
CASH FLOWS FROM OPERATING ACTIVITIES			
Net income	\$ 472,224	\$ 276,466	\$ 206,115
Non-controlling interests in subsidiaries' income (loss)	—	114	29
Net income including non-controlling interests	472,224	276,580	206,144
Adjustments to reconcile Net income including non-controlling interests to Net cash provided by operating activities:			
Rationalization and asset impairment net charges (gains) (Note 7)	8,100	(1,054)	21,835
Depreciation and amortization	78,059	81,146	80,492
Equity earnings in affiliates, net	80	(499)	(408)
Deferred income taxes (Note 13)	(48,207)	(28,556)	(2,948)
Stock-based compensation	25,267	23,787	15,388
Pension settlement charges	—	126,502	8,119
Other, net	11,902	(16,975)	(18,115)
Changes in operating assets and liabilities, net of effects from acquisitions:			
(Increase) decrease in accounts receivable	(65,010)	(65,844)	3,582
(Increase) decrease in inventories	(81,188)	(154,347)	22,751
(Increase) decrease in other current assets	(18,297)	(23,913)	14,711
Increase (decrease) in trade accounts payable	16,852	82,394	(17,919)
(Decrease) increase in other current liabilities	(8,199)	68,292	22,310
Net change in other assets and liabilities	(8,197)	(2,450)	(4,580)
NET CASH PROVIDED BY OPERATING ACTIVITIES	383,386	365,063	351,362
CASH FLOWS FROM INVESTING ACTIVITIES			
Capital expenditures	(71,883)	(62,531)	(59,201)
Acquisition of businesses, net of cash acquired (Note 4)	(436,298)	(156,106)	—
Proceeds from sale of property, plant and equipment	3,331	6,781	7,667
Other investing activities	159	6,500	2,321
NET CASH USED BY INVESTING ACTIVITIES	(504,691)	(205,356)	(49,213)
CASH FLOWS FROM FINANCING ACTIVITIES			
Proceeds from (payments on) short-term borrowings	34,351	46,476	(31,760)
Proceeds from (payments on) long-term borrowings	405,444	(508)	—
Proceeds from exercise of stock options	6,385	19,232	17,192
Purchase of shares for treasury	(181,293)	(164,526)	(113,455)
Cash dividends paid to shareholders	(130,724)	(121,851)	(118,118)
Other financing activities	(438)	(763)	—
NET CASH PROVIDED BY (USED BY) FINANCING ACTIVITIES	133,725	(221,940)	(246,141)
Effect of exchange rate changes on Cash and cash equivalents	(8,228)	(2,088)	1,708
INCREASE (DECREASE) IN CASH AND CASH EQUIVALENTS	4,192	(64,321)	57,716
Cash and cash equivalents at beginning of period	192,958	257,279	199,563
CASH AND CASH EQUIVALENTS AT END OF PERIOD	\$ 197,150	\$ 192,958	\$ 257,279

See notes to these consolidated financial statements.

LINCOLN ELECTRIC HOLDINGS, INC.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
(Dollars in thousands, except share and per share amounts)

NOTE 1 – SIGNIFICANT ACCOUNTING POLICIES

Principles of Consolidation

The consolidated financial statements include the accounts of Lincoln Electric Holdings, Inc. and its wholly-owned and majority-owned subsidiaries for which it has a controlling interest (the "Company") after elimination of all inter-company accounts, transactions and profits.

General Information

The Company is the world leader in the design, development and manufacture of arc welding products, automated joining, assembly and cutting systems, plasma and oxy-fuel cutting equipment. The Company also has a leading global position in brazing and soldering alloys.

The Company's products include arc welding, brazing and soldering filler metals (consumables), arc welding equipment, plasma and oxyfuel cutting systems, wire feeding systems, fume control equipment, welding accessories, specialty gas regulators, and education solutions; as well as a comprehensive portfolio of automated solutions for joining, cutting, material handling, module assembly, and end of line testing.

In March 2022, in response to Russia's invasion of Ukraine, the Company announced it was ceasing operations in Russia and implementing plans to support its Russian employees. Although the Company's Net sales and Total assets in Russia are less than 1% of consolidated Net sales and Total assets as of December 31, 2022, the Russia-Ukraine conflict and sanctions imposed globally may result in economic and supply chain disruptions, the ultimate financial impact of which cannot be reasonably estimated at this time. The Company continues to monitor the Russia-Ukraine conflict and its potential impacts.

Translation of Foreign Currencies

Asset and liability accounts are translated into U.S. dollars using exchange rates in effect at the dates of the Consolidated Balance Sheets; revenue and expense accounts are translated at average monthly exchange rates. Translation adjustments are reflected as a component of Total equity. For subsidiaries operating in highly inflationary economies, both historical and current exchange rates are used in translating balance sheet accounts and translation adjustments are included in Net income. An economy is considered highly inflationary under GAAP if the cumulative inflation rate for a three-year period meets or exceeds 100 percent. The Turkish economy exceeded the three-year cumulative inflation rate of 100 percent during the second quarter of 2022. As a result, the financial statements of the Company's Turkish operation are reported under highly inflationary accounting rules as of April 1, 2022. Under highly inflationary accounting, the financial statements of the Company's Turkish operation have been remeasured into the Company's reporting currency (U.S. dollar). Beginning April 1, 2022, the exchange gains and losses from the remeasurement of monetary assets and liabilities are reflected in current earnings, rather than "Accumulated other comprehensive loss" on the balance sheet. For the year ended December 31, 2022, this impact was not significant to the Company's results.

The translation of assets and liabilities originally denominated in foreign currencies into U.S. dollars is for consolidation purposes, and does not necessarily indicate that the Company could realize or settle the reported value of those assets and liabilities in U.S. dollars. Additionally, such a translation does not necessarily indicate that the Company could return or distribute the reported U.S. dollar value of the net equity of its foreign operations to shareholders.

Foreign currency transaction gains and losses are included in Selling, general & administrative expenses and were gains of \$3,633, \$1,332 and \$4,229 in 2022, 2021 and 2020, respectively.

Cash Equivalents

The Company considers all highly liquid investments with a maturity of three months or less when purchased to be cash equivalents.

Inventories

Inventories are valued at the lower of cost or net realizable value. Fixed manufacturing overhead costs are allocated to inventory based on normal production capacity and abnormal manufacturing costs are recognized as period costs. Cost for a substantial portion of U.S. inventories is determined on a last-in, first-out (“LIFO”) basis. At December 31, 2022 and 2021, approximately 38% and 36% of total inventories, respectively, were valued using the LIFO method. Cost of other inventories is determined by costing methods that approximate a first-in, first-out (“FIFO”) basis. Refer to Note 16 to the consolidated financial statements for additional details.

Reserves are maintained for estimated obsolescence or excess inventory equal to the difference between the cost of inventory and the estimated net realizable value based upon assumptions about future demand and market conditions. The reserve for excess and obsolete inventory was \$30,164 and \$23,087 at December 31, 2022 and 2021, respectively.

Long-lived Assets*Property, Plant and Equipment*

Property, plant and equipment are stated at cost and include improvements which significantly increase capacities or extend the useful lives of existing plant and equipment. Depreciation and amortization are computed using a straight-line method over useful lives ranging from 3 years to 20 years for machinery, tools and equipment, and up to 40 years for buildings. Net gains or losses related to asset dispositions are recognized in earnings in the period in which dispositions occur.

Routine maintenance, repairs and replacements are expensed as incurred. The Company capitalizes interest costs associated with long-term construction in progress.

Property, plant and equipment, net in the Consolidated Balance Sheet is comprised of the following components:

	December 31,	
	2022	2021
Land	\$ 71,446	\$ 67,897
Buildings	447,098	426,165
Machinery and equipment	916,870	885,718
	1,435,414	1,379,780
Less accumulated depreciation	890,543	868,036
Total	<u>\$ 544,871</u>	<u>\$ 511,744</u>

Leases

The Company determines if an agreement is a lease at inception. The Company records a right-of-use asset on its Consolidated Balance Sheets to represent its right to use an underlying asset for the lease term. The Company records a lease liability on its Consolidated Balance Sheets to represent its obligation to make lease payments arising from the lease. Operating lease right-of-use assets and liabilities are recognized at the lease commencement date based on the present value of lease payments over the lease term. As most of the Company’s operating leases do not provide an implicit rate, the Company uses its incremental borrowing rate based on information available at commencement date to present value the lease payments.

The Company has operating leases for sales offices, manufacturing facilities, warehouses and distribution centers, transportation equipment, office equipment and information technology equipment. Some of these leases are noncancelable. Variable or short-term lease costs contained within the Company's operating leases are not material. Most leases include one or more options to renew, which can extend the lease term from 1 to 11 years or more. The exercise of lease renewal options is at the Company's sole discretion. Certain leases also include options to purchase the leased property. Leases with an initial term of 12 months or less are not recorded on the Company's Consolidated Balance sheets. The Company recognizes lease expense for these leases on a straight-line basis over the lease term.

The depreciable life of assets and leasehold improvements are limited by the expected lease term, unless there is a transfer of title or purchase option reasonably certain of exercise. The Company's lease agreements do not contain any material residual value guarantees or material restrictive covenants.

The Company periodically evaluates whether current facts or circumstances indicate that the carrying value of its depreciable long-lived assets, including right-of-use assets and finite-lived intangible assets, to be held and used may not be recoverable. If such circumstances are determined to exist, an estimate of undiscounted future cash flows produced by the long-lived asset, or the appropriate grouping of assets, is compared to the carrying value to determine whether impairment exists. If an asset is determined to be impaired, a loss is recognized to the extent that carrying value exceeds fair value. Fair value is measured based on quoted market prices in active markets, if available. If quoted market prices are not available, the estimate of fair value is based on various valuation techniques, including the discounted value of estimated future cash flows. Refer to Notes 5, 7 and 17 to the consolidated financial statements for additional details.

Goodwill and Intangibles

Goodwill is recorded when the cost of acquired businesses exceeds the fair value of the identifiable net assets acquired. Intangible assets other than goodwill are recorded at fair value at the time acquired or at cost, if applicable. Intangible assets that do not have indefinite lives are amortized in line with the pattern in which the economic benefits of the intangible asset are consumed. If the pattern of economic benefit cannot be reliably determined, the intangible assets are amortized on a straight-line basis over the shorter of the legal or estimated life. These types of assets are assessed for impairment in a manner consistent with long-lived assets described above. Goodwill and indefinite-lived intangible assets are not amortized, but are tested for impairment in the fourth quarter using the same date each year or more frequently if changes in circumstances or the occurrence of events indicate potential impairment.

In performing the annual impairment test, the fair value of each indefinite-lived intangible asset is compared to its carrying value and an impairment charge is recorded if the carrying value exceeds the fair value. For goodwill, the Company first assesses qualitative factors to determine whether it is more-likely-than-not that the fair value of a reporting unit is less than its carrying amount, and whether it is necessary to perform the quantitative goodwill impairment test. The quantitative test is only required if the Company concludes that it is more-likely-than-not that a reporting unit's fair value is less than its carrying amount. The Company may also perform a quantitative test in instances where the more-likely-than-not threshold has not been met, including when general macroeconomic conditions or changes to the reporting unit warrant a refresh of the baseline used in a qualitative test. For quantitative testing, the Company compares the fair value of each reporting unit with its carrying amount. If the carrying amount exceeds the fair value, an impairment charge is recognized for the amount by which the carrying amount exceeds the reporting unit's fair value, not to exceed the total amount of goodwill allocated to that reporting unit.

Fair values are determined using established business valuation techniques and models developed by the Company, estimates of market participant assumptions of future cash flows, future growth rates and discount rates to value estimated cash flows. Changes in economic and operating conditions, actual growth below the assumed market participant assumptions or an increase in the discount rate could result in an impairment charge in a future period. Refer to Note 5 to the consolidated financial statements for additional details.

Fair Value Measurements

Financial assets and liabilities, such as the Company's defined benefit pension plan assets and derivative contracts, are valued at fair value using the market and income valuation approaches. Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date (exit price). The following hierarchy is used to classify the inputs that measure fair value:

- Level 1 Inputs to the valuation methodology are unadjusted quoted prices for identical assets or liabilities in active markets.
- Level 2 Inputs to the valuation methodology include:
- Quoted prices for similar assets or liabilities in active markets;
 - Quoted prices for identical or similar assets or liabilities in inactive markets;
 - Inputs other than quoted prices that are observable for the asset or liability; and
 - Inputs that are derived principally from or corroborated by observable market data by correlation or other means.
- If the asset or liability has a specific (contractual) term, the Level 2 input must be observable for substantially the full term of the asset or liability.
- Level 3 Inputs to the valuation methodology are unobservable and significant to the fair value measurement.

Refer to Notes 11 and 15 to the consolidated financial statements for additional details.

Revenue Recognition

Revenue is recognized when obligations under the terms of a contract are satisfied and control is transferred to the customer. Revenue is measured as the amount of consideration the Company expects to be entitled to in exchange for goods or services. Substantially all of the Company's sales arrangements are short-term in nature involving a single performance obligation. The Company recognizes revenue when the performance obligation is satisfied and control of the product is transferred to the customer generally based upon shipping terms. In addition, certain customized automation performance obligations are accounted for over time. Under this method, revenue recognition is primarily based upon the ratio of costs incurred to date compared with estimated total costs to complete. The cumulative impact of revisions to total estimated costs is reflected in the period of the change, including anticipated losses. Less than 10% of the Company's Net sales are recognized over time.

The Company recognizes any discounts, credits, returns, rebates and incentive programs based on reasonable estimates as a reduction of sales to arrive at Net sales at the same time the related revenue is recorded. Taxes collected by the Company, including sales tax and value added tax, are excluded from Net sales. The Company recognizes freight billed as a component of Net sales and shipping costs as a component of Cost of goods sold when control transfers to the customer. Sales commissions are expensed when incurred because the amortization period is generally one year or less. These costs are recorded within Selling, general and administrative expenses in the Company's Consolidated Statements of Income.

The Company's payment terms vary by the type and location of the customer and the products or services offered. The Company does not offer any payment terms that would meet the requirements for consideration as a financing component under Topic 606.

Refer to Note 2 to the consolidated financial statements for additional details.

Distribution Costs

Distribution costs, including warehousing and freight related to product shipments, are included in Cost of goods sold.

Stock-Based Compensation

Expense is recognized for all awards of stock-based compensation by allocating the aggregate grant date fair value over the vesting period. No expense is recognized for any stock options, restricted or deferred shares or restricted stock units ultimately forfeited because the recipients fail to meet vesting requirements.

Common stock issuable upon the exercise of employee stock options is excluded from the calculation of diluted earnings per share when the calculation of option equivalent shares is anti-dilutive. Refer to Note 10 to the consolidated financial statements for additional details.

Financial Instruments

The Company uses derivative instruments to manage exposures to interest rates, commodity prices and currency exchange rate fluctuations on certain purchase and sales transactions, balance sheet and net investment exposures. Derivative contracts to hedge currency and commodity exposures are generally written on a short-term basis, but may cover exposures for up to 3 years while interest rate contracts may cover longer periods consistent with the terms of the underlying debt. The Company does not enter into derivatives for trading or speculative purposes.

All derivatives are recognized at fair value on the Company's Consolidated Balance Sheets. The accounting for gains and losses resulting from changes in fair value depends on the use of the derivative and whether it is designated and qualifies for hedge accounting. The Company formally documents the relationship of the hedge with the hedged item as well as the risk-management strategy for all designated hedges. Both at inception and on an ongoing basis, the hedging instrument is assessed as to its effectiveness, when applicable. If and when a derivative is determined not to be highly effective as a hedge, the underlying hedged transaction is no longer likely to occur, or the derivative is terminated, hedge accounting is discontinued. The cash flows from settled derivative contracts are recognized in Net cash provided by operating activities in the Company's Consolidated Statements of Cash Flows.

The Company is subject to the credit risk of the counterparties to derivative instruments. Counterparties include a number of major banks and financial institutions. The Company manages individual counterparty exposure by monitoring the credit rating of the counterparty and the size of financial commitments and exposures between the Company and the counterparty.

Cash flow hedges

Certain foreign currency forward contracts and commodity contracts are qualified and designated as cash flow hedges. The effective portion of the fair value unrealized gain or loss on cash flow hedges are reported as a component of Accumulated other comprehensive income ("AOCI") with offsetting amounts recorded as Other current assets, Other assets, Other current liabilities or Other liabilities depending on the position and the duration of the contract. At settlement, the realized gain or loss is recorded in Cost of goods sold or Net sales for hedges of purchases and sales, respectively, in the same period or periods during which the hedged transaction affects earnings. The ineffective portion on cash flow hedges is recognized in current earnings.

In anticipation of future debt issuance associated with the Notes referenced in Note 9, the Company has interest rate forward starting swap agreements to hedge the variability of future changes in interest rates. The forward starting swap agreements were qualified and designated as a cash flow hedge. The changes in fair value are recorded as part of AOCI, and upon completion of debt issuance and termination of the swaps, are amortized to interest expense over the life of the underlying debt.

Fair value hedges

Certain interest rate swap agreements were qualified and designated as fair value hedges. The interest rate swap agreements designated as fair value hedges meet the shortcut method requirements under accounting standards for derivatives and hedging. Accordingly, changes in the fair value of these agreements are considered to exactly offset

changes in the fair value of the underlying long-term debt. Changes in fair value are recorded in Other assets or Other liabilities with offsetting amounts recorded as a fair value adjustment to the carrying value of Long-term debt, less current portion.

Net investment hedges

For derivative instruments that qualify as a net investment hedge, the effective portion of the fair value gains or losses are recognized in AOCI with offsetting amounts recorded as Other current assets, Other assets, Other current liabilities or Other liabilities depending on the position and the duration of the contract. The gains or losses are subsequently reclassified to Selling, general and administrative expenses, as the underlying hedged investment is liquidated.

Derivatives not designated as hedging instruments

The Company has certain foreign exchange forward contracts which are not designated as hedges. These derivatives are held as hedges of certain balance sheet exposures. The gains or losses on these contracts are recognized in Selling, general and administrative expenses, offsetting the losses or gains on the exposures being hedged.

Refer to Note 14 to the consolidated financial statements for additional details.

Research and Development

Research and development costs are charged to Selling, general & administrative expenses as incurred and totaled \$63,207, \$55,969 and \$51,414 in 2022, 2021 and 2020, respectively.

Bonus

The Company's discretionary employee bonus programs, which for certain U.S.-based employees are net of medical costs, are included in Selling, general & administrative expenses. Bonus costs were \$159,281, \$120,686 and \$87,407 in 2022, 2021 and 2020, respectively.

Income Taxes

Deferred income taxes are recognized at currently enacted tax rates for temporary differences between the GAAP and income tax basis of assets and liabilities and operating loss and tax credit carry-forwards. In assessing the realizability of deferred tax assets, the Company assesses whether it is more-likely-than-not that a portion or all of the deferred tax assets will not be realized.

The Company maintains liabilities for unrecognized tax benefits related to uncertain income tax positions in various jurisdictions. The Company uses judgment in determining whether the technical merits of tax positions are more-likely-than-not to be sustained. Judgment is also used in measuring the related amount of tax benefit that qualifies for recognition, including the interpretation of applicable tax law, regulations and tax rulings.

The Company elects to treat any Global Intangible Low Taxed Income inclusion as a period expense in the year incurred.

Refer to Note 13 to the consolidated financial statements for additional details.

Acquisitions

Upon acquisition of a business, the Company uses the income, market or cost approach (or a combination thereof) for the valuation as appropriate. The valuation inputs in these models and analyses are based on market participant

assumptions. Market participants are considered to be buyers and sellers unrelated to the Company in the principal or most advantageous market for the asset or liability.

Fair value estimates are based on a series of judgments about future events and uncertainties and rely on estimates and assumptions. Management values property, plant and equipment using the cost approach supported where available by observable market data, which includes consideration of obsolescence. Management values acquired intangible assets using the relief from royalty method or excess earnings method, forms of the income approach supported by observable market data for peer companies. The significant assumptions used to estimate the value of the acquired intangible assets include discount rates and certain assumptions that form the basis of future cash flows (such as revenue growth rates, customer attrition rates, and royalty rates). Acquired inventories are marked to fair value. For certain items, the pre-acquisition carrying value is determined to be a reasonable approximation of fair value based on information available to the Company. Refer to Note 4 to the consolidated financial statements for additional details.

Estimates

The preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions in certain circumstances that affect the amounts reported in the accompanying consolidated financial statements and notes. Actual results could differ from these estimates.

New Accounting Pronouncements

The following section provides a description of new Accounting Standards Updates ("ASU") issued by the Financial Accounting Standards Board ("FASB") that are applicable to the Company.

The following ASUs were adopted as of January 1, 2022 and did not have a significant financial impact on the Company's consolidated financial statements unless otherwise described within the table below:

Standard	Description
ASU No. 2022-06, <i>Reference Rate Reform (Topic 848)</i> , issued December 2022.	The U.S. dollar LIBOR rates will no longer be published and regulators have identified alternative reference rates that are more observable or transparent-based and less susceptible to manipulation. This ASU provides optional relief in accounting for the impact of reference rate reform by deferring the sunset date of Topic 848 from December 31, 2022 to December 31, 2024.

The Company is currently evaluating the impact on its financial statements of the following ASUs:

Standard	Description
ASU No. 2022-04, <i>Liabilities-Supplier Finance Programs (Subtopic 405-50)</i> , issued September 2022.	Requires disclosure about a company's supplier finance program, including key terms, amount outstanding, assets pledged as applicable, presentation on the balance sheet and a period-over-period balance roll forward. Except for the roll forward requirement, the ASU is effective for interim and annual periods beginning January 1, 2023 and should be applied retrospectively. The roll forward requirement is effective January 1, 2024 and should be applied prospectively. Early adoption of the roll forward requirement is permitted.

NOTE 2 — REVENUE RECOGNITION

The following table presents the Company's Net sales disaggregated by product line:

	Year Ended December 31,		
	2022	2021	2020
Consumables	\$ 2,183,019	\$ 1,856,880	\$ 1,509,509
Equipment	1,578,192	1,377,300	1,145,891
Net sales	<u>\$ 3,761,211</u>	<u>\$ 3,234,180</u>	<u>\$ 2,655,400</u>

Consumable sales consist of brazing and soldering filler metals. Equipment sales consist of arc welding, welding accessories, arc welding equipment, wire feeding systems, fume control equipment, plasma and oxy-fuel cutting systems, specialty gas regulators, and education solutions; as well as a comprehensive portfolio of automated solutions for joining, cutting, material handling, module assembly, and end of line testing. Consumable and Equipment products are sold within each of the Company's operating segments.

Within the Equipment product line, there are certain customer contracts related to automation products that may include multiple performance obligations. For such arrangements, the Company allocates revenue to each performance obligation based on its relative standalone selling price. The Company generally determines the standalone selling price based on the prices charged to customers or using expected cost plus margin.

At December 31, 2022, the Company recorded \$78,756 related to advance customer payments and \$34,771 related to billings in excess of revenue recognized. These contract liabilities are included in Other current liabilities in the Consolidated Balance Sheets. At December 31, 2021, the balances related to advance customer payments and billings in excess of revenue recognized were \$72,047 and \$40,450, respectively. Substantially all of the Company's contract liabilities are recognized within twelve months based on contract duration. The Company records an asset for contracts where it has recognized revenue, but has not yet invoiced the customer for goods or services. At December 31, 2022 and 2021, \$35,252 and \$25,300, respectively, related to these future customer receivables was included in Other current assets in the Consolidated Balance Sheets. Contract asset amounts are expected to be billed within the next twelve months.

NOTE 3 - EARNINGS PER SHARE

The following table sets forth the computation of basic and diluted earnings per share:

	Year Ended December 31,		
	2022	2021	2020
Numerator:			
Net income	\$ 472,224	\$ 276,466	\$ 206,115
Denominator (shares in 000's):			
Basic weighted average shares outstanding	58,030	59,309	59,633
Effect of dilutive securities - Stock options and awards	719	753	615
Diluted weighted average shares outstanding	<u>58,749</u>	<u>60,062</u>	<u>60,248</u>
Basic earnings per share	<u>\$ 8.14</u>	<u>\$ 4.66</u>	<u>\$ 3.46</u>
Diluted earnings per share	<u>\$ 8.04</u>	<u>\$ 4.60</u>	<u>\$ 3.42</u>

For the years ended December 31, 2022, 2021 and 2020, common shares subject to equity-based awards of 127,358, 2,949 and 615,302, respectively, were excluded from the computation of diluted earnings per share because the effect of their exercise would be anti-dilutive.

NOTE 4 – ACQUISITIONS

On December 1, 2022, the Company acquired 100% ownership of Fori Automation, LLC (“Fori”) for an agreed upon purchase price of \$427,000, which was adjusted for certain debt like obligations, for total purchase price consideration of \$465,598 or \$413,268 net of cash acquired. Fori is a leading designer and manufacturer of complex, multi-armed automated welding systems, with an extensive range of automated assembly systems, automated material handling solutions, automated large-scale, industrial guidance vehicles, and end of line testing systems. The acquisition of Fori will extend the Company’s market presence within the automotive sector as well as its automation footprint in the International Welding segment. In 2022, Fori generated sales of approximately \$200,000 (unaudited).

The acquisition of Fori has been accounted for as a business combination which requires the assets and liabilities assumed be recognized at their respective fair values as of the acquisition date. The process of estimating the fair values of certain tangible assets, identifiable intangible assets and assumed liabilities requires the use of judgment in determining the appropriate assumptions and estimates. The table below summarizes the preliminary estimated fair values of the assets acquired and liabilities assumed on the acquisition date. These preliminary estimates are based on available information and may be revised during the measurement period, not to exceed 12 months from the acquisition date, as third-party valuations are finalized, further information becomes available and additional analyses are performed. The Company does not expect any such revisions to have a material impact on the Company’s preliminary purchase price allocation. The preliminary purchase price allocation is expected to be finalized within the allowable measurement period.

<u>Assets Acquired and Liabilities Assumed</u>	<u>Preliminary Purchase Price Allocation</u>
Cash and cash equivalents	\$ 52,330
Accounts receivable	64,654
Inventory	63,304
Property, plant and equipment ⁽¹⁾	36,863
Intangible assets ⁽²⁾	69,850
Accounts payable	17,996
Net other assets and liabilities ⁽³⁾	196,593
Total purchase price consideration	\$ 465,598

- (1) Property, plant and equipment acquired includes a number of manufacturing and distribution sites, including the related facilities, land and leased sites, and machinery and equipment for use in manufacturing operations.
- (2) Intangible asset balances of \$22,000 and \$18,700, respectively, were assigned to trade names and customer relationships (15 year weighted average useful life). Of the remaining amount, \$24,900 was assigned to technology know-how (10 year weighted average useful life) and \$4,250 was assigned to restrictive covenants (4 year weighted average life).
- (3) Consists primarily of goodwill of \$237,445.

Goodwill is calculated as the excess of the consideration transferred over the net assets recognized and represents the anticipated synergies of acquiring Fori. A portion of the goodwill is deductible for tax purposes. See Note 5 for additional information about goodwill and other intangible assets.

Acquisition-related transaction costs totaled \$6,003 in 2022. These costs were expensed as incurred and are included in “Selling, general, and administrative expenses” in the Consolidated Statements of Income.

On March 1, 2022, the Company acquired 100% ownership of Kestra Universal Soldas, Industria e Comercio, Importacao e Exportacao Ltda. (“Kestra”), a privately held manufacturer headquartered in Atibaia, Sao Paulo State, Brazil. The net purchase price was \$22,294, net of cash acquired and accounted for as a business combination. In 2021, Kestra generated sales of approximately \$15,000 (unaudited). Beginning March 1, 2022, the Company’s Consolidated Statements of Income include the results of Kestra, including Net sales of \$17,602 through December 31, 2022 and the impact on net income for the year ended December 31, 2022 was not material. Kestra manufactures and provides

specialty welding consumables, wear plates and maintenance and repair services for alloy and wear-resistant products commonly used in mining, steel, agricultural and industrial mill applications. The acquisition broadens the Company's specialty alloys portfolio and services.

On July 28, 2021, the Company acquired 100% ownership of Overstreet-Hughes Company, Inc. and Shoals Tubular, Inc. ("FTP"). The net purchase price was \$71,716, net of cash acquired and accounted for as a business combination. The Company recognized \$346 in acquisition transaction costs in 2021 which were expensed as incurred and are included in "Selling, general, and administrative expenses" in the Consolidated Statements of Income. In 2020, FTP generated sales of approximately \$50,000 (unaudited). Beginning July 28, 2021, the Company's Consolidated Statements of Income include the results of FTP, including Net sales of \$24,953 through December 31, 2021 and the impact on net income for the year ended December 31, 2021 was not material. FTP manufactures copper and aluminum headers, distributor assemblies and manifolds in the United States and Mexico for the heating, ventilation, and air conditioning sector ("HVAC"). The acquisition further differentiated The Harris Products Group's competitive position serving HVAC original equipment manufacturers with a comprehensive portfolio of solutions for the fabrication of HVAC coils and accelerates growth in this market.

On April 1, 2021, the Company acquired 100% ownership of Zeman Bauelemente Produktionsgesellschaft m.b.H. ("Zeman"), a division of the Zeman Group. The net purchase price was \$84,390, net of cash acquired and accounted for as a business combination. The Company recognized \$1,577 in acquisition transaction costs in 2021, which were expensed as incurred and are included in "Selling, general, and administrative expenses" in the Consolidated Statements of Income. In 2020, Zeman generated sales of approximately \$40,000 (unaudited). Beginning April 1, 2021, the Company's Consolidated Statements of Income include the results of Zeman, including Net sales of \$24,473 through December 31, 2021 and the impact on net income for the year ended December 31, 2021 was not material. Zeman, based in Vienna, Austria, is a leading designer and manufacturer of robotic assembly and arc welding systems that automate the tacking and welding of steel beams. The acquisition expanded the Company's international automation capabilities to serve customers in the structural steel and infrastructure sectors.

The acquired companies discussed above are not material individually, or in the aggregate, to the actual or pro forma Consolidated Statements of Income or Consolidated Statements of Cash Flows; as such, pro forma information related to these acquisitions have not been presented.

NOTE 5 – GOODWILL AND INTANGIBLES

The changes in the carrying amount of goodwill by reportable segments for the years ended December 31, 2022 and 2021 were as follows:

	Americas Welding	International Welding	The Harris Products Group	Consolidated
Balance as of December 31, 2020	\$ 279,810	\$ 39,060	\$ 16,723	\$ 335,593
Additions and adjustments ⁽¹⁾	—	77,317	26,519	103,836
Foreign currency translation	173	(9,284)	(156)	(9,267)
Balance as of December 31, 2021	279,983	107,093	43,086	430,162
Additions and adjustments ⁽²⁾	215,617	31,288	(159)	246,746
Foreign currency translation	(3,413)	(8,462)	224	(11,651)
Balance as of December 31, 2022	\$ 492,187	\$ 129,919	\$ 43,151	\$ 665,257

- (1) Additions to International Welding reflect goodwill recognized in the acquisition of Zeman in 2021. Additions to The Harris Products Group reflect goodwill recognized in the acquisition of FTP in 2021.
- (2) Additions to Americas Welding reflect goodwill recognized in the acquisition of Fori and Kestra in 2022. International Welding reflect goodwill recognized in the acquisition of Fori in 2022.

Gross carrying values and accumulated amortization of intangible assets other than goodwill by asset class were as follows:

	December 31, 2022		December 31, 2021	
	Gross Amount	Accumulated Amortization	Gross Amount	Accumulated Amortization
Intangible assets not subject to amortization				
Trademarks and trade names	\$ 15,963		\$ 15,828	
Intangible assets subject to amortization				
Trademarks and trade names	\$ 93,424	\$ 47,969	\$ 72,755	\$ 44,623
Customer relationships	170,231	95,385	154,634	92,404
Patents	23,603	15,113	24,734	15,058
Other	112,404	54,452	83,223	49,696
Total intangible assets subject to amortization	<u>\$ 399,662</u>	<u>\$ 212,919</u>	<u>\$ 335,346</u>	<u>\$ 201,781</u>

During 2022, the Company acquired intangible assets either individually or as part of a group of assets, with an initial purchase price allocation and weighted-average as follows:

	Year Ended December 31, 2022	
	Purchase Price Allocation	Weighted Average Life
Acquired intangible assets subject to amortization		
Trademarks and trade names	\$ 23,770	13
Customer relationships	24,243	13
Other	30,661	9
Total acquired intangible assets subject to amortization	<u>\$ 78,674</u>	

Aggregate amortization expense was \$21,908, \$21,155 and \$20,363 for 2022, 2021 and 2020, respectively. During 2020 and 2022, the Company determined that for certain intangible assets, the carrying value of the assets exceeded the fair value resulting in an impairment. The Company recognized non-cash impairment charges of \$1,018 and \$45,468 in 2022 and 2020, respectively, which are recorded in Rationalization and asset impairment charges in the Company's Consolidated Statements of Income. During 2022, the Company Estimated annual amortization expense for intangible assets for each of the next five years is \$25,327 in 2023, \$23,728 in 2024, \$22,823 in 2025, \$21,372 in 2026 and \$19,302 in 2027.

NOTE 6 – SEGMENT INFORMATION

The Company's primary business is the design, development and manufacture of arc welding products, automated joining, assembly and cutting systems, plasma and oxy-fuel cutting equipment. The Company also has a leading global position in brazing and soldering alloys.

The Company's products include arc welding, brazing and soldering filler metals (consumables), arc welding equipment, plasma and oxyfuel cutting systems, wire feeding systems, fume control equipment, welding accessories, specialty gas regulators, and education solutions; as well as a comprehensive portfolio of automated solutions for joining, cutting, material handling, module assembly, and end of line testing.

The Company has aligned its organizational and leadership structure into three operating segments to support growth strategies and enhance the utilization of the Company's worldwide resources and global sourcing initiatives. The operating segments consist of Americas Welding, International Welding and The Harris Products Group. The Americas Welding segment includes welding operations in North and South America. The International Welding segment includes welding operations in Europe, Africa, Asia and Australia. The Harris Products Group includes the Company's global cutting, soldering and brazing businesses, specialty gas equipment, as well as its retail business in the United States.

Segment performance is measured and resources are allocated based on a number of factors, the primary measure being the adjusted earnings before interest and income taxes ("Adjusted EBIT") profit measure. EBIT is defined as Operating income plus Equity earnings in affiliates and Other income. Segment EBIT is adjusted for special items as determined by management such as the impact of rationalization activities, certain asset impairment charges and gains or losses on disposals of assets. The accounting principles applied at the operating segment level are generally the same as those applied at the consolidated financial statement level with the exception of LIFO. Segment assets include inventories measured on a FIFO basis while consolidated inventories include inventories reported on a LIFO basis. Segment and consolidated income before interest and income taxes include the effect of inventories reported on a LIFO basis. At December 31, 2022, 2021 and 2020 approximately 38%, 36% and 35%, respectively, of total inventories were valued using the LIFO method. LIFO is used for a substantial portion of U.S. inventories included in Americas Welding. Inter-segment sales are recorded at agreed upon prices that approximate arm's length prices and are eliminated in consolidation. Corporate-level expenses are allocated to the operating segments.

Financial information for the reportable segments follows:

	Americas Welding ⁽¹⁾	International Welding ⁽²⁾	The Harris Products Group ⁽³⁾	Corporate / Eliminations ⁽⁴⁾	Consolidated
For the Year Ended December 31, 2022					
Net sales	\$ 2,288,934	\$ 954,281	\$ 517,996	\$ —	\$ 3,761,211
Inter-segment sales	122,019	31,503	11,040	(164,562)	—
Total	\$ 2,410,953	\$ 985,784	\$ 529,036	\$ (164,562)	\$ 3,761,211
Adjusted EBIT	\$ 462,819	\$ 120,157	\$ 64,008	\$ (10,033)	\$ 636,951
Special items charge (gain)	(3,060)	11,681	—	6,003	14,624
EBIT	\$ 465,879	\$ 108,476	\$ 64,008	\$ (16,036)	\$ 622,327
Interest income					1,607
Interest expense					(31,107)
Income before income taxes					\$ 592,827
Total assets	\$ 2,122,729	\$ 994,905	\$ 361,989	\$ (299,077)	\$ 3,180,546
Equity investments in affiliates	5,101	—	—	—	5,101
Capital expenditures	43,003	17,955	10,925	—	71,883
Depreciation and amortization	47,291	20,949	9,819	—	78,059
For the Year Ended December 31, 2021					
Net sales	\$ 1,824,481	\$ 948,125	\$ 461,574	\$ —	\$ 3,234,180
Inter-segment sales	140,650	26,331	8,096	(175,077)	—
Total	\$ 1,965,131	\$ 974,456	\$ 469,670	\$ (175,077)	\$ 3,234,180
Adjusted EBIT	\$ 329,016	\$ 106,208	\$ 68,447	\$ (12,403)	\$ 491,268
Special items charge (gain)	123,114	15,234	3,785	1,923	144,056
EBIT	\$ 205,902	\$ 90,974	\$ 64,662	\$ (14,326)	\$ 347,212
Interest income					1,567
Interest expense					(23,781)
Income before income taxes					\$ 324,998
Total assets	\$ 1,521,083	\$ 938,061	\$ 330,678	\$ (197,515)	\$ 2,592,307
Equity investments in affiliates	5,181	—	—	—	5,181
Capital expenditures	37,717	16,916	7,898	—	62,531
Depreciation and amortization	49,510	24,998	6,795	(157)	81,146
For the Year Ended December 31, 2020					
Net sales	\$ 1,509,870	\$ 786,809	\$ 358,721	\$ —	\$ 2,655,400
Inter-segment sales	109,378	18,494	7,034	(134,906)	—
Total	\$ 1,619,248	\$ 805,303	\$ 365,755	\$ (134,906)	\$ 2,655,400
Adjusted EBIT	\$ 245,728	\$ 44,979	\$ 55,154	\$ (5,455)	\$ 340,406
Special items charge	34,989	19,404	—	—	54,393
EBIT	\$ 210,739	\$ 25,575	\$ 55,154	\$ (5,455)	\$ 286,013
Interest income					1,986
Interest expense					(23,959)
Income before income taxes					\$ 264,040
Total assets	\$ 1,423,393	\$ 807,407	\$ 225,959	\$ (142,306)	\$ 2,314,453
Equity investments in affiliates	4,682	—	—	—	4,682
Capital expenditures	30,811	21,819	6,571	—	59,201
Depreciation and amortization	51,744	23,859	4,982	(93)	80,492

- (1) 2022 special items reflect Rationalization and asset impairment gains of \$431, final settlement gains related to the termination of a pension plan of \$3,735 and amortization of step up in value of acquired inventories of \$1,106.

2021 special items reflect pension settlement charges of \$123,091.

2020 special items reflect Rationalization and asset impairment charges of \$26,870 and pension settlement charges of \$8,119

- (2) 2022 special items reflect Rationalization and asset impairment charges of \$11,681.

2021 special items reflect Rationalization and asset impairment charges of \$9,804, pension settlement charges of \$446 and amortization of step up in value of acquired inventories of \$4,984.

2020 special items reflect Rationalization and asset impairment charges of \$18,598 and amortization of step up in value of acquired inventories of \$806.

- (3) 2021 special items reflect pension settlement charges of \$2,965 and amortization of step up in value of acquired inventories of \$820.
- (4) 2022 special items reflect acquisition transaction and integration costs of \$6,003 related acquisitions as discussed in Note 4 to the consolidated financial statements.

2021 special items reflect acquisition transaction and integration costs of \$1,923 related acquisitions as discussed in Note 4 to the consolidated financial statements.

Export sales (excluding inter-company sales) from the United States were \$173,033 in 2022, \$149,110 in 2021 and \$132,637 in 2020. No individual customer comprised more than 10% of the Company's total revenues for any of the three years ended December 31, 2022.

The geographic split of the Company's Net sales, based on the location of the customer, and property, plant and equipment were as follows:

	Year Ended December 31,		
	2022	2021	2020
Net sales:			
United States	\$ 2,128,457	\$ 1,726,498	\$ 1,431,859
Foreign countries	1,632,754	1,507,682	1,223,541
Total	<u>\$ 3,761,211</u>	<u>\$ 3,234,180</u>	<u>\$ 2,655,400</u>
	December 31,		
	2022	2021	2020
Property, plant and equipment, net:			
United States	\$ 267,654	\$ 262,247	\$ 247,931
Foreign countries	277,217	249,497	274,214
Eliminations	—	—	(53)
Total	<u>\$ 544,871</u>	<u>\$ 511,744</u>	<u>\$ 522,092</u>

NOTE 7 – RATIONALIZATION AND ASSET IMPAIRMENTS

During 2020 and 2021, the Company initiated rationalization plans within the Americas Welding and International Welding segments. The plans include headcount restructuring and the consolidation of manufacturing facilities to better align the cost structure with economic conditions and operating needs. At December 31, 2022, liabilities of \$2,207 for International Welding were recognized in Other current liabilities in the Company's Consolidated Balance Sheet. The Company does not anticipate significant additional charges related to the completion of these plans.

The Company recorded rationalization and asset impairment net charges of \$11,788, \$9,827 and \$45,468 for the years ended December 31, 2022, 2021 and 2020, respectively, related to these plans. The charges are primarily related to employee severance, asset impairments and gains or losses on the disposal of assets.

The Company believes the rationalization actions will positively impact future results of operations and will not have a material effect on liquidity and sources and uses of capital. The Company continues to evaluate its cost structure and additional rationalization actions may result in charges in future periods.

The following table summarizes the activity related to the rationalization liabilities:

	International Welding	Consolidated
Balance at December 31, 2020	\$ 13,597	\$ 13,622
Payments and other adjustments	(21,488)	(21,513)
Charged to expense	10,881	10,881
Balance at December 31, 2021	\$ 2,990	\$ 2,990
Payments and other adjustments	(4,471)	(4,471)
Charged to expense	3,688	3,688
Balance at December 31, 2022	\$ 2,207	\$ 2,207

NOTE 8 – ACCUMULATED OTHER COMPREHENSIVE INCOME (LOSS) ("AOCI")

The following tables set forth the total changes in accumulated other comprehensive income (loss) ("AOCI") by component, net of taxes:

	Year Ended December 31, 2022			
	Unrealized gain (loss) on derivatives designated and qualifying as cash flow hedges	Defined benefit pension plan activity	Currency translation adjustment	Total
Balance at December 31, 2020	\$ 2,487	\$ (101,770)	\$ (202,907)	\$ (302,190)
Other comprehensive income (loss) before reclassification	6,753	6,279	(49,342) ³	(36,310)
Amounts reclassified from AOCI	(1,146) ¹	82,260 ²	—	81,114
Net current-period other comprehensive income (loss)	5,607	88,539	(49,342)	44,804
Balance at December 31, 2021	\$ 8,094	\$ (13,231)	\$ (252,249)	\$ (257,386)
Other comprehensive income (loss) before reclassification	7,866	13,911	(35,178) ^{3, 4}	(13,401)
Amounts reclassified from AOCI	(2,051) ¹	(2,461) ²	—	(4,512)
Net current-period other comprehensive income (loss)	5,815	11,450	(35,178)	(17,913)
Balance at December 31, 2022	\$ 13,909	\$ (1,781)	\$ (287,427)	\$ (275,299)

- (1) During 2022, this AOCI reclassification is a component of Net sales of \$665 (net of tax of \$297) and Cost of goods sold of \$(1,386) (net of tax of \$(351)); during 2021, the reclassification is a component of Net sales of \$1,553 (net of tax of \$671) and Cost of goods sold of \$407 (net of tax of \$179). Refer to Note 14 to the consolidated financial statements for additional details.
- (2) This AOCI component is included in the computation of net periodic pension costs (net of tax of \$(476) and \$46,609 during the years ended December 31, 2022 and 2021, respectively). Refer to Note 11 to the consolidated financial statements for additional details.

- (3) The Other comprehensive income before reclassifications excludes \$94 and \$(403) attributable to Non-controlling interests in the years ended December 31, 2022 and 2021, respectively. The reclassified AOCI component is included in the computation of Non-controlling interests. Refer to the Consolidated Statements of Equity for additional details.
- (4) Includes a gain of \$9,440 from derivatives designated as net investment hedges.

NOTE 9 – DEBT

At December 31, 2022 and 2021, debt consisted of the following:

	December 31,	
	2022	2021
<i>Long-term debt</i>		
Senior Unsecured Notes due through 2045, interest at 2.8% to 4.0% (net of debt issuance costs of \$1,585 and \$1,074 at December 31, 2022 and 2021, respectively)	\$ 703,124	\$ 704,313
Term Loan due through 2025	400,000	—
Other borrowings due through 2030, interest up to 16.0%	18,311	13,542
	1,121,435	717,855
Less current portion	11,039	766
Long-term debt, less current portion	1,110,396	717,089
<i>Short-term debt</i>		
Amounts due banks, weighted average interest at 4.0% in 2022 and 1.8% in 2021	82,444	51,964
Current portion long-term debt	11,039	766
Total short-term debt	93,483	52,730
Total debt	\$ 1,203,879	\$ 769,819

At December 31, 2022 and 2021, the fair value of long-term debt, including the current portion, was approximately \$1,009,020 and \$776,655, respectively, which was determined using available market information and methodologies requiring judgment. The carrying value of this debt at such dates was \$1,121,435 and \$717,855, respectively. Since judgment is required in interpreting market information, the fair value of the debt is not necessarily the amount which could be realized in a current market exchange.

Senior Unsecured Notes

On April 1, 2015 and October 20, 2016, the Company entered into separate Note Purchase Agreements pursuant to which it issued senior unsecured notes (the "Notes") through a private placement. Interest on the Notes is paid semi-annually. The proceeds of the Notes were used for general corporate purposes. The Notes contain certain affirmative and negative covenants. As of December 31, 2022, the Company was in compliance with all of its debt covenants relating to the Notes.

The maturity and interest rates of the 2015 Notes and 2016 Notes are as follows:

	Amount	Maturity Date	Interest Rate
2015 Notes			
Series A	\$ 100,000	August 20, 2025	3.15 %
Series B	100,000	August 20, 2030	3.35 %
Series C	50,000	April 1, 2035	3.61 %
Series D	100,000	April 1, 2045	4.02 %
2016 Notes			
Series A	\$ 100,000	October 20, 2028	2.75 %
Series B	100,000	October 20, 2033	3.03 %
Series C	100,000	October 20, 2037	3.27 %
Series D	50,000	October 20, 2041	3.52 %

The Company's total weighted average effective interest rate and remaining weighted average term, inclusive of the 2015 Notes and 2016 Notes, is 3.3% and 11.4 years, respectively.

Revolving Credit Agreement

On April 23, 2021, the Company amended and restated the agreement governing its line of credit by entering into the Second Amended and Restated Credit Agreement ("Credit Agreement"). The Credit Agreement has a line of credit totaling \$500,000, has a term of 5 years with a maturity date of April 23, 2026 and may be increased, subject to certain conditions including the consent of its lenders, by an additional amount up to \$150,000. The interest rate on borrowings is based on LIBOR plus a spread based on the Company's net leverage ratio. The Credit Agreement contains customary representations and warranties, as well as customary affirmative, negative and financial covenants for credit facilities of this type (subject to negotiated baskets and exceptions), including limitations on the Company and its subsidiaries with respect to liens, investments, distributions, mergers and acquisitions, dispositions of assets and transactions with affiliates. As of December 31, 2022, the Company was in compliance with all of its covenants and had \$45,000 of outstanding borrowings under the Credit Agreement.

The Company has other lines of credit and debt agreements totaling \$92,078. As of December 31, 2022 the Company was in compliance with all of its covenants and had \$37,444 outstanding at December 31, 2022.

Shelf Agreements

On November 27, 2018, the Company entered into seven uncommitted master note facilities (the "Shelf Agreements") that allow borrowings up to \$700,000 in the aggregate. The Shelf Agreements have a term of 5 years and the average life of borrowings cannot exceed 15 years. The Company is required to comply with covenants similar to those contained in the 2015 Notes and 2016 Notes. As of December 31, 2022, the Company was in compliance with all of its covenants and had no outstanding borrowings under the Shelf Agreements.

Term Loan

On November 29, 2022, the Company entered into a term loan in the aggregate principal amount of \$400,000 (the "Term Loan"), which was borrowed in full. The Term Loan matures on November 29, 2025. The Term Loan bears an interest at a rate based on SOFR, plus a margin ranging from 0.75% to 1.75% based on the Company's consolidated net leverage ratio. The proceeds of the Term Loan were used to pay a portion of the purchase price in connection with the acquisition of Fori.

The agreement governing the Term Loan (the "Term Loan Credit Agreement") contains representations and warranties, as well as customary affirmative, negative and financial covenants for credit facilities of this type, including limitations on the Company and its subsidiaries with respect to liens, investments, distributions, mergers and acquisitions, dispositions of assets and transactions with affiliates. The Term Loan Credit Agreement requires the Company to maintain a minimum consolidated fixed charges coverage ratio and maximum consolidated net leverage ratio. As of December 31, 2022, the Company was in compliance with all of its covenants.

Other

Maturities of long-term debt, including payments for amounts due banks, for the five years succeeding December 31, 2022 are \$93,483 in 2023, \$5 in 2024, \$507,292 in 2025, \$0 in 2026, \$0 in 2027 and \$600,000 thereafter. Total interest paid was \$23,547 in 2022, \$23,752 in 2021 and \$26,332 in 2020. The difference between interest paid and interest expense is due to the accrual of interest associated with the Senior Unsecured Notes and interest rate derivative contracts discussed in Note 14 to the consolidated financial statements.

NOTE 10 – STOCK PLANS

On April 23, 2015, the shareholders of the Company approved the 2015 Equity and Incentive Compensation Plan ("Employee Plan"). The Employee Plan provides for the granting of options, appreciation rights, restricted shares, restricted stock units and performance-based awards up to an additional 5,400,000 of the Company's common shares. In addition, on April 23, 2015, the shareholders of the Company approved the 2015 Stock Plan for Non-Employee Directors ("2015 Director Plan"). The 2015 Director Plan provides for the granting of options, restricted shares and restricted stock units up to an additional 300,000 of the Company's common shares. At December 31, 2022, there were 1,381,427 common shares available for future grant under all plans.

Stock Options

The following table summarizes stock option activity for the year ended December 31, 2022 under all Plans:

	Number of Options	Weighted Average Exercise Price
Balance at beginning of year	1,068,224	\$ 86.28
Options granted	145,213	128.19
Options exercised	(94,234)	75.16
Options canceled	(591)	47.91
Options forfeited	(1,253)	89.63
Balance at end of year	1,117,359	93.31
Exercisable at end of year	800,353	84.22

Options granted under both the Employee Plan and its predecessor plans may be outstanding for a maximum of 10 years from the date of grant. The majority of options granted vest ratably over a period of 3 years from the grant date. The exercise prices of all options were equal to the quoted market price of the Company's common shares at the date of grant. The Company issued shares of common stock from treasury upon all exercises of stock options in 2022. In 2022, all options issued were under the Employee Plan.

The Company uses the Black-Scholes option pricing model for estimating fair values of options. In estimating the fair value of options granted, the expected option life is based on the Company's historical experience. The expected volatility is based on historical volatility. The weighted average assumptions for each of the three years ended December 31 were as follows:

	2022	2021	2020
Expected volatility	27.14 %	28.01 %	25.80 %
Dividend yield	1.84 %	2.17 %	2.51 %
Risk-free interest rate	1.94 %	0.55 %	1.41 %
Expected option life (years)	4.7	4.7	4.6
Weighted average fair value per option granted during the year	\$ 27.42	\$ 21.70	\$ 15.97

The following table summarizes non-vested stock options for the year ended December 31, 2022:

	Number of Options	Weighted Average Fair Value at Grant Date
Balance at beginning of year	341,253	\$ 19.11
Granted	145,213	27.42
Vested	(167,616)	18.41
Canceled	(591)	15.91
Forfeited	(1,253)	15.97
Balance at end of year	317,006	13.93

The aggregate intrinsic value of options outstanding and exercisable which would have been received by the optionees had all awards been exercised at December 31, 2022 was \$58,282 and \$49,024, respectively. The total intrinsic value of awards exercised during 2022, 2021 and 2020 was \$7,082, \$20,442 and \$13,269, respectively. The total fair value of options that vested during 2022, 2021 and 2020 was \$3,086, \$2,983 and \$3,564, respectively.

The following table summarizes information about awards outstanding as of December 31, 2022:

Exercise Price Range	Outstanding			Exercisable		
	Number of Stock Options	Weighted Average Exercise Price	Weighted Average Remaining Life (years)	Number of Stock Options	Weighted Average Exercise Price	Weighted Average Remaining Life (years)
Under \$49.99	—	\$ —	—	—	\$ —	—
\$50.00 - \$59.99	119,681	58.13	3.10	119,681	58.13	3.10
Over \$60.00	997,678	97.53	6.30	680,672	88.80	5.40
	<u>1,117,359</u>		6.00	<u>800,353</u>		5.00

Restricted Stock Units ("RSUs") and Performance Share Units ("PSUs")

The following table summarizes RSU and PSU activity for the year ended December 31, 2022 under all Plans:

	Number of Units	Weighted Average Grant Date Fair Value
Balance at beginning of year	403,826	\$ 98.65
Units granted	139,733	129.75
Units vested	(140,013)	91.70
Units forfeited	(12,474)	109.59
Balance at end of year	391,072	111.90

RSUs are valued at the quoted market price on the grant date. The majority of RSUs vest over a period of 3 years. The Company issues shares of common stock from treasury upon the vesting of RSUs and any earned dividend equivalents. Conversion of 24,404 RSUs and PSUs to common shares in 2022 were deferred as part of the 2005 Deferred Compensation Plan for Executives (the "2005 Plan"). As of December 31, 2022, 130,674 RSUs and PSUs, including related dividend equivalents, have been deferred under the 2005 Plan. These units are reflected within dilutive shares in the calculation of earnings per share. In 2022, 106,170 RSUs were issued under the Employee Plan and the 2015 Director Plan. The remaining weighted average vesting period of all non-vested RSUs is 1.2 years as of December 31, 2022.

PSUs are valued at the quoted market price on the grant date. PSUs vest over a period of 3 years and are based on the Company's performance relative to pre-established performance goals. The Company issues common stock from treasury upon the vesting of PSUs and any earned dividend equivalents. In 2022, the Company issued 33,563 PSU's and has 86,892 PSUs outstanding under the Employee Plan at a weighted average fair value of \$110.93 per share. The remaining weighted average vesting period of all non-vested PSUs is 1.1 years as of December 31, 2022.

Stock-Based Compensation Expense

Expense is recognized for all awards of stock-based compensation by allocating the aggregate grant date fair value over the vesting period. No expense is recognized for any stock options, restricted or deferred shares, RSUs or PSUs ultimately forfeited because recipients fail to meet vesting requirements. Total stock-based compensation expense recognized in the Consolidated Statements of Income for 2022, 2021 and 2020 was \$25,276, \$23,787 and \$15,388, respectively. The related tax benefit for 2022, 2021 and 2020 was \$6,363, \$5,988 and \$3,874, respectively. As of December 31, 2022, total unrecognized stock-based compensation expense related to non-vested stock options, RSUs and PSUs was \$17,610, which is expected to be recognized over a weighted average period of approximately 1.3 years.

Lincoln Stock Purchase Plan

The 1995 Lincoln Stock Purchase Plan provides employees the ability to purchase open market shares on a commission-free basis up to a limit of ten thousand dollars annually. Under this plan, 800,000 shares have been authorized to be purchased. There were no shares purchased in 2022, 9,070 in 2021 and 13,667 in 2020.

NOTE 11 – RETIREMENT ANNUITY AND GUARANTEED CONTINUOUS EMPLOYMENT PLANS

The Company maintains a number of defined benefit and defined contribution plans to provide retirement benefits for employees. These plans are maintained and contributions are made in accordance with the Employee Retirement Income Security Act of 1974 ("ERISA"), local statutory law or as determined by the Board of Directors. The plans generally provide benefits based upon years of service and compensation. Pension plans are funded except for a domestic non-qualified pension plan for certain key employees and certain foreign plans. The Company uses a December 31 measurement date for its plans.

The Company does not have, and does not provide for, any postretirement or postemployment benefits other than pensions and certain non-U.S. statutory termination benefits.

Defined Benefit Plans

Contributions are made in amounts sufficient to fund current service costs on a current basis and to fund past service costs, if any, over various amortization periods.

Obligations and Funded Status

	December 31,			
	2022		2021	
	U.S. pension plans	Non-U.S. pension plans	U.S. pension plans	Non-U.S. pension plans
<i>Change in benefit obligations</i>				
Benefit obligations at beginning of year	\$ 10,930	\$ 164,005	\$ 557,946	\$ 190,141
Service cost	199	1,077	194	1,413
Interest cost	262	2,644	8,926	2,567
Plan participants' contributions	—	54	—	84
Acquisitions & other adjustments	2,689	(341)	—	(115)
Actuarial (gain) loss ⁽¹⁾	(4,706)	(30,229)	(7,774)	(10,759)
Benefits paid	—	(7,066)	(10,118)	(9,586)
Settlements/curtailments ⁽²⁾	—	(398)	(538,244)	(4,466)
Currency translation	—	(11,257)	—	(5,274)
Benefit obligations at end of year	9,374	118,489	10,930	164,005
<i>Change in plan assets</i>				
Fair value of plan assets at beginning of year	68,458	114,557	618,024	117,058
Actual return on plan assets	59	(16,319)	(2,058)	4,694
Employer contributions	—	1,634	—	2,097
Plan participants' contributions	—	54	—	84
Acquisitions & other adjustments	(68,517)	(195)	—	—
Benefits paid	—	(4,757)	(9,264)	(6,864)
Settlements ⁽²⁾	—	—	(538,244)	(1,072)
Currency translation	—	(8,431)	—	(1,440)
Fair value of plan assets at end of year	—	86,543	68,458	114,557
Funded status at end of year	(9,374)	(31,946)	57,528	(49,448)
Unrecognized actuarial net loss	1,734	2,073	2,897	13,274
Unrecognized prior service cost	—	(73)	—	(23)
Unrecognized transition assets, net	—	25	—	25
Net amount recognized	<u>\$ (7,640)</u>	<u>\$ (29,921)</u>	<u>\$ 60,425</u>	<u>\$ (36,172)</u>

(1) Actuarial gains in 2022 were primarily the result of an increase in the Company's pension plan discount rates.

(2) Settlements in 2022 and 2021 resulting from lump sum pension payments and the purchase of a group annuity contract in October 2021 related to the termination of a pension plan.

The after-tax amounts of unrecognized actuarial net loss, prior service costs and transition assets included in Accumulated other comprehensive loss at December 31, 2022 were \$1,815, \$(51) and \$17, respectively. The actuarial loss represents changes in the estimated obligation not yet recognized in the Consolidated Income Statement.

In March 2020, the Company approved an amendment to terminate the Lincoln Electric Company Retirement Annuity Program ("RAP") plan effective as of December 31, 2020. The Company provided notice to participants of the intent to terminate the plan and applied and received a determination letter. During 2021, pension obligations were distributed through a combination of lump sum payments to eligible plan participants and through the purchase of a group annuity

contract in October 2021. The lump sum payments and annuity purchase resulted in pre-tax settlement charges of \$126,056 in the twelve months ended December 31, 2021. The remaining surplus assets of \$68,458 at December 31, 2021 were transferred to a suspense account in January 2022 and are being used to fund employer matching contributions in the Company's Savings Plan. The surplus assets as of December 31, 2022 were \$56,418 and are recorded in Other current assets and Other assets in the Company's Consolidated Balance Sheets.

Amounts Recognized in Consolidated Balance Sheets

	December 31,			
	2022		2021	
	U.S. pension plans	Non-U.S. Pension plans	U.S. pension plans	Non-U.S. pension plans
Prepaid pensions ⁽¹⁾	\$ —	\$ 1,603	\$ 68,458	\$ 2,425
Accrued pension liability, current ⁽²⁾	(2,403)	(523)	(690)	(2,546)
Accrued pension liability, long-term ⁽³⁾	(6,971)	(33,026)	(10,240)	(49,327)
Accumulated other comprehensive loss, excluding tax effects	1,734	2,025	2,897	13,276
Net amount recognized in the balance sheets	<u>\$ (7,640)</u>	<u>\$ (29,921)</u>	<u>\$ 60,425</u>	<u>\$ (36,172)</u>

(1) Included in Other assets. In 2021, U.S. pension plans include \$9,776 in Other current assets and \$58,682 in Other assets.

(2) Included in Other current liabilities.

(3) Included in Other liabilities.

Components of Pension Cost for Defined Benefit Plans

	Year Ended December 31,					
	2022		2021		2020	
	U.S. pension plans	Non-U.S. pension plans	U.S. pension plans	Non-U.S. pension plans	U.S. pension plans	Non-U.S. pension plans
Service cost	\$ 199	\$ 1,077	\$ 194	\$ 1,413	\$ 156	\$ 3,140
Interest cost	262	2,644	8,926	2,567	14,670	2,755
Expected return on plan assets	—	(3,525)	(13,050)	(3,990)	(23,377)	(4,217)
Amortization of prior service cost	—	—	—	8	—	57
Amortization of net loss	132	299	1,966	882	1,346	1,986
Settlement and curtailment charges (gains) ⁽¹⁾	(3,735)	367	126,055	(42)	8,118	237
Defined benefit plans	<u>\$ (3,142)</u>	<u>\$ 862</u>	<u>\$ 124,091</u>	<u>\$ 838</u>	<u>\$ 913</u>	<u>\$ 3,958</u>

(1) Pension settlement net charges resulting from lump sum pension payments and the purchase of a group annuity contract in 2021.

The components of Pension cost for defined benefit plans, other than service cost, are included in Other income (expense) in the Company's Consolidated Statements of Income.

Pension Plans with Accumulated Benefit Obligations in Excess of Plan Assets

	December 31,			
	2022		2021	
	U.S. pension plans	Non-U.S. pension plans	U.S. pension plans	Non-U.S. pension plans
Projected benefit obligation	\$ 9,331	\$ 82,378	\$ 10,886	\$ 121,894
Accumulated benefit obligation	8,937	80,444	10,372	120,037
Fair value of plan assets	—	48,974	—	70,199

The total accumulated benefit obligation for all plans was \$125,031 as of December 31, 2022 and \$171,755 as of December 31, 2021.

Benefit Payments for Plans

Benefits expected to be paid for the plans are as follows:

	U.S. pension Plans	Non-U.S. pension plans
Estimated Payments		
2023	\$ 2,575	\$ 7,173
2024	851	35,957
2025	1,160	7,196
2026	1,172	6,335
2027	1,147	5,684
2028 through 2032	5,546	31,065

Assumptions

Weighted average assumptions used to measure the benefit obligation for the Company's significant defined benefit plans as of December 31, 2022 and 2021 were as follows:

	December 31,			
	2022		2021	
	U.S. pension plans	Non-U.S. pension plans	U.S. pension plans	Non-U.S. pension plans
Discount Rate	5.8 %	4.2 %	2.5 %	1.8 %
Rate of increase in compensation	3.0 %	3.7 %	3.0 %	3.1 %

Weighted average assumptions used to measure the net periodic benefit cost for the Company's significant defined benefit plans for each of the three years ended December 31 were as follows:

	December 31,					
	2022		2021		2020	
	U.S. pension plans	Non-U.S. pension plans	U.S. pension plans	Non-U.S. pension plans	U.S. pension plans	Non-U.S. pension plans
Discount rate	2.5 %	1.8 %	2.2 %	1.3 %	3.4 %	1.7 %
Rate of increase in compensation	3.0 %	3.1 %	2.5 %	2.7 %	2.5 %	2.6 %
Expected return on plan assets	—	3.4 %	3.0 %	3.3 %	4.0 %	4.1 %

To develop the discount rate assumptions, the Company refers to the yield derived from matching projected pension payments with maturities of bonds rated AA or an equivalent quality. The expected long-term rate of return assumption is based on the weighted average expected return of the various asset classes in the plans' portfolio and the targeted allocation of plan assets. The asset class return is developed using historical asset return performance as well as current market conditions such as inflation, interest rates and equity market performance. The rate of compensation increase is determined by the Company based upon annual reviews.

Pension Plans' Assets

The primary objective of the pension plans' investment policy is to ensure sufficient assets are available to provide benefit obligations when such obligations mature. Investment management practices must comply with ERISA or any other applicable regulations and rulings. The overall investment strategy for the defined benefit pension plans' assets is to achieve a rate of return over a normal business cycle relative to an acceptable level of risk that is consistent with the

long-term objectives of the portfolio. Excluding the RAP plan assets, the target allocation for plan assets is 30% to 40% equity securities and 60% to 70% debt and other securities.

The following table sets forth, by level within the fair value hierarchy, the pension plans' assets as of December 31, 2022:

Pension Plans' Assets at Fair Value as of December 31, 2022				
	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	Total
Cash and cash equivalents	\$ 16,694	\$ —	\$ —	\$ 16,694
Fixed income securities ⁽¹⁾				
Corporate debt and other obligations	—	4,912	—	4,912
Investments measured at NAV ⁽²⁾				
Common trusts and 103-12 investments ⁽³⁾	—	—	—	64,937
Total investments at fair value	\$ 16,694	\$ 4,912	\$ —	\$ 86,543

The following table sets forth, by level within the fair value hierarchy, the pension plans' assets as of December 31, 2021:

Pension Plans' Assets at Fair Value as of December 31, 2021				
	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	Total
Cash and cash equivalents	\$ 71,199	\$ —	\$ —	\$ 71,199
Fixed income securities ⁽¹⁾				
Corporate debt and other obligations	—	5,240	—	5,240
Investments measured at NAV ⁽²⁾				
Common trusts and 103-12 investments ⁽³⁾	—	—	—	106,576
Total investments at fair value	\$ 71,199	\$ 5,240	\$ —	\$ 183,015

- (1) Fixed income securities are primarily comprised of governmental and corporate bonds directly held by the plans. Governmental and corporate bonds are valued using both market observable inputs for similar assets that are traded on an active market and the closing price on the active market on which the individual securities are traded.
- (2) Certain assets that are measured at fair value using the net asset value ("NAV") practical expedient have not been classified in the fair value hierarchy.
- (3) Common trusts and 103-12 investments (collectively "Trusts") are comprised of a number of investment funds that invest in a diverse portfolio of assets including equity securities, corporate and governmental bonds, equity and credit indexes and money markets. Trusts are valued at the NAV as determined by their custodian. NAV represents the accumulation of the unadjusted quoted close prices on the reporting date for the underlying investments divided by the total shares outstanding at the reporting dates.

Supplemental Executive Retirement Plan

The Company maintained a domestic unfunded Supplemental Executive Retirement Plan ("SERP") under which non-qualified supplemental pension benefits are paid to certain employees in addition to amounts received under the Company's qualified retirement plan which is subject to IRS limitations on covered compensation. The annual cost of this program has been included in the determination of total net pension costs shown above and was \$253, \$213 and

\$1,225 in 2022, 2021 and 2020, respectively. The projected benefit obligation associated with this plan is also included in the pension disclosure shown above and was \$7,339, \$7,947 and \$8,194 at December 31, 2022, 2021 and 2020, respectively.

Defined Contribution Plans

Substantially all U.S. employees are covered under defined contribution plans. In October 2016, the Company announced a plan redesign of The Lincoln Electric Company Employee Savings Plan (“Savings Plan”) that was effective January 1, 2017. The Savings Plan provides that eligible employees receive up to 6% of employees’ annual compensation through Company matching contributions of 100% of the first 3% of employee compensation contributed to the plan, and automatic Company contributions equal to 3% of annual compensation. In addition, certain employees affected by the RAP freeze in 2016 are also eligible to receive employer contributions equal to 6% of annual compensation for a minimum period of five years or to the end of the year in which they complete thirty years of service.

Effective January 1, 2017, the Company created The Lincoln Electric Company Restoration Plan (“Restoration Plan”). The Restoration Plan is a domestic unfunded plan maintained for the purpose of providing certain employees the ability to fully participate in standard employee retirement offerings, which are limited by IRS regulations on covered compensation.

The annual costs recognized for defined contribution plans were \$29,569, \$26,282 and \$22,593 in 2022, 2021 and 2020, respectively.

Other Benefits

The Cleveland, Ohio, area operations have a Guaranteed Continuous Employment Plan covering substantially all employees which, in general, provides that the Company will provide work for at least 75% of every standard work week (presently 40 hours). This plan does not guarantee employment when the Company’s ability to continue normal operations is seriously restricted by events beyond the control of the Company. The Company has reserved the right to terminate this plan effective at the end of a calendar year by giving notice of such termination not less than six months prior to the end of such year.

NOTE 12 — OTHER INCOME (EXPENSE)

The components of Other income (expense) were as follows:

	Year Ended December 31,		
	2022	2021	2020
Equity earnings in affiliates	\$ (153)	\$ 499	\$ 408
Other components of net periodic pension (cost) income ⁽¹⁾	3,556	(123,920)	(1,575)
Other income (expense)	6,588	8,964	5,109
Total Other income (expense)	<u>\$ 9,991</u>	<u>\$ (114,457)</u>	<u>\$ 3,942</u>

(1) Other components of net periodic pension (cost) income includes pension settlements and curtailments as discussed in Note 11 to the consolidated financial statements.

NOTE 13 – INCOME TAXES

The components of income before income taxes were as follows:

	Year Ended December 31,		
	2022	2021	2020
U.S.	\$ 359,760	\$ 143,290	\$ 179,650
Non-U.S.	233,067	181,708	84,390
Total	<u>\$ 592,827</u>	<u>\$ 324,998</u>	<u>\$ 264,040</u>

The components of income tax expense (benefit) were as follows:

	Year Ended December 31,		
	2022	2021	2020
Current:			
Federal	\$ 88,974	\$ 23,415	\$ 30,091
Non-U.S.	55,664	44,828	18,020
State and local	24,423	10,298	8,770
	169,061	78,541	56,881
Deferred:			
Federal	(38,462)	(21,538)	(1,898)
Non-U.S.	(3,281)	(4,488)	3,196
State and local	(6,715)	(4,097)	(283)
	(48,458)	(30,123)	1,015
Total	<u>\$ 120,603</u>	<u>\$ 48,418</u>	<u>\$ 57,896</u>

The differences between total income tax expense and the amount computed by applying the statutory federal income tax rate to income before income taxes for the three years ended December 31, 2022 were as follows:

	Year Ended December 31,		
	2022	2021	2020
Statutory rate applied to pre-tax income	\$ 124,492	\$ 68,250	\$ 55,448
State and local income taxes, net of federal tax benefit	12,904	4,005	6,148
Excess tax benefits resulting from exercises of stock-based compensation	(2,500)	(4,681)	(2,471)
Resolution and settlements to uncertain tax positions	(350)	577	(4,146)
Foreign Derived Intangible Income Deduction	(13,356)	(2,197)	(1,267)
Foreign rate variance	5,020	2,131	85
Valuation allowances	(4,547)	(4,209)	4,753
Research and development credit	(6,800)	(5,300)	(4,400)
Pension plan termination adjustment	—	(14,711)	—
U.S. tax cost (benefit) of foreign source income	783	3,488	269
Other	4,957	1,065	3,477
Total	<u>\$ 120,603</u>	<u>\$ 48,418</u>	<u>\$ 57,896</u>
Effective tax rate	<u>20.3 %</u>	<u>14.9 %</u>	<u>21.9 %</u>

The 2022 effective tax rate was higher than 2021 primarily due to a change in the mix of earnings, as well as the impact of the 2021 pension plan termination.

Total income tax payments, net of refunds, were \$151,818 in 2022, \$87,288 in 2021 and \$59,360 in 2020.

Deferred Taxes

Significant components of deferred tax assets and liabilities at December 31, 2022 and 2021, were as follows:

	December 31,	
	2022	2021
Deferred tax assets:		
Tax loss and credit carry-forwards	\$ 44,674	\$ 46,967
Inventory	937	1,929
Other accruals	29,601	13,395
Research and development capitalization	26,982	—
Employee benefits	26,674	25,741
Pension obligations	6,218	9,760
Other	7,344	5,073
Deferred tax assets, gross	142,430	102,865
Valuation allowance	(44,627)	(51,983)
Deferred tax assets, net	97,803	50,882
Deferred tax liabilities:		
Property, plant and equipment	40,198	40,422
Intangible assets	23,790	18,253
Inventory	3,846	3,716
Pension and other benefit liabilities	13,787	16,397
Other	10,393	10,494
Deferred tax liabilities	92,014	89,282
Total deferred taxes	\$ 5,789	\$ (38,400)

At December 31, 2022, certain subsidiaries had net operating loss carry-forwards of approximately \$6,995 that expire in various years from 2023 through 2036, plus \$157,288 for which there is no expiration date.

In assessing the realizability of deferred tax assets, the Company assesses whether it is more-likely-than-not that a portion or all of the deferred tax assets will not be realized. The Company considers the scheduled reversal of deferred tax liabilities, tax planning strategies and projected future taxable income in making this assessment. At December 31, 2022, a valuation allowance of \$44,627 was recorded against certain deferred tax assets based on this assessment. The Company believes it is more-likely-than-not that the tax benefit of the remaining net deferred tax assets will be realized. The amount of net deferred tax assets considered realizable could be increased or reduced in the future if the Company's assessment of future taxable income or tax planning strategies changes.

The Company determined it will repatriate earnings for certain non-U.S. subsidiaries, which are subject to foreign withholding taxes. The Company has estimated the associated tax to be \$75. The Company considers remaining earnings and outside basis in all other non-U.S. subsidiaries to be indefinitely reinvested and has not recorded any deferred taxes as such estimate is not practicable.

Unrecognized Tax Benefits

Liabilities for unrecognized tax benefits related to uncertain tax positions are classified as Other liabilities unless expected to be paid in one year. Additionally, to the extent a position would not result in a cash tax liability, those amounts are generally recorded to Deferred income taxes to offset tax attributes. The Company recognizes interest and penalties related to unrecognized tax benefits in Income taxes. Current income tax expense included benefits of \$486 for the year ended December 31, 2022 and benefits of \$485 for the year ended December 31, 2021 for interest and penalties. For those same years, the Company's accrual for interest and penalties related to unrecognized tax benefits totaled \$2,292 and \$3,209, respectively.

The following table summarizes the activity related to unrecognized tax benefits:

	2022	2021
Balance at beginning of year	\$ 18,211	\$ 17,596
Increase related to current year tax provisions	2,263	2,693
Increase/(decrease) related to prior years' tax positions	91	(17)
Decrease related to settlements with taxing authorities	(868)	—
Resolution of and other decreases in prior years' tax liabilities	(1,379)	(1,585)
Other	(895)	(476)
Balance at end of year	<u>\$ 17,423</u>	<u>\$ 18,211</u>

The total amount of unrecognized tax benefits that, if recognized, would affect the effective tax rate was \$14,504 at December 31, 2022 and \$14,918 at December 31, 2021.

The Company files income tax returns in the U.S. and various state, local and foreign jurisdictions. With few exceptions, the Company is no longer subject to U.S. federal, state and local or non-U.S. income tax examinations by tax authorities for years before 2018. The Company is currently subject to various state audits and non-U.S. income tax audits. The Company is generally not able to precisely estimate the ultimate settlement amounts or timing until after the close of an audit. The Company evaluates its tax positions and establishes liabilities for unrecognized tax benefits related to uncertain tax positions that may be challenged by local authorities and may not be fully sustained.

Unrecognized tax benefits are reviewed on an ongoing basis and are adjusted for changing facts and circumstances, including management's judgment in the interpretation of applicable tax law, regulation or tax ruling, the progress of tax audits and closing of statutes of limitations. Based on information currently available, management believes that additional audit activity could be completed and/or statutes of limitations may close relating to existing unrecognized tax benefits. It is reasonably possible there could be a further reduction of \$1,279 in prior years' unrecognized tax benefits in 2023.

NOTE 14 – DERIVATIVES

The Company uses derivative instruments to manage exposures to currency exchange rates, interest rates and commodity prices arising in the normal course of business. Both at inception and on an ongoing basis, the derivative instruments that qualify for hedge accounting are assessed as to their effectiveness, when applicable. Hedge ineffectiveness was immaterial for each of the three years in the period ended December 31, 2022.

The Company is subject to the credit risk of the counterparties to derivative instruments. Counterparties include a number of major banks and financial institutions. None of the concentrations of risk with any individual counterparty was considered significant at December 31, 2022. The Company does not expect any counterparties to fail to meet their obligations.

Cash flow hedges

Certain foreign currency forward contracts are qualified and designated as cash flow hedges. The dollar equivalent gross notional amount of these short-term contracts was \$66,296 at December 31, 2022 and \$72,630 at December 31, 2021.

The Company has interest rate forward starting swap agreements that are qualified and designated as cash flow hedges. The dollar equivalent gross notional amount of the long-term contracts was \$100,000 at December 31, 2022 and 2021 and have a termination date of August 2025.

The Company has commodity contracts with a notional amount of 875,000 pounds at December 31, 2022 that are qualified and designated as cash flow hedges.

Fair value hedges

Certain interest rate swap agreements are qualified and designated as fair value hedges. At December 31, 2022, the Company had no interest rate swap agreements outstanding. The Company terminated \$50,000 of interest rate swaps in the year ended December 31, 2020, which resulted in a gain of \$6,629 that is amortized to interest expense over the remaining life of the underlying debt.

Net investment hedges

The Company has held cross currency swaps that are qualified and designated as net investment hedges. The dollar equivalent gross notional amount of these contracts was \$0 and \$25,000, respectively, as of December 31, 2022 and 2021.

The Company has foreign currency forward contracts that qualify and are designated as net investment hedges. The dollar equivalent gross notional amount of these short-term contracts was \$88,843 at December 31, 2022.

Derivatives not designated as hedging instruments

The Company has certain foreign exchange forward contracts which are not designated as hedges. These derivatives are held as hedges of certain balance sheet exposures. The dollar equivalent gross notional amount of these contracts was \$380,443 at December 31, 2022 and \$301,685 at December 31, 2021.

Fair values of derivative instruments in the Company's Consolidated Balance Sheets follow:

	December 31, 2022				December 31, 2021			
	Other Current Assets	Other Current Liabilities	Other Assets	Other Liabilities	Other Current Assets	Other Current Liabilities	Other Assets	Other Liabilities
Derivatives by hedge designation								
Designated as hedging instruments:								
Foreign exchange contracts	\$ 1,467	\$ 738	\$ —	\$ —	\$ 772	\$ 535	\$ —	\$ —
Forward starting swap agreements	—	—	19,291	—	—	—	6,990	—
Net investment contracts	—	2,229	—	—	2,095	—	—	608
Commodity contracts	181	33	—	—	311	—	—	—
Not designated as hedging instruments:								
Foreign exchange contracts	2,348	790	—	—	4,656	3,445	—	—
Total derivatives	\$ 3,996	\$ 3,790	\$ 19,291	\$ —	\$ 7,834	\$ 3,980	\$ 6,990	\$ 608

The effects of undesignated derivative instruments on the Company's Consolidated Statements of Income consisted of the following:

Derivatives by hedge designation	Classification of gain (loss)	Year Ended December 31,	
		2022	2021
Not designated as hedges:			
Foreign exchange contracts	Selling, general & administrative expenses	\$ 4,805	\$ 7,707

The effects of designated cash flow hedges on AOCI and the Company's Consolidated Statements of Income consisted of the following:

Total gain (loss) recognized in AOCI, net of tax	December 31, 2022	December 31, 2021
Foreign exchange contracts	\$ 627	\$ 284
Forward starting swap agreements	13,191	5,232
Net investment contracts	9,440	2,339
Commodity contracts	91	239

The Company expects a gain of \$718 related to existing contracts to be reclassified from AOCI, net of tax, to earnings over the next 12 months as the hedged transactions are realized.

Derivative type	Gain (loss) recognized in the Consolidated Statements of Income:	Year Ended December 31,	
		2022	2021
Foreign exchange contracts	Sales	\$ 962	\$ 2,224
	Cost of goods sold	1,906	586
Commodity contracts	Cost of goods sold	(169)	—

NOTE 15 – FAIR VALUE

The following table provides a summary of fair value assets and liabilities as of December 31, 2022 measured at fair value on a recurring basis:

Description	Balance as of December 31, 2022	Quoted Prices in Active Markets for Identical Assets or Liabilities (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Assets:				
Foreign exchange contracts	\$ 3,815	\$ —	\$ 3,815	\$ —
Commodity contracts	181	—	181	—
Forward starting swap agreements	19,291	—	19,291	—
Pension surplus	56,418	56,418	—	—
Total assets	\$ 79,705	\$ 56,418	\$ 23,287	\$ —
Liabilities:				
Foreign exchange contracts	\$ 1,528	\$ —	\$ 1,528	\$ —
Net investment contracts	2,229	—	2,229	—
Commodity contracts	33	—	33	—
Deferred compensation	39,090	—	39,090	—
Total liabilities	\$ 42,880	\$ —	\$ 42,880	\$ —

[Table of Contents](#)

The following table provides a summary of fair value assets and liabilities as of December 31, 2021 measured at fair value on a recurring basis:

Description	Balance as of December 31, 2021	Quoted Prices in Active Markets for Identical Assets or Liabilities (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Assets:				
Foreign exchange contracts	\$ 5,428	\$ —	\$ 5,428	\$ —
Net investment contracts	2,095	—	2,095	—
Commodity Contracts	311	—	311	—
Forward starting swap agreements	6,990	—	6,990	—
Total assets	<u>\$ 14,824</u>	<u>\$ —</u>	<u>\$ 14,824</u>	<u>\$ —</u>
Liabilities:				
Foreign exchange contracts	\$ 3,980	\$ —	\$ 3,980	\$ —
Net investment contracts	608	—	608	—
Deferred compensation	41,612	—	41,612	—
Total liabilities	<u>\$ 46,200</u>	<u>\$ —</u>	<u>\$ 46,200</u>	<u>\$ —</u>

The Company's derivative contracts are valued at fair value using the market approach. The Company measures the fair value of foreign exchange contracts, interest rate swap agreements, forward starting swap agreements and cross currency swaps using Level 2 inputs based on observable spot and forward rates in active markets. During the year ended December 31, 2022, there were no transfers between Levels 1, 2 or 3.

The deferred compensation liability is the Company's obligation under its executive deferred compensation plan. The Company measures the fair value of the liability using the market values of the participants' underlying investment fund elections.

The fair value of the Company's pension surplus assets are based on quoted market prices in active markets and are included in the Level 1 fair value hierarchy. The pension surplus assets are invested in money market and short-term duration bond funds at December 31, 2022.

The Company has various financial instruments, including cash and cash equivalents, short and long-term debt and forward contracts. While these financial instruments are subject to concentrations of credit risk, the Company has minimized this risk by entering into arrangements with a number of major banks and financial institutions and investing in several high-quality instruments. The Company does not expect any counterparties to fail to meet their obligations. The fair value of Cash and cash equivalents, Accounts receivable, Amounts due banks and Trade accounts payable approximated book value due to the short-term nature of these instruments at both December 31, 2022 and December 31, 2021. Refer to Note 9 to the consolidated financial statements for the fair value estimate of debt.

NOTE 16 – INVENTORY

Inventories in the Consolidated Balance Sheet is comprised of the following components:

	December 31, 2022	December 31, 2021
Raw materials	\$ 181,076	\$ 143,394
Work-in-process	164,778	97,834
Finished goods	319,597	298,691
Total	<u>\$ 665,451</u>	<u>\$ 539,919</u>

The valuation of LIFO inventories is made at the end of each year based on inventory levels and costs at that time. Accordingly, interim LIFO calculations are based on management's estimates of expected year-end inventory levels and costs. Actual year-end inventory levels and costs may differ from interim LIFO inventory valuations. At December 31,

2022 and 2021, approximately 38% and 36% of total inventories, respectively, were valued using the LIFO method. The excess of current cost over LIFO cost was \$133,909 at December 31, 2022 and \$114,176 at December 31, 2021.

NOTE 17 – LEASES

The table below summarizes the right-of-use assets and lease liabilities in the Company's Consolidated Balance sheets:

Operating Leases	Balance Sheet Classification	December 31, 2022	December 31, 2021
Right-of-use assets	Other assets	\$ 44,810	\$ 47,966
Current liabilities	Other current liabilities	\$ 10,378	\$ 10,218
Noncurrent liabilities	Other liabilities	35,945	38,960
Total lease liabilities		\$ 46,323	\$ 49,178

Total lease expense, which is included in Cost of goods sold and Selling, general and administrative expenses in the Company's Consolidated Statements of Income, was \$20,548, \$21,630 and \$23,499 in the years ended December 31, 2022, 2021 and 2020, respectively. Cash paid for amounts included in the measurement of lease liabilities for the years ended December 31, 2022 and 2021 was \$12,036 and \$15,723, respectively, are included in Net cash provided by operating activities in the Company's Consolidated Statements of Cash Flows. Right-of-use assets obtained in exchange for operating lease liabilities during the years ended December 31, 2022 and 2021 were \$9,332 and \$12,257, respectively.

The total future minimum lease payments for noncancelable operating leases were as follows:

	December 31, 2022
2023	\$ 11,342
2024	9,911
2025	6,677
2026	5,417
2027	3,893
After 2027	14,558
Total lease payments	\$ 51,798
Less: Imputed interest	5,475
Operating lease liabilities	\$ 46,323

As of December 31, 2022 and 2021, the weighted average remaining lease term was 7.8 years and 8.6 years, respectively. As of December 31, 2022 and 2021, the weighted average discount rate used to determine the operating lease liability was 2.96% and 3.1%, respectively.

NOTE 18 – CONTINGENCIES

The Company, like other manufacturers, is subject from time to time to a variety of civil and administrative proceedings arising in the ordinary course of business. Such claims and litigation include, without limitation, product liability claims, regulatory claims, employment-related claims and health, safety and environmental claims, some of which relate to cases alleging asbestos induced illnesses. The claimants in the asbestos cases seek compensatory and punitive damages, in most cases for unspecified amounts. The Company believes it has meritorious defenses to these claims and intends to contest such suits vigorously.

The Company accrues its best estimate of the probable costs, after a review of the facts with management and counsel and taking into account past experience. For claims or litigation that are material, if an unfavorable outcome is determined to be reasonably possible and the amount of loss can be reasonably estimated, or if an unfavorable outcome is determined to be probable and the amount of loss cannot be reasonably estimated, disclosure would be provided. Many of the current cases are in differing procedural stages and information on the circumstances of each claimant,

which forms the basis for judgments as to the validity or ultimate disposition of such actions, varies greatly. Therefore, in many situations a range of possible losses cannot be made. Reserves are adjusted as facts and circumstances change and related management assessments of the underlying merits and the likelihood of outcomes change. Moreover, reserves only cover identified and/or asserted claims. Future claims could, therefore, give rise to increases to such reserves.

Based on the Company's historical experience in litigating product liability claims, including a significant number of dismissals, summary judgments and defense verdicts in many cases and immaterial settlement amounts, as well as the Company's current assessment of the underlying merits of the claims and applicable insurance, the Company believes resolution of these claims and proceedings, individually or in the aggregate, will not have a material effect on the Company's consolidated financial statements.

SCHEDULE II – VALUATION AND QUALIFYING ACCOUNTS
LINCOLN ELECTRIC HOLDINGS, INC.
(In thousands)

Description	Balance at Beginning Of period	Additions		Deductions ⁽²⁾	Balance at End of Period
		Charged to Costs and Expenses	Charged (Credited) to Other Accounts ⁽¹⁾		
Allowance for doubtful accounts:					
Year Ended December 31, 2022	\$ 11,105	\$ 1,778	\$ 598	\$ 925	\$ 12,556
Year Ended December 31, 2021	14,779	718	(2,491)	1,901	11,105
Year Ended December 31, 2020	16,002	1,391	(1,239)	1,375	14,779
Deferred tax asset valuation allowance:					
Year Ended December 31, 2022	\$ 55,619	\$ 2,262	\$ (5,197)	\$ 8,057	\$ 44,627
Year Ended December 31, 2021	65,413	1,147	(3,873)	7,068	55,619
Year Ended December 31, 2020	71,546	9,606	(6,741)	8,998	65,413

- (1) Currency translation adjustment, reductions from restructuring and other adjustments.
- (2) For the Allowance for doubtful accounts, deductions relate to uncollectible accounts written-off, net of recoveries. For the Deferred tax asset valuation allowance, deductions relate to the reversal of valuation allowances due to the realization of net operating loss carryforwards.

[Table of Contents](#)

QuickLinks

ITEM 1.	BUSINESS	1
ITEM 1A.	RISK FACTORS	5
ITEM 1B.	UNRESOLVED STAFF COMMENTS	12
ITEM 1C.	INFORMATION ABOUT OUR EXECUTIVE OFFICERS	13
ITEM 2.	PROPERTIES	13
ITEM 3.	LEGAL PROCEEDINGS	15
ITEM 4.	MINE SAFETY DISCLOSURES	15
ITEM 5.	MARKET FOR REGISTRANT'S COMMON EQUITY, RELATED STOCKHOLDER MATTERS AND ISSUER PURCHASES OF EQUITY SECURITIES	15
ITEM 6.	SELECTED FINANCIAL DATA (Dollars in thousands, except per share amounts)	16
ITEM 7.	MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS (Dollars in thousands, except per share amounts)	16
ITEM 7A.	QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK (Dollars in thousands, except per share amounts)	32
ITEM 8.	FINANCIAL STATEMENTS AND SUPPLEMENTARY DATA	33
ITEM 9.	CHANGES IN AND DISAGREEMENTS WITH ACCOUNTANTS ON ACCOUNTING AND FINANCIAL DISCLOSURES	33
ITEM 9A.	CONTROLS AND PROCEDURES	33
ITEM 9B.	OTHER INFORMATION	34
ITEM 9C.	DISCLOSURE REGARDING FOREIGN JURISDICTIONS THAT PREVENT INSPECTIONS	34
ITEM 10.	DIRECTORS, EXECUTIVE OFFICERS AND CORPORATE GOVERNANCE	34
ITEM 11.	EXECUTIVE COMPENSATION	34
ITEM 12.	SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT AND RELATED STOCKHOLDER MATTERS	34
ITEM 13.	CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS, AND DIRECTOR INDEPENDENCE	35
ITEM 14.	PRINCIPAL ACCOUNTANT FEES AND SERVICES	35
ITEM 15.	EXHIBITS AND FINANCIAL STATEMENT SCHEDULES	35
ITEM 16.	FORM 10-K SUMMARY	40
SIGNATURES		41
Report of Independent Registered Public Accounting Firm		F-1
Report of Independent Registered Public Accounting Firm		F-3
LINCOLN ELECTRIC HOLDINGS, INC. CONSOLIDATED BALANCE SHEETS (Dollars in thousands)		F-7
LINCOLN ELECTRIC HOLDINGS, INC. CONSOLIDATED STATEMENTS OF INCOME (In thousands, except per share amounts)		F-5
LINCOLN ELECTRIC HOLDINGS, INC. CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME (In thousands, except per share amounts)		F-6
LINCOLN ELECTRIC HOLDINGS, INC. CONSOLIDATED STATEMENTS OF EQUITY (In thousands, except per share amounts)		F-8
LINCOLN ELECTRIC HOLDINGS, INC. CONSOLIDATED STATEMENTS OF CASH FLOWS (In thousands)		F-9
LINCOLN ELECTRIC HOLDINGS, INC. NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Dollars in thousands, except share and per share amounts)		F-10
SCHEDULE II – VALUATION AND QUALIFYING ACCOUNTS LINCOLN ELECTRIC HOLDINGS, INC. (In thousands)		F-43

[Non-Employee Directors– 2022]

LINCOLN ELECTRIC HOLDINGS, INC.

2015 STOCK PLAN FOR NON-EMPLOYEE DIRECTORS

Restricted Stock Unit Agreement

WHEREAS, Lincoln Electric Holdings, Inc. maintains the Company's 2015 Stock Plan for Non-Employee Directors, as amended by the First Amendment thereto, and as may be further amended from time to time (the "Plan"), pursuant to which the Company may award Restricted Stock Units ("RSUs") to non-employee Directors of the Company;

WHEREAS, the Grantee, whose name is set forth on the "Dashboard" tab on the Morgan Stanley StockPlan Connect portal, a secure third-party vendor website used by the Company (to be referred to herein as the "Grant Summary"), is a non-employee Director of the Company;

WHEREAS, the Grantee was awarded RSUs under the Plan by the Nominating and Corporate Governance Committee (the "Committee") of the Board of Directors (the "Board") of the Company on the Date of Grant in 2022, as set forth on the Grant Summary (the "Date of Grant"), and the execution of an Evidence of Award in the form hereof (this "Agreement") has been authorized by a resolution of the Committee duly adopted on such date.

NOW, THEREFORE, pursuant to the Plan and subject to the terms and conditions thereof and the terms and conditions hereinafter set forth, the Company hereby confirms to the Grantee the award of the number of RSUs set forth on the Grant Summary.

1. **Definitions.** Unless otherwise defined in this Agreement (including on Exhibit A hereto), terms used in this Agreement with initial capital letters will have the meanings assigned to them in the Plan. Certain terms used herein with initial capital letters will have the meanings set forth on Exhibit A hereto.
 2. **Issuance of RSUs.** The RSUs covered by this Agreement shall be issued to the Grantee effective upon the Date of Grant. Each RSU constitutes the right of the Grantee to receive one Common Share (and dividend equivalents with respect thereto) (or to have one Common Share (and dividend equivalents with respect thereto) credited to Grantee's account under the Deferred Compensation Plan, if elected) upon the Grantee's Distribution Date. The Grantee shall not have the rights of a shareholder with respect to such RSUs, except as provided in Section 9, provided that such RSUs, together with any additional RSUs that the Grantee may become entitled to receive by virtue of a share dividend, a merger or a reorganization in which Lincoln Electric Holdings, Inc. is the surviving corporation or any other change in the capital structure of Lincoln Electric Holdings, Inc., shall be subject to the restrictions hereinafter set forth.
 3. **Restrictions on Transfer of RSUs.** Subject to Section 14 of the Plan, the RSUs subject to this grant may not be sold, exchanged, assigned, transferred, pledged, encumbered or otherwise disposed of by the Grantee, except to the Company, until the Distribution Date;
-

provided, however, that the Grantee's rights with respect to such RSUs may be transferred by will or pursuant to the laws of descent and distribution. Any purported transfer or encumbrance in violation of the provisions of this Section 3 shall be void, and the other party to any such purported transaction shall not obtain any rights to or interest in such RSUs or the underlying Common Shares or dividend equivalents. The Company in its sole discretion, when and as permitted by the Plan, may waive the restrictions on transferability with respect to all or a portion of the RSUs subject to this Agreement.

4. Vesting of RSUs. Subject to the terms and conditions of Sections 5 and 6 hereof, all of the RSUs covered by this Agreement shall vest immediately after one full year from the Date of Grant if the Grantee shall have served continuously as a Director for that entire period.
 5. Effect of Change in Control. In the event a Change in Control occurs after the Date of Grant but before the RSUs covered by the Agreement vest pursuant to Section 4 or 6 of this Agreement, the vesting provisions set forth in this Section 5 shall apply in addition to those set forth in Sections 4 and 6 of this Agreement:
 - (a) If (i) a Replacement Award is not provided to the Grantee to replace, adjust or continue the award of RSUs covered by this Agreement (the "Replaced Award"), and (ii) the Grantee serves as an Eligible Director of the Company throughout the period beginning on the Date of Grant and ending on the date of the Change in Control, the RSUs covered by this Agreement will vest in full immediately prior to the Change in Control.
 - (b) If a Replacement Award is provided, references to RSUs in this Agreement shall be deemed to refer to the Replacement Award after the Change in Control.
 - (c) If a Replacement Award is provided to the Grantee to replace, adjust or continue the award of RSUs covered by this Agreement, and if, upon or after receiving the Replacement Award, the Grantee experiences a termination of service as an Eligible Director of the Company by reason of the Company terminating Grantee's service as a Director of the Company other than for Cause after the Change in Control and during the remaining vesting period for the Replacement Award, the Replacement Award shall immediately vest in full upon such termination.
 6. Effect of Death, Disability, or Retirement; Forfeiture.
 - (a) If the Grantee's service as a Director of the Company should terminate because of the Grantee's death or if the Grantee should incur a Disability prior to the vesting otherwise provided for in Section 4, 5, or 6 hereof, the RSUs subject to this Agreement shall immediately vest in full.
 - (b) If the Grantee's service as a Director of the Company should terminate because of the Grantee's Retirement, prior to the vesting otherwise provided for in Section 4, 5, or 6 hereof, a *pro rata* portion of the RSUs subject to this Agreement shall immediately vest. The *pro rata* portion that shall vest shall be determined by multiplying the total number of RSUs subject to this Agreement by the number of days the Grantee has served as a Director of the Company from the Date of Grant
-

through the date of Retirement, divided by the number of days from the Date of Grant to the date the RSUs would have vested under Section 4 hereof if the Grantee had remained a Director of the Company through such date (rounded down to the nearest whole Common Share). Any RSUs that remain unvested in connection with Grantee's Retirement will be forfeited.

- (c) Upon the termination of the Grantee's service as a Director of the Company, all RSUs that have not become vested prior to or at the time of such termination shall be forfeited.
- 7. Time of Payment of RSUs. Payment of the RSUs shall be made within 60 days of the date on which such RSUs become vested and in all events within the short-term deferral period specified in Treasury Regulation § 1.409A-1(b)(4).
 - 8. Deferral of RSUs. The Grantee may elect to defer receipt of the Common Shares underlying the RSUs subject to this Agreement beyond the Distribution Date (and to defer the dividend equivalents with respect thereto), pursuant to and in accordance with the terms of the Deferred Compensation Plan.
 - 9. Dividend Equivalents and Other Rights.
 - (a) Except as provided in this Section, the Grantee shall not have any of the rights of a shareholder with respect to the RSUs covered by this Agreement; provided, however, that any additional Common Shares, share rights or other securities that the Grantee may become entitled to receive pursuant to a stock dividend, stock split, combination of shares, recapitalization, merger, consolidation, separation or reorganization or any other change in the capital structure of the Company shall be subject to the same restrictions as the RSUs covered by this Agreement.
 - (b) The Grantee shall have the right to receive dividend equivalents with respect to the Common Shares underlying the RSUs. Such dividend equivalents shall be paid to the Grantee in the form of cash (or credited to the Grantee's account under the Deferred Compensation Plan, if elected) on the date of payment of such dividends by the Company.
 - (c) The Grantee will not be entitled to vote the Common Shares underlying the RSUs until the Grantee receives such Common Shares on or after the Distribution Date.
 - (d) Notwithstanding anything to the contrary in this Section 9, to the extent that any of the RSUs become vested pursuant to this Agreement and the Grantee elects pursuant to Section 8 to defer receipt of the Common Shares underlying the RSUs beyond the Distribution Date (and dividend equivalents with respect thereto) in accordance with the terms of the Deferred Compensation Plan, then the right to receive dividend equivalents thereafter will be governed by the Deferred Compensation Plan from and after the Distribution Date.
 - 10. No Right to Continued Service. The Plan and this Agreement will not confer upon the Grantee any right with respect to the continuance of service as a Director of the Company.
-

11. Agreement Subject to the Plan. The RSUs evidenced by this Agreement and all of the terms and conditions hereof are subject to all of the terms and conditions of the Plan. In the event of any inconsistency between this Agreement and the Plan, the terms of the Plan will govern.
 12. Amendments. Any amendment to the Plan shall be deemed to be an amendment to this Agreement to the extent that the amendment is applicable hereto; provided, however, that subject to Section 10 of the Plan and Section 15 of this Agreement, no such amendment shall adversely affect the rights of the Grantee with respect to the RSUs without the Grantee's consent.
 13. Severability. In the event that one or more of the provisions of this Agreement shall be invalidated for any reason by a court of competent jurisdiction, any provision so invalidated will be deemed to be separable from the other provisions hereof, and the remaining provisions hereof will continue to be valid and fully enforceable.
 14. Governing Law/Venue. This Agreement is made under, and will be construed in accordance with, the internal substantive laws of the State of Ohio. All legal actions or proceedings relating to this Agreement shall be brought exclusively in the U.S. District Court for the Northern District of Ohio, Eastern Division or the Cuyahoga County Court of Common Pleas, located in Cuyahoga County, Ohio.
 15. RSUs Subject to the Company's Recovery of Funds Policy. Notwithstanding anything in this Agreement to the contrary, (a) the RSUs covered by this Agreement shall be subject to the Company's Recovery of Funds Policy (or similar clawback policy), as it may be in effect from time to time, including, without limitation, to implement Section 10D of the Exchange Act and any applicable rules or regulations issued by the U.S. Securities and Exchange Commission or any national securities exchange or national securities association on which the Common Shares may be traded (the "Compensation Recovery Policy"), and (b) the Grantee acknowledges and agrees that any and all applicable provisions of this Agreement shall be deemed superseded by and subject to the terms and conditions of the Compensation Recovery Policy from and after the effective date thereof.
 16. Code Section 409A. To the extent applicable, it is intended that this Agreement be designed and operated within the requirements of Section 409A of the Code (including any applicable exemptions) and, in the event of any inconsistency between any provision of this Agreement or the Plan and Section 409A of the Code, the provisions of Section 409A of the Code shall control. Any provision in the Plan or this Agreement that is determined to violate the requirements of Section 409A of the Code shall be void and without effect until amended to comply with Section 409A of the Code (which amendment may be retroactive to the extent permitted by Section 409A of the Code and may be made by the Company without the consent of the Grantee). Any provision that is required by Section 409A of the Code to appear in the Agreement that is not expressly set forth herein shall be deemed to be set forth herein, and the Agreement shall be administered in all respects as if such provision was expressly set forth herein. Any reference in the Agreement to Section 409A of the Code or a Treasury Regulation section shall be deemed to include any similar or successor provisions thereto.
-

17. Electronic Delivery. The Company may, in its sole discretion, deliver any documents related to the RSUs and Grantee's participation in the Plan, or future awards that may be granted under the Plan, by electronic means or request Grantee's consent to participate in the Plan by electronic means. Grantee hereby consents to receive such documents by electronic delivery and, if requested, agrees to participate in the Plan through an on-line or electronic system established and maintained by the Company or another third party designated by the Company.

The Grantee hereby acknowledges receipt of this Agreement and accepts the RSUs evidenced hereby subject to the terms and conditions of the Plan and the terms and conditions herein above set forth and represents that he or she understands the acceptance of this Agreement through an on-line or electronic system, if applicable, carries the same legal significance as if he or she manually signed this Agreement.

THIS AGREEMENT is executed in the name and on behalf of the Company on the Date of Grant as set forth in the Grant Summary.

LINCOLN ELECTRIC HOLDINGS, INC.

[INSERT SIGNATURE]

Name:

Title:

EXHIBIT A

For purposes of this Agreement, the following terms shall have the following meanings:

1. “Cause”: A termination for “Cause” shall mean that, prior to termination of service as a Director of the Company, the Grantee shall have:
 - (a) committed a criminal violation involving fraud, embezzlement or theft in connection with the Grantee’s duties or in the course of the Grantee’s service as a Director;
 - (b) committed an intentional violation of the Lincoln Electric Code of Corporate Conduct and Ethics, or any successor document;
 - (c) committed intentional wrongful damage to property of the Company;
 - (d) committed intentional wrongful disclosure of secret processes or confidential information of the Company or any Company subsidiary; or
 - (e) committed intentional wrongful engagement in any of the activities set forth in any confidentiality, non-competition or non-solicitation arrangement with the Company or any Company subsidiary to which the Grantee is a party;and, in each case, any such act shall have been demonstrably and materially harmful (including financially or reputationally harmful) to the Company. For purposes of this Agreement, no act or failure to act on the part of the Grantee will be deemed “intentional” if it was due primarily to an error in judgment or negligence, but will be deemed “intentional” only if done or omitted to be done by the Grantee not in good faith and without reasonable belief that the Grantee’s action or omission was in the best interest of the Company.
 2. “Deferred Compensation Plan” means the Lincoln Electric Holdings, Inc. Non-Employee Directors’ Deferred Compensation Plan, in effect from time to time.
 3. “Disability” means the Grantee is unable to engage in any substantial gainful activity by reason of any medically determinable physical or mental impairment that can be expected to result in death or can be expected to last for a continuous period of not less than 12 months.
 4. “Distribution Date” means the date on which the Common Shares represented by vested RSUs shall be distributed to the Grantee as specified in Section 7 (or would have been so distributed absent an election under the Deferred Compensation Plan).
 5. “Incumbent Directors”: For purposes of applying the definition of Change in Control in the Plan, “Incumbent Directors” means the individuals who, as of the Effective Date, are
-

Directors and any individual becoming a Director subsequent to the Effective Date whose election, nomination for election by the Company's shareholders, or appointment, was approved by a vote of at least two-thirds of the then Incumbent Directors (either by a specific vote or by approval of the proxy statement of the Company in which such person is named as a nominee for director, without objection to such nomination); provided, however, that an individual will not be an Incumbent Director if such individual's election or appointment to the Board occurs as a result of (including the settlement of) an actual or threatened election contest (as described in Rule 14a-12(c) of the Exchange Act) with respect to the election or removal of Directors or other actual or threatened solicitation of proxies or consents by or on behalf of a Person other than the Board.

6. "Replacement Award" means an award: (a) of the same type (e.g., time-based restricted stock units) as the Replaced Award; (b) that has a value at least equal to the value of the Replaced Award; (c) that relates to publicly traded equity securities of the Company or another entity that is affiliated with the Company following the Change in Control; (d) if the Grantee holding the Replaced Award is subject to U.S. federal income tax under the Code, the tax consequences of which to such Grantee under the Code are not less favorable to such Grantee than the tax consequences of the Replaced Award; and (e) the other terms and conditions of which are not less favorable to the Grantee holding the Replaced Award than the terms and conditions of the Replaced Award (including the provisions that would apply in the event of a subsequent Change in Control). A Replacement Award may be granted only to the extent it does not result in the Replaced Award or Replacement Award failing to comply with or be exempt from Section 409A of the Code. Without limiting the generality of the foregoing, the Replacement Award may take the form of a continuation of the Replaced Award if the requirements of the two preceding sentences are satisfied. The determination of whether the conditions of this Exhibit A, Section 6 are satisfied will be made by the Committee, as constituted immediately before the Change in Control, in its sole discretion.
-

LINCOLN ELECTRIC HOLDINGS, INC.
SUBSIDIARIES OF THE REGISTRANT

The Company's subsidiaries and joint ventures are listed in the following table:

Name	Country of Incorporation
16280 23 Mile, LLC	United States
A. B. Arriendos S.A.	Chile
Claremont IC	United States
Ductil SA	Romania
Europaische Holding Intercito GmbH	Switzerland
Fori Asia Holdings Co., Limited	Hong Kong
Fori Automation de Mexico S. de R.L. de C.V.	Mexico
Fori Automation do Brasil Automacao Ltda	Brazil
Fori Automation GmbH	Germany
Fori Automation Holding Co., Limited	Hong Kong
Fori Automation India Private Limited	India
Fori Automation, LLC	United States
Fori Automation Real Estate S. de R.L. de C.V.	Mexico
Fori Automation Services S. de R.L. de C.V.	Mexico
Fori Automation S.L.	Spain
Fori Bernd (Beijing) Automation Equipment Co., Limited	China
Fori Korea Ltd.	South Korea
Fori Technologies (Proprietary) Limited	South Africa
Fori UK Limited	United Kingdom
Hangzhou SAF Oerlikon Welding & Cutting Co., LTD. (China)	China
Harris Calorific International Sp. z o.o.	Poland
J.W. Harris Co., Inc.	United States
Kaynak Teknigi Sanayi ve Ticaret A.S.	Turkey
Kestra Universal Soldas, Industria e Comercio Importacao e Exportacao Ltda.	Brazil
LE Torreon BCS, S. de R.L. de C.V.	Mexico
Lincoln Canada Holdings ULC	Canada
Lincoln Electric Automation, Inc.	United States
Lincoln Electric Bester Sp. z o.o.	Poland
Lincoln Electric Company (India) Private Limited	India
Lincoln Electric Company of Canada GP 2 Limited	Canada
Lincoln Electric Company of Canada LP	Canada
Lincoln Electric Cyprus Holdings LLC	United States
Lincoln Electric Cyprus Limited	Cyprus
Lincoln Electric Deutschland GMBH	Germany
Lincoln Electric do Brasil Indústria e Comércio Ltda.	Brazil
Lincoln Electric Dutch Holdings B.V.	The Netherlands
Lincoln Electric Europe B.V.	The Netherlands
Lincoln Electric France S.A.S.	France
Lincoln Electric GmbH	Germany
Lincoln Electric Iberia, S.L.	Spain
Lincoln Electric International Holding Company	United States
Lincoln Electric Italia S.r.l.	Italy

Name	Country of Incorporation
Lincoln Electric Japan K.K.	Japan
Lincoln Electric Luxembourg Holdings S.ar.l	Luxembourg
Lincoln Electric Luxembourg S.ar.l.	Luxembourg
Lincoln Electric Malaysia SDN BHD	Malaysia
Lincoln Electric Management (Shanghai) Co., Ltd.	China
Lincoln Electric Manufactura, S.A. de C.V.	Mexico
Lincoln Electric Maquinas, S. de R.L. de C.V.	Mexico
Lincoln Electric Mexicana, S.A. de C.V.	Mexico
Lincoln Electric Middle East FZE	United Arab Emirates
Lincoln Electric North America, Inc.	United States
Lincoln Electric Portugal, S.A.	Portugal
Lincoln Electric S.A.	Argentina
Lincoln Electric (Tangshan) Welding Materials Co., Ltd.	China
Lincoln Electric (Thailand) Ltd.	Thailand
Lincoln Electric (U.K.) Ltd.	United Kingdom
Lincoln Electric UK Holdings Limited	United Kingdom
Lincoln Global, Inc.	United States
Lincoln Maquila Principal LLC	United States
Lincoln Maquinas Holdings LLC	United States
Lincoln Mexico Holdings LLC	United States
Lincoln Nanjing Holdings LLC	United States
Lincoln Singapore Holdings LLC	United States
Lincoln Soldaduras de Colombia Ltda.	Colombia
Mezhgosmetiz – Mtsensk (MGM)	Russia
Oerlikon Kaynak Elektrodleri Ve Sanayi Anonim Sirketi	Turkey
Performance Investment Group, LLC	United States
Prime Hold Co., LLC	United States
Prime Investment Group, LLC	United States
Prime Investment Group II, LLC	United States
Prime Investment Group III, LLC	United States
Prime Investment Group IV, LLC	United States
PT Lincoln Electric Indonesia	Indonesia
PT Lincoln Indoweld	Indonesia
Robolution GmbH	Germany
Smart Force, LLC	United States
Specialised Welding Products Pty. Ltd.	Australia
Techalloy, Inc.	United States
Tenwell Development Pte. Ltd.	Singapore
The Lincoln Electric Company	United States
The Lincoln Electric Company (Asia Pacific) Pte. Ltd.	Singapore
The Lincoln Electric Company (Australia) Proprietary Limited	Australia
The Lincoln Electric Company (New Zealand) Limited	New Zealand
The Lincoln Electric Company of South Africa (Pty) Ltd.	South Africa
The Lincoln Electric Welding Technology & Training Center, LLC	United States
The Nanjing Lincoln Electric Co., Ltd.	China
The Shanghai Lincoln Electric Co., Ltd.	China
Weartech International Limited	United Kingdom
Weartech International, Inc.	United States
Welding, Cutting, Tools & Accessories, LLC	United States
WRE III, LLC	United States
WRE IV, LLC	United States
Zeman Bauelemente Produktionsgesellschaft mbH	Austria

Consent of Independent Registered Public Accounting Firm

We consent to the incorporation by reference in the following registration statements:

Form S-8 Registration Statement of Lincoln Electric Holdings, Inc. for The Lincoln Electric Company Employee Savings Plan (Form S-8 Nos. 333-107114 and 333-132036),

Form S-8 Registration Statement of Lincoln Electric Holdings, Inc. (as successor to The Lincoln Electric Company) for The Lincoln Electric Company Employee Savings Plan, including Post-Effective Amendment No. 1 (Form S-8 No. 033-64187),

Form S-8 Registration Statement of Lincoln Electric Holdings, Inc. (as successor to The Lincoln Electric Company) for the 1995 Lincoln Stock Purchase Plan, including Post-Effective Amendment No. 1 (Form S-8 No. 033-64189),

Form S-8 Registration Statement of Lincoln Electric Holdings, Inc. for the 2006 Equity and Performance Incentive Plan (Form S-8 No. 333-134212),

Form S-8 Registration Statement of Lincoln Electric Holdings, Inc. for the 2006 Stock Plan for Non-Employee Directors (Form S-8 No. 333-134210),

Form S-8 Registration Statement of Lincoln Electric Holdings, Inc. for the 2015 Equity and Incentive Compensation Plan (Form S-8 No. 333-203602),

Form S-8 Registration Statement of Lincoln Electric Holdings, Inc. for the 2015 Stock Plan for Non-Employee Directors (Form S-8 No. 333-203603),

Form S-8 Registration Statement of Lincoln Electric Holdings, Inc. for The Lincoln Electric Company Employee Savings Plan (As Amended and restated Effective January 1, 2010), as amended (Form S-8 No. 333-203604), and

Form S-8 Registration Statement of Lincoln Electric Holdings, Inc. for The Lincoln Electric Company Restoration Plan (Form S-8 No. 333-215168);

of our reports dated February 21, 2023, with respect to the consolidated financial statements and schedule of Lincoln Electric Holdings, Inc. and the effectiveness of internal control over financial reporting of Lincoln Electric Holdings, Inc. included in this Annual Report (Form 10-K) of Lincoln Electric Holdings, Inc. for the year ended December 31, 2022.

/s/ Ernst & Young LLP

Cleveland, Ohio
February 21, 2023

POWER OF ATTORNEY

Directors of Lincoln Electric Holdings, Inc.

Each of the undersigned Directors of Lincoln Electric Holdings, Inc. hereby appoints Christopher L. Mapes, Gabriel Bruno and Jennifer I. Ansberry, and each of them, as attorneys for the undersigned, for and in the name, place and stead of the undersigned in the capacity specified, to prepare or cause to be prepared, to execute and to file with the Securities and Exchange Commission under the Securities Exchange Act of 1934, as amended (the "Act"), an Annual Report on Form 10-K for the year ended December 31, 2022 relating to Lincoln Electric Holdings, Inc., such other periodic reports as may be required pursuant to the Act, amendments and exhibits to any of the foregoing and any and all other documents to be filed with the Securities and Exchange Commission or elsewhere pertaining to such reports, with full power and authority to take any other action deemed necessary or appropriate to effect the filing of the documents.

Executed the date set forth below.

/s/ Christopher L. Mapes

Christopher L. Mapes, Director
February 15, 2023

/s/ Curtis E. Espeland

Curtis E. Espeland, Director
February 15, 2023

/s/ Patrick P. Goris

Patrick P. Goris, Director
February 15, 2023

/s/ Ben P. Patel

Ben P. Patel, Director
February 15, 2023

/s/ Michael F. Hilton

Michael F. Hilton, Director
February 15, 2023

/s/ Hellene S. Runtagh

Hellene S. Runtagh, Director
February 15, 2023

/s/ Kathryn Jo Lincoln

Kathryn Jo Lincoln, Director
February 15, 2023

/s/ Brian D. Chambers

Brian D. Chambers, Director
February 15, 2023

/s/ Phillip J. Mason

Phillip J. Mason, Director
February 15, 2023

/s/ Kellye L. Walker

Kellye L. Walker, Director
February 15, 2023

CERTIFICATION

I, Christopher L. Mapes, certify that:

1. I have reviewed this annual report on Form 10-K of Lincoln Electric Holdings, Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: February 21, 2023

/s/ Christopher L. Mapes

Christopher L. Mapes

Chairman, President and Chief Executive Officer

CERTIFICATION

I, Gabriel Bruno, certify that:

1. I have reviewed this annual report on Form 10-K of Lincoln Electric Holdings, Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: February 21, 2023

/s/ Gabriel Bruno

Gabriel Bruno

Executive Vice President, Chief Financial
Officer and Treasurer

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Annual Report on Form 10-K of Lincoln Electric Holdings, Inc. (the "Company") for the year ended December 31, 2022, as filed with the Securities and Exchange Commission (the "Report"), each of the undersigned officers of the Company certifies, pursuant to 18 U.S.C. § 1350, as adopted pursuant to § 906 of the Sarbanes-Oxley Act of 2002, that, to such officer's knowledge:

- (1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company as of the dates and for the periods expressed in the Report.

Date: February 21, 2023

/s/ Christopher L. Mapes

Christopher L. Mapes

Chairman, President and Chief Executive Officer

/s/ Gabriel Bruno

Gabriel Bruno

Executive Vice President, Chief Financial
Officer and Treasurer
