EOS Shows New Fiber Laser Sintering System at EuroMold

EOS Shows New Fiber Laser Sintering System at EuroMold

Frankfurt, December 13, 2004

EOS, the world-wide leading manufacturer of laser-sintering systems for rapid prototyping, rapid tooling and rapid manufacturing, presented at EuroMold 2004 its new product, the EOSINT M 270 laser-sintering system, based on IPG Photonics Corporation's revolutionary fiber laser technology. The EOSINT M 270 laser-sintering system is powered by a 200W single mode Ytterbium fiber laser from IPG Laser for Direct Metal Laser-Sintering (DMLS).

Dr. Michael Shellabear, Product Manager at EOS GmbH, stated "In recent years, DMLS has become an accepted technology for the fast and cost-effective production of injection molds and other tooling, for prototypes and increasingly also for series production tooling. The EOSINT M 270 offers many innovations. The new fiber laser offers an extremely small focus diameter for improved detail resolution and part quality, while the variable focus technology and the fast motors together ensure a very high building speed. The high intensity of the laser energy in combination with the sealed process chamber provides an optimal platform for future material and process developments, especially for building functional prototypes and end products directly in metal."

Dr. Shellabear continued "We have been intensively testing and using the EOSINT M 270 with IPG's fiber laser for more than one year and we are very satisfied with the results. New laser-sintering materials open up new application areas in automotive, medical, consumer and aerospace applications and also in Formula 1 motor sports. The interest in the new laser-sintering machine is very high and we see from the EuroMold fair a strong trend towards these new applications."

About EOS

EOS was founded in 1989 and is today the world leader in laser-sintering. Laser-sintering is the key technology for e-Manufacturing(TM), the fast, flexible and cost-effective production of products, patterns or tools for every phase of the product life cycle directly from electronic data. Innovative companies from many different sectors are using EOSINT laser-sintering systems to accelerate their product development and to optimize their production processes in order to ensure their competitive advantage. EOS is headquartered in Krailling near Munich, Germany and has distribution partners and subsidiaries world-wide. For more information, visit http://www.eos-gmbh.de.

About IPG Photonics Corporation

IPG Photonics Corporation is the global leader in high performance fiber lasers and fiber amplifiers for materials processing, telecommunications, biomedical, airborne, test, research, and other commercial applications. Its proprietary technology, materials science expertise and vertically integrated manufacturing operations enable IPG to produce the world's largest variety of cost-effective, high and low power fiber lasers and amplifiers with superior optical performance, power efficiency and reliability.

The company has its world headquarters in Oxford, Massachusetts and manufacturing facilities and sales operations in Massachusetts, Germany, Russia, Italy, Japan, India and the United Kingdom. For more information, visit http://www.ipgphotonics.com/.

For further information, contact:

Jorg Thieme at 49-2736-4420-27
jthieme@ipgphotonics.com

Bill Shiner at 508-373-1144
bshiner@ipgphotonics.com