



June 21, 2010

Newsletter June 2010

Coherent Presents System Solutions in Laser Material Processing at LASYS in Stuttgart

Cher client,

Again this year Coherent demonstrated its latest products at LASYS in Stuttgart. Every second year, all notable manufacturers of laser systems and system integrators from Europe, meet at this Trade Fair. Coherent displayed products ranging from 350 nm to 10,640 nm featuring different pulse widths from ps to μ s. Many of the system integrators at LASYS displayed their machines with an integrated Coherent solution; for example Kern Laser Systems and Schmoll GmbH showed a Reis robot carrying a Coherent DIAMOND E-150.

Of Great interest to Coherent visitors was our displayed [TALISKER](#), a ps laser system optimised and designed for micro material processing and photovoltaic applications.

Talisker™ is a mode locked laser combining both fibre coupled and free beam technology without any limitation.

Talisker™ consists of a fibre oscillator and a solid state amplifier delivering more than 10 megawatt. At the touch of a button, it can be switched between the available wavelengths of 355 nm, 532 nm and 1064 nm enabling processing of nearly all materials; additionally the system is compact – dimensions of only 1700 x 3900 x 7700 mm.



Furthermore Coherent presented the new [DIAMOND E-1000](#) laser.

The DIAMOND E-1000 is a sealed 1 kW CO₂ laser measuring less than 1500 mm x 500 mm x 400 mm – including its integrated power supply – making it the most compact product available at this power level. With its unique design that includes several high performance features, it is ideally suited for use in space-sensitive applications involving cutting, drilling of paper, plastics, glass, carbon composites, and metals. The Diamond E-1000 requires no external gas supply. The only connection to the laser is a power cord, and this lightweight laser can be easily mounted on to a moving robot arm.



Also met with interest, was the presented Fibre-Delivered Diode Laser, the [HighLight 1000F](#).

In a highly reliable design based on closed-loop cooling, the HighLight™ 1000F offers a flexible, mobile solution for today's industrial applications. The HighLight 1000F is a high brightness system that produces 1 kW of output at 975 nm from a 600 μ m core fibre. The primary applications for the HighLight 1000F are welding, cladding and heat treating of a wide range of metals and alloys. The fibre coupling allows the kW power to be delivered directly to the work piece – either 180° around a part or at angles. The laser system can even be placed up to 50 meters from the application. The compact design makes the HighLight 1000F ideal for robotic applications.



About Coherent, Inc.

Founded in 1966, Coherent, Inc. is a world leader in providing laser-based solutions to the commercial and scientific research markets.

To find out more about Coherent, visit our website at www.coherent.fr
or call 01 69 85 51 45.

Visit Coherent, a world leader in providing laser-based solutions to the commercial and scientific research markets with the largest Laser-Portfolio.

Superior Reliability & Performance

Coherent France, Domaine Technologique de Saclay, 4 rue René Razel, 91892 Orsay cedex
Tel : 01 69 85 51 45 – Fax : 01 69 85 51 46

Cliquez [ici](#) pour vous désinscrire