

Press Release

Synova Unveils Compact Laser-MicroJet Cutting System With up to 5 Axes

The Swiss-based manufacturer of laser cutting systems presents its new LCS 50 at the LASER World of PHOTONICS 2015 in Munich

LAUSANNE, Switzerland, June 16, 2015 – Synova, a provider of advanced laser cutting solutions, is launching its new LCS 50 machine designed for machining diamond tools, gem diamonds, watch components and other small work pieces. The ultra-compact LCS 50 is available in a 3 or 5-axis configuration, offering fast cutting times, easy processing, and high precision cutting, drilling, grooving or slicing.

“The small and cost-efficient LCS 50 complements our already successful LCS 300/150 series. The 3-axis LCS 50-3 is an ideal cutting solution for industrial diamond tools thanks to its micro-meter precision and nano-meter edge quality – at costs that are typical for EDM machines,” explains Dr. Bernold Richerzhagen, CEO and President of Synova. “The LCS 50-5 with two additional torque motor driven rotary axes also allows high-precision 3D ablation for chip breakers, chamfering for K-land edges and diverse clearance angles,” adds Richerzhagen.

All LCS machines incorporate Synova’s unique water jet guided laser technology (Laser MicroJet[®]) that generates a cylindrical laser beam within a hair-thin water jet, resulting in perfectly parallel walls, tight kerf widths, smooth cutting surfaces and sharp edges, free of micro cracks, oxidation, depositions and heat affected zone. The LCS machines are more than hard material slicing devices, they are complete computer numerical control (CNC) systems including CAM software and application-adapted operation interfaces. Customers benefit from Synova’s unique expertise as an industrial micro-machining solutions provider leveraging its knowledge and experience spanning various industries with a common need for high precision and expanded hardware/software capabilities.

Synova will exhibit at the LASER World of PHOTONICS in Munich from 22 to 25 June in Hall A3, stand 101.

To schedule a meeting at the trade show, please send an email to marketing@synova.ch and enter “Photonics 2015 Meeting Request” in the subject line.

About Synova

Synova S.A., founded in 1997 and located in Ecublens near Lausanne, Switzerland, manufactures leading-edge laser cutting systems based on the proprietary water jet guided laser technology (Laser MicroJet[®]). Synova presently has 75 employees including 35 engineers who primarily concentrate on the research of revolutionary material cutting processes, new applications and laser cutting equipment. For further information about Synova S.A., visit our website at www.synova.ch.

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