

Press Release

Synova Adds Comprehensive Software Package to its 5-Axis LCS 50 for Automatic Diamond Tool Production

The new Laser MicroJet® cutting system incorporates latest technological advances and entirely novel SynovaCut CAD/CAM and HMI

LAUSANNE, Switzerland, August 31, 2016 – Synova, a Swiss-based provider of advanced laser cutting solutions, is presenting its 2nd generation LCS 50 machine at this year's AMB. The compact cost-efficient LCS 50 is available in a 3 or 5-axis configuration and allows machining of diamond tools, watch components, medical devices and other small work pieces. It offers fast cutting, easy processing, and high-precision cutting, drilling, grooving or slicing as well as 3D ablation for chip breakers, chamfering for K-land edges and multiple clearance angles.

The new LCS 50 integrates several technological upgrades, a more powerful laser and the new SynovaCut CAD/CAM module (3D software for creating cutting geometries) together with a modern, smart-phone-like HMI (Human Machine Interface). The complete production interface enables users to define the probing cycle in advance, leaving the automatic execution to the HMI and to subsequently adapt the cut in function of the probing results.

“The stronger automation increases the throughput, ease-of-use and reliability of the entire production process, allowing to reproduce each time the same result and to further improve the cutting quality”, explains Dr. Bernold Richerzhagen, CEO and President of Synova.

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. 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 AMB in Stuttgart from 13 to 17 September 2016 in Hall 6, booth 6D16.

About Synova

Synova S.A., headquartered in Lausanne, Switzerland, manufactures leading-edge laser cutting systems that incorporate the proprietary water jet guided laser technology (Laser MicroJet®) in a true industrial CNC platform. Customers benefit from significant yield and quality improvements in cutting, as well as enhanced capabilities for micro-machining a wide range of materials. For more information, contact us at sales@synova.ch or visit our website at www.synova.ch.

Press Contact:

Aksinja Berger-Paddock
Marketing Manager, Synova S.A.
berger-paddock@synova.ch