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March 2021

With New Projects and Enthusiasm Into 2021

This past year has been tough for all of us, on a personal level but also from an economic point of view for many companies. Despite the difficult context, Synova has been able to attract new projects and sustain its turnover. We sincerely thank you for your trust and support during this period.

Synova has founded a new subsidiary on the former factory premises of Mikron Germany. As of May, more and more LMJ machine platforms will be assembled at Synova GmbH in Rottweil. The LMJ integration, commissioning and acceptance will continue to take place at our headquarters in Switzerland. We are also expanding our production capacities at our headquarters in Duillier by building a new assembly hall by the end of 2021.

If you have questions or would like to discuss a specific project of yours, simply send us a message or ask for a virtual meeting.

Stay healthy and we look forward to hearing from you!

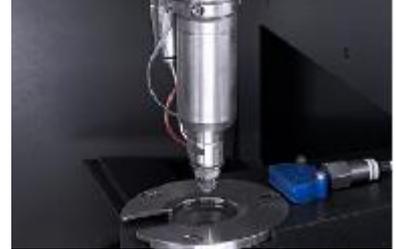
Your Synova team

[Contact us](#)

Towards Industry 4.0

Advanced Sensor Technology for More Reliability & Robustness

Synova has continuously developed process improvements and sensors to make the Laser MicroJet (LMJ) a truly robust manufacturing technology. We have incorporated several automation and sensing packages into our CNC machines allowing easy integration into automated parts production. The **smart factory** functions include automatic breakthrough detection, jet stability control, data logging and processing amongst others.



[Read more](#)

[Artikel lesen \(Konstruktion & Entwicklung\)](#)

LMJ Integration & Licensing

Makino Launches its Luminizer Series with LMJ Technology

Makino Milling Machine, Synova's longterm OEM partner in Japan and leading industrial machine manufacturer, announced its entry into the laser processing machine business. The company recently brought its first laser processing machines LUMINIZER LB300 and LB500 to market in Japan. The ultra-high precision machines with Laser MicroJet technology target microfabrication applications in the semiconductor, aircraft, medical care and cutting tools markets.



PhotonicsViews Magazine

The Story Behind the Water Jet Guided Laser

Who would have thought that the fusion of light and water would result in a new technology capable of machining the hardest of materials at highest precision?

Read the fascinating story of how Bernold Richerzhagen, Synova's founder, demonstrated the feasibility of such a concept for the first time in history in a Swiss laboratory in 1993: "The First Coupling of a Laser Beam to a Water Jet".

[Read article](#)



In the Spotlight

3D Animation of the Laser Machining Center LCS 305

Many exhibitions and professional events have unfortunately been canceled or postponed due to the pandemic. While eagerly waiting to meeting you again in person and discussing your exciting projects, here we present you the first of a series of animation videos about our LMJ machines. Curtains up for the highly accurate, 5-axis laser machining center LCS 305!

[Watch video](#)



Advanced Laser Systems

Synova is the pioneer of a unique water jet guided laser technology (Laser MicroJet®) providing high-precision cutting solutions for the metal, semiconductor and diamond industries.

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