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Synova / Newsletter / September 2021

Grand Opening of New US Headquarters

SYNOVA opens a new 6,100 square foot, state-of-the-art facility in Totowa, New Jersey. This new technology center will support operations throughout North & South America with the latest Synova CNC machines incorporating its unique water jet laser cutting technology.

"Our new micro-machining center is not only a place to showcase our equipment, it's also a research and development center where our customers can collaborate with Synova engineers to demonstrate laser cutting technology," says Dr. Bernold Richerzhagen, Synova Founder and CEO. "The new facility will feature both 5-axis and 3-axis systems that will be used for machine demos, application development work, customer training and contract machining.

We look forward to exploring with you how the Laser MicroJet can improve your manufacturing processes.

Please contact Synova USA at jacques.coderre@synova-usa.com, or call (510) 396 5664.

[Read more](#)



Invitation

Presentation at EPHJ-EPMT Trade Show: Laser Turning with the Laser MicroJet_

📅 Sep 15, 2021, 3:00-4:00 PM

📍 Palexpo Geneva, Exhibitor's Presentation Area

Laser turning is in high demand to process hard or fragile materials allowing the production of complex solids of revolution. The LMJ can be used to cut out large sections in facets and then to fully turn the surface by ablation. This enables effective and efficient roughing and finishing strategies that can achieve a high throughput.

We can't wait to see you at the talk (held in French) or at the **Synova booth (E116) September 14-17!**

Get a free day ticket for EPHJ 2021:

[Register here](#)

Application Video

3D Cutting of a Watch Case with LMJ Technology

Synova offers fast and accurate laser machining solutions for the watchmaking industry. Laser MicroJet systems are able to cut a wide variety of materials, from Phynox, diamond or ceramic to conventional materials. Take a look at our application video which shows the three-dimensional machining of a watch case made of aluminium. Are you interested in other applications? Visit our YouTube channel and explore the versatile capabilities of the water jet guided laser.



[Watch video](#)

Customer Experience Report

Vishay UltraSource Now Fabricates New Products Thanks to LMJ

Synova's customer Vishay UltraSource offers its customers a wide range of custom build-to-print thin film circuits and interconnects demanding the highest quality, excellent service, zero failures, and zero downtime. The recently acquired LCS 150 laser cutting system has enabled the fabrication of new thin film products including vias in Quartz and other brittle substrates.

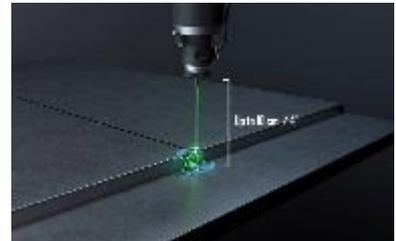


[Read more](#)

Case Studies

How Synova Customers Use Laser MicroJet Systems

With its customized solutions, Synova helps companies to be one step ahead of the competition. Take a look at the case studies on our website and get a detailed insight of customer applications in these various industries: Energy & Aviation, Tool Manufacturing, Diamonds & Jewelry, Watchmaking, Medical, Semiconductors & Photovoltaics and other Micro-Machining Applications.



[View case studies](#)



Inventor of Water Jet Laser

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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SYNOVA S.A.

Route de Genolier 13
1266 Duillier, Switzerland

Phone: +41 (0) 21 55 22 600
sales@synova.ch
www.synova.ch

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