



Synova / Newsletter / December 2021

## Season's greetings and best wishes for a happy New Year!

Another challenging year is coming to an end and we would like to take this opportunity to thank our customers, partners and subscribers. Without your continued trust and support, Synova would not have been able to close this year so successfully.

This holiday season we are supporting the non-profit Swiss cancer foundation "Fond'Action". Synova's donation will help cancer research and fund new treatments that are directly applicable to cancer patients.

We would like to wish you and yours all the best for the upcoming holidays and a happy and healthy New Year!

We look forward to hearing from you in 2022.

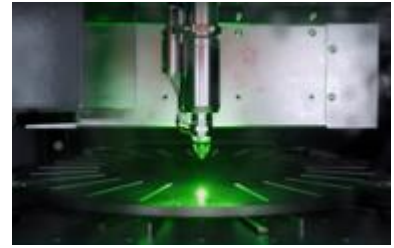
Your Synova Team

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## In the Spotlight

# LCS 800 - The Swiss Army Knife of Laser Cutting Machines

Take a look at this all-rounder from Synova. The 3-axis Laser MicroJet® cutting system LCS 800 is a robust system conceived for a multitude of high-precision cutting and drilling applications in different industrial sectors. Conductive or non-conductive materials, large or small components, this one does it all. Check out our brand-new animation on Synova's YouTube channel!



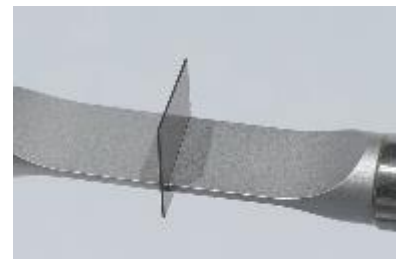
[Watch Video](#) / [Read more](#)

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## Application Video

# Coring and Slicing of a Grown CVD Diamond Crystal

Thanks to Synova's water jet laser, fast and straight cutting of the earth's hardest material is possible. Watch our newest application video to see how a rough CVD diamond crystal is transformed into perfectly cut, thin slices that serve as seeds for the cultivation of further synthetic diamonds. First, the PCD-graphite layer is removed (coring), then the cube is cut into thin slices. Cube sizes vary between typically 5x5 and 20x20 mm.



[Watch Video](#) / [View Case Study](#)

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## Infrastructure Development

# Construction of New Production Hall and Headquarters Extension

A new production hall will be built at Synova's headquarters in Switzerland to handle the increasing number of orders. Construction work is scheduled to begin mid-December and an extension to the main building will follow in January. Synova employees can look forward to a new leisure and relaxation area, including a fitness room and terrace. Solar panels will be installed on the roofs to supply electricity. The projects are expected to be completed in April/May 2022, just in time for Synova's 25th anniversary!



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## Synova Worldwide

# Regional Micro-Machining Centers for Optimal Customer Service

Synova has six micro-machining centers (MMCs) in Europe, Asia and the USA, including the MMC at its Swiss headquarters. These MMCs serve as competence centers for machine demonstrations, feasibility tests and application development. They also offer regional job shop cutting services. The largest MMC is located in India's diamond city of Surat. The Synova team on site consists of almost 20 employees, including machine and gluing operators, diamond technologists and technical service engineers.



[Read more](#)

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## Annual Review

# Synova Newsletters 2021

In case you have missed any of this year's newsletters, here is a review of what has happened at Synova in 2021.

**September:** [Grand Opening of New US Headquarters](#)

**June:** [How wet laser technology can improve your results](#)

**March:** [With new projects and enthusiasm into 2021!](#)



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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