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Automated Manufacturing - One of the Key Topics at DDC

After more than two long years, members of the diamond industry met again last month at the **Dubai Diamond Conference (DDC)**. There was great excitement and intense discussion about nothing less than the future of diamonds. Synova's CEO Bernold Richerzhagen was invited as a speaker at the symposium "Rethinking the diamond supply chain". He pointed out that automation and new technologies have the potential to completely change the way diamonds are produced.

To give interested parties a taste of the possibilities of automated production, Synova had invited to **live demonstrations** of its new DaVinci laser faceting system. Interested people were thus able to see first-hand how a rough diamond is transformed into a fully shaped brilliant.

In the current issue of the **New Jeweller magazine**, Dr. Richerzhagen gives an exclusive interview on how Synova gained a foothold in the diamond industry just ten years ago and what contribution the water jet guided laser technology has made.

We hope you enjoy reading our newsletter and look forward to meeting you in person again soon!

Your Synova Team

[Watch DDC Technology Panel](#)

[Read "New Jeweller" interview"](#)

Diamond Processing

Synova Signs MOU With Sarine on Technological Cooperation

Synova is delighted about the new technological collaboration with Sarine Technologies Ltd. which will enable the integration of Sarine Advisor® planning data with Synova's DaVinci Diamond Factory. The data link-up will allow customers to properly import Sarine's rough diamond planning data into Synova's DaVinci CAM software to perfectly shape the diamond, making the diamond manufacturing process even more efficient.




[Read the press release](#)



Invitation

LASER World of PHOTONICS Exhibition

 Apr. 26-29, 2022

 Munich, Germany

Synova will present its new high-precision 3-axis **LCS 303** with water jet laser technology. Laser MicroJet systems can process a wide range of conductive or non-conductive materials. Stop by our **Booth 361 in Hall A6** and discuss your precision machining applications with us! [>> LWOP](#)

[Register here](#)

MSM / The New Jeweller / Technische Rundschau

Press Review: Read About Synova in the News

The **MSM publication** delves into the fascinating beginnings of the water jet laser, while the diamond magazine **The New Jeweller** interviews Synova's CEO Dr. Richerzhagen on how the company has built its reputation in the diamond industry and in the January issue of the **Technische Rundschau** magazine, Amédée Zryd, Application Director at Synova, talks about promising new applications.

[Read all articles](#)



Explanatory Video

Laser MicroJet: Backstrike Protection Solutions for Aerospace

Laser MicroJet® systems have a large working distance when machining workpieces, which enables cutting and drilling of thick material without refocusing. However, this can be a disadvantage for closed parts, such as turbine blades. To avoid backwall damage, Synova has developed several different solutions. This video explains how to protect backwalls by blowing air or using a water jet to disturb the laser beam after material breakthrough e.g. for turbine blades or by using protective material such as Teflon for open parts.



[Watch the video](#)

Emergency Situation in Ukraine and Neighboring Countries

Synova Supports UNICEF With a Donation to Help Children in Need

As the conflict escalates, so do the needs of children and families. Synova contributes to UNICEF Switzerland and Lichtenstein's efforts to establish, amongst others, "Blue Dot Hubs" along key travel corridors to provide crucial support to children and families on the run. The main focus is on information, safe spaces for mothers and children, and the ability to identify unaccompanied children separated from their parents and ensure their protection.



[Visit the UNICEF website to support children affected by the war](#)

 **SYNOVA**

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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