

/ PRESS RELEASE // SEPTEMBER 2025

## **VLaser 370 Scores Points with Enhanced Stability and Cleanliness**

**Biberach an der Riss, September 23, 2025 – VOLLMER, the Biberach-based sharpening specialist, has further developed its VLaser 370 laser machine and perfected series production, particularly in terms of enhanced stability and cleanliness. Thanks to its sophisticated kinematics, improved extraction technology and internal compensation measurement, the VLaser 370 can be continuously operated for months – without corrections or cleaning. Anyone wishing to test the benefits of the laser machine can do so either by machining sample tools at VOLLMER or by leasing a machine on-site. This also enables more extensive tests over longer periods of time.**

(The press release and accompanying images can be found at the following link:  
<https://www.vollmer-group.com/en-uk/company/press/press-releases>)

“Our extensive series of tests has indicated that our VLaser 370 runs reliably for months without a warm-up program and without any diameter or length correction,” says Christopher Lang, Product Manager at VOLLMER. “We have achieved this by improving and stabilizing removal technology and a compensation measurement that calibrates within seconds before each tool, among other measures.”

### **Producing complex tools with the power of the laser**

The Biberach-based sharpening specialist has once again decisively improved the VOLLMER VLaser 370 machine as standard, adding functions such as defined cutting edge rounding and increasing efficiency during continuous operation. Innovative kinematics, future-proof components and outstanding thermal stability combined with impressive user-friendliness guarantee smooth movements, energy-efficient operation and strong results. In principle, tool manufacturers can use the laser machine and the relevant automatic settings to machine any tool made of ultra-hard cutting materials such as PCD (polycrystalline diamond), CVD diamond or PcBN (polycrystalline cubic boron nitride) without manual intervention and around the clock. The VLaser 370 is ready for use without warm-up times to produce different cutting tools precisely and with repeat accuracy.

Even for complex tools such as thread profiles or closed contours with recesses, such as in circular milling tools, all you need to do is select a standard technology that delivers the desired result without prior machining and with just one partial contour. And this is the case without strong equalising movements with perfectly mapped axial and radial clearance angles – even the smallest inner radii of 50 micrometres, and even as small as 20 micrometres, are not a problem. The machine also performs tasks that only a laser can do, such as the production of chip guide notches or chip deflectors. Chip guide notches are incorporated directly behind the cutting edge, and are used to remove the chips produced.

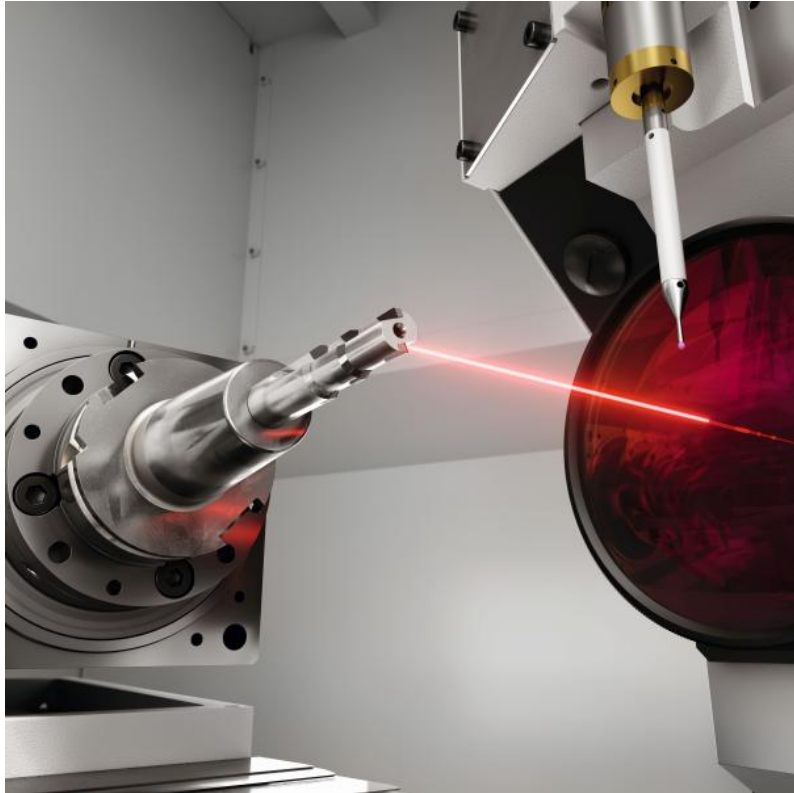
### **VLaser 370 scores points with extra stability and cleanliness**

The high stability and precision are achieved by tool machining based on the focal point in the centre of the C axis. Here the tool is only moved by minimal equalising movements during the sharpening process. This is possible because the laser source and the beam guide are firmly attached to the central block made of polymer concrete. The fact that the VLaser 370 remains ready for use for months even in continuous operation without any corrections or cleaning is also due to the machine's optimised extraction concept. This allows better extraction of vaporised microparticles, which in turn prevents contamination of the protective glass in front of the palm-sized lens.

The VLaser 370 is not only suitable for tool manufacturers in the metal, wood and plastics industries, but also goes beyond the tooling sector. Alternative applications such as cylindrical machining in the micro range, surface perforations or other forms of material removal in the machining chamber up to a diameter of 150 millimetres are possible. Tool manufacturers and interested parties from all sectors can test the VLaser 370 with immediate effect at VOLLMER in Biberach for machining of sample tools. The machine manufacturer also offers cost-effective leasing options for the VLaser 370, so that customers can test the laser machine over longer periods of time and integrate it into their own production environments.

(approx. 4400 characters)

## Press images



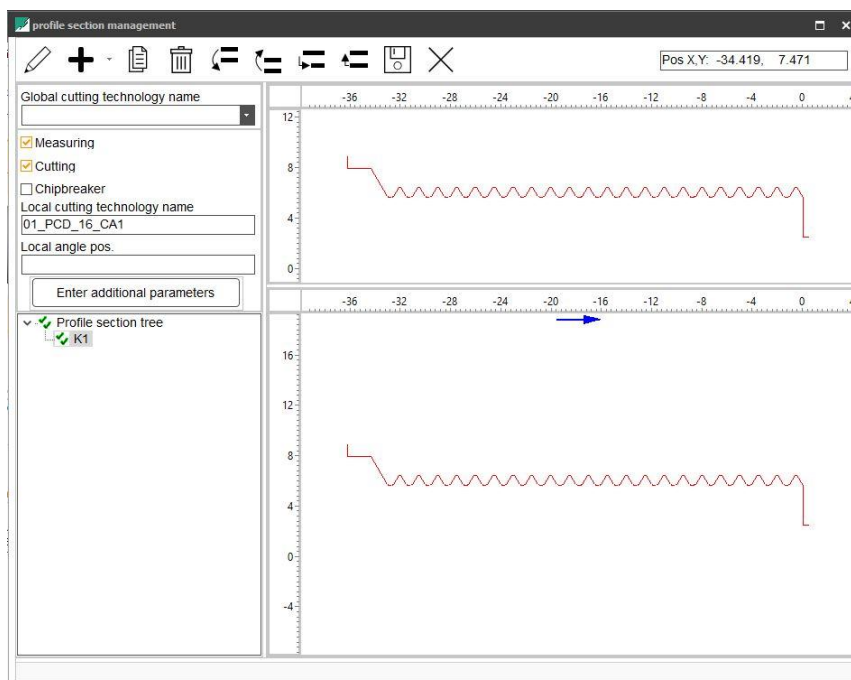
**Caption:** The VOLLMER VLaser 370 machine achieves its high stability and precision thanks to tool machining based on the C axis in the centre of the focal point of the laser light.



**Caption:** Christopher Lang is Product Manager at VOLLMER, and is responsible for providing advice and customer support relating to the VLaser 370 laser machine.



**Caption:** With the VOLLMER VLaser 370 laser machine, thread milling cutters with diameters of 8 mm (left, Z3) or 13 mm (right, Z3) can be machined highly efficiently.



**Caption:** With the standard technology of the VLaser 370, even complex geometries can be produced quickly and easily with just one partial contour, with minimal equalising movements and without prior machining – no separation of the geometry necessary.

### **About the VOLLMER Group**

With its comprehensive range of machinery, the VOLLMER Group – which has sites in Germany, Austria, Great Britain, France, Italy, Poland, Spain, Sweden, the USA, Brazil, Japan, China, South Korea, India and Thailand, as well as representative offices in Taiwan and Indonesia – enjoys global success as a tool machining specialist in the areas of both production and service. The technological leader's range of products includes the most advanced grinding, eroding, laser and machining tools for rotary tools and circular saws in the woodworking and metalworking industries, as well as for metal-cutting band saws. VOLLMER relies heavily on the traditions and strengths of the company – close cooperation channels, quick decisions and the fast responses of a family-run business. The VOLLMER Group currently employs approximately 800 workers worldwide, with around 580 of these at the headquarters in Biberach alone, including more than 75 trainees. The company invests around eight to ten per cent of its turnover in the research and development of new technologies and products. The VOLLMER Group is a reliable partner and provider of technology and services to its customers.

Further information and relevant images are available at: <https://www.vollmer-group.com/en-uk/company/press/press-releases>

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