



# **EuroBLECH 2022: TRUMPF doubles the laser power of the TruLaser 5000 series to 24 kW**

**TRUMPF equips the TruLaser 5000 series with a massive 24 kilowatts of laser power // Productivity boost of as much as 80 percent // Components from a sheet thickness of up to 50 millimeters can be easily cut**

*Hannover/Ditzingen, October 12, 2022* – At this year’s EuroBLECH, TRUMPF will unveil the upgraded TruLaser 5000 series fitted with a laser providing twice the power that was formerly standard. With an output of 24 kW, the new laser – a TruDisk 24001 – can process sheet-metal parts up to three times more quickly. Depending on the material and the application, the upgraded TruLaser 5000 can handle up to 80 percent more sheets of metal per hour. “Increased laser power means companies can slash processing times while also improving the quality of processed parts. With its patented cutting unit, automated functions and dynamic performance, this technology significantly boosts productivity,” says product manager Patrick Schüle. With double the laser power, the new machine can cut parts significantly faster. In addition, the more powerful TruLaser 5000 is able to cut mild steel with a sheet thickness of up to 20 millimeters using nitrogen as the cutting gas. This eliminates the need for reworking that arises when oxygen is used.

### **Enhanced quality**

With a 12 kW laser, sheet-metal processors are able to cut sheets of mild steel to a maximum thickness of 15 millimeters when nitrogen is used as a cutting gas. In order to cut thicker parts, it is necessary to add oxygen. This leads to the formation of an oxide layer on the cut edges of the part. These must then be removed either by machine or by hand – a process that is laborious and time-consuming. Alternatively, companies can use a plasma machine to cut thick parts. This, however, is much slower and less precise than a laser-cutting machine. By contrast, the 24 kW machine can handle sheet thicknesses of up to 20 millimeters while using nitrogen. As a result, there is barely any need for reworking and productivity therefore increases. At the same time, the increased

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laser power improves the quality of cut parts, especially for medium and high sheet thicknesses.

## **Ideal for processes using medium and high sheet thicknesses**

The extra power from 24 kW laser now fitted in the TruLaser 5000 series will benefit all companies looking to further increase their productivity and the quality of their components. In particular, it will enable the efficient production of parts in medium or high sheet thicknesses through all types of materials. TRUMPF is launching the TruLaser 5000 series with a 24 kW laser at this year's EuroBLECH.

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### **TruLaser 5000 series**

TRUMPF has doubled the laser power of its TruLaser 5000 series of laser-cutting machines from 12 to 24 kW. (Source: TRUMPF)



### **24 kW laser**

In combination with the patented cutting unit of the TruLaser 5000 series from TRUMPF, a new 24 kW laser cuts components up to three times faster. (Source: TRUMPF)



### **High sheet thicknesses**

Equipped with a 24 kW laser, the TruLaser 5000 series cuts medium and high sheet thicknesses especially efficiently. (Source: TRUMPF)

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### **About TRUMPF**

TRUMPF is a high-tech company offering manufacturing solutions in the fields of machine tools and laser technology. The Company drives digital connectivity in the manufacturing through consulting, platform products and software. TRUMPF is a technology and market leader in highly versatile machine tools for sheet metal processing and in the field of industrial lasers.

In 2021/22, the company employed some 16,500 people and generated sales of about 4.2 billion euros (preliminary figures). With over 70 subsidiaries, the TRUMPF Group is represented in nearly every European country as well as in North America, South America and Asia. The company has production facilities in Germany, France, the United Kingdom, Italy, Austria, Switzerland, Poland, the Czech Republic, the United States, Mexico and China.

Find out more about TRUMPF at [www.trumpf.com](http://www.trumpf.com)

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