



Press Release

Productivity Squared: TRUMPF's TruPrint 2000 Makes Additive Manufacturing Productive & Flexible

With 500-watt lasers and a square build plate, the TruPrint 2000 is further optimized for mass production // More productivity and quality for users in the dental and medical technology industries // Up to 36 percent more partial dentures in one build

Plymouth, Mich., January 3, 2024 – The high-tech company TRUMPF has further increased the productivity of its TruPrint 2000 3D printer. The TruPrint 2000 now comes with a square build plate and the increased power of a 500-watt integrated fiber laser offered as an alternative to the 300-watt laser in the basic configuration. Using a square build plate, dental technology companies, for example, can print up to 36 percent more removable partial dentures than they could on a comparable round build plate. TRUMPF is introducing the new 3D printer to the U.S. market at Lab Day Chicago, the largest gathering of the dental laboratory community in North America, taking place February 22 to 24, 2024.

"The updated TruPrint 2000 is further optimized for mass production. Users from all industries benefit from the machine's high productivity," says Miguel Verdejo, additive manufacturing product & project manager at TRUMPF Inc's Laser Technology Center in Michigan.

As a multi-laser version, the TruPrint 2000 has two lasers. Both lasers can process the entire build plate simultaneously, resulting in optimized throughput for production.

"The TruPrint 2000 is productive, precise, and produces high quality parts," says Verdejo. According to the highest medical standards, medical technology manufacturers use the 3D printer to produce skull plates, spine cages or knee joints made of titanium, for example. "In addition to the upgrades of the TruPrint 2000, the machine has the process monitoring and calibration features found in all TruPrint machines. Ensuring repeatable and high-quality parts is the top priority for TRUMPF 3D printing, especially in critical areas such as medical and dental technology."

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TruPrint 2000 especially flexible due to variable spot size

With its motorized beam expander, the TruPrint 2000 automatically adjusts the spot diameter of the laser to the task at hand. Depending on the application, the spot diameter is 55 or 80 micrometers. The 80-micrometer spot enables higher productivity. Users can use the 55-micron spot when special metal powders require a higher energy density. The introduction of the 80-micron spot size brings the TruPrint 2000 in line with the rest of the machines in the TruPrint portfolio.

"With this standardization, users can now easily transfer the parameters for printing their parts from one machine type to another, such as from a TruPrint 2000 to a TruPrint 1000 or TruPrint 3000, which enables for more flexible production," says Verdejo.

Additional information on the TruPrint 2000 and TRUMPF additive manufacturing can be found here: [TruPrint 2000 | TRUMPF](#)



TRUMPF employee in front of TruPrint 2000



TruPrint 2000 with square build plate



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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 one of the technology and market leaders in highly versatile machine tools for sheet metal processing and in the field of industrial lasers. In 2022/23, the company employed some 18,400 people and generated sales of about 5.4 billion euros. With over 80 companies, 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.

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