



TRUMPF lasers drive medical technology

Laser technology paves the way for modern medical technology // TRUMPF supports medical technology manufacturers in every phase of a product's life // Laser systems from TRUMPF are suitable for automated production

Ditzingen, February 8, 2023 – TRUMPF is an important partner for medical technology manufacturers: "Innovative medical devices cannot be manufactured without laser technology. With our lasers, medical technology manufacturers can continue to improve their products. This enables even gentler treatment options for patients," said Bernd Block, Medical Technology Industry Manager at TRUMPF. The high-tech company will showcase various laser applications for medical technology at its Medical Photonics in-house trade show.

Laser systems from TRUMPF enable manufacturers of medical devices and medical components to process even the smallest of components precisely, flexibly and with consistently high quality. They also enable the use of advanced and biocompatible materials. Medical device manufacturers implement a whole range of applications with technology from TRUMPF, such as the welding of pacemakers, cutting of stents and cannulas, marking of reusable surgical instruments or 3D printing of artificial joints and dental implants.

TRUMPF provides support with manufacturing know-how

The high-tech company not only supplies lasers to the medical technology industry, but also provides ongoing support, advising medical technology manufacturers in every phase of product development, from concept to series production. "TRUMPF is more than just an equipment supplier to the medical technology industry. Medical technology manufacturers can test their applications in TRUMPF's laser application centers, for example, and do not have to build their own pilot plants for this purpose. That's a competitive advantage," said Block. He went on to add that mature manufacturing processes were important. The medical and healthcare industry places high demands on products. For example, medical products must be particularly robust and functional, while

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complying with numerous material specifications and legal requirements and standards.

TRUMPF machines for automated production

A major trend in the medical technology industry is the automation of in-house manufacturing. "This is particularly evident in the production of high-risk products such as pacemakers. Medical technology manufacturers need standard machines that can be automated, such as those offered by TRUMPF," says Block. For example, medical technology manufacturers can very easily combine the high-tech company's laser systems with cobots in their production. These robots, which can work together with humans without a protective enclosure, load and unload the laser systems with components. Monotonous and physically strenuous movements are thus eliminated for the machine operators.

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Marking medical technology with the laser

There are numerous applications for laser technology in the medical technology industry. One is the so-called blackmarking of medical technology with the laser.

(Image: TRUMPF)



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. 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.



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Find out more about TRUMPF at www.trumpf.com

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