



TRUMPF participates in Hotstack development project

**The development focuses on strong pulse energies and high pulse power //
The project is co-financed by the EU**

Ditzingen, 23 February 2024 – In the near future, the laser will generate X-rays or particle beams as a so-called secondary beam source. Companies could use these beams to test the quality of their products without drilling into them or damaging them in any other way. Researchers could use them to test the efficacy of drugs without having to wait in large research facilities. To generate these beams, the laser needs even more power. The TRUMPF site in Berlin is therefore researching how particularly powerful laser diodes can be produced economically.

For example, the developers are focusing on strong pulse energies and high pulse powers. For the first time, miniaturised laser diode stacks with radiation areas of approx. 1 x 2 cm are to achieve pulse powers of more than 20 kW laser power at room temperature. At the same time, production automation solutions will reduce manufacturing costs and increase the safety of the production process.

HOTSTACK is a "ProFIT Innovation" project and is co-financed from 2023 to 2025 by the European Regional Development Fund (ERDF) Berlin. In addition to TRUMPF, the Ferdinand Braun Institute, the Leibniz Institute for High Frequency Technology (FBH) and the companies Finetech and LayTec are involved in the project.

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Presse-Information

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 leader 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.

Find out more about TRUMPF at www.trumpf.com

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