



Welding, engraving, cleaning: TruMark 7050 is the Swiss Army Knife of the lasers

Users can easily integrate TruMark 7050 into their production // From the automotive industry to large bakeries: the laser is suitable for a large number of applications // Presentation at the Photonics West trade show

Ditzingen/San Francisco (USA), January 31, 2023 – TRUMPF is showing the TruMark 7050 laser system, a particularly versatile tool, at the Photonics West trade show in San Francisco. "This laser system is more than just a marking laser. It is a multifunctional tool with high performance. Users save money with this premium system because they don't have to buy different lasers for different applications," says Holger Breitenborn, Product Manager responsible for Marking Systems at TRUMPF. The high-tech company supplies the TruMark 7050 as a ready-to-use solution. A scanner and software are already integrated. TRUMPF has also already ensured a very high level of laser safety. "After putting the laser into operation, the user can operate it in just a few steps and start working immediately," says Breitenborn.

Applications in all industries

The laser is suitable for a number of highly productive applications in various industries with very short process cycle times. Users can join different types of metals with the TruMark 7050 using spot welding, for example, copper with aluminum or brass. "This capability is particularly in demand for e-mobility applications," says Breitenborn. Companies can very easily integrate the TruMark 7050 marking and material processing laser into their flow production. The automotive industry also uses the laser for deep-engraving vehicle identification numbers into the body of cars. "Here, short process times are required, which the TruMark 7050, with its high power and fast switching cycles, makes possible. This laser with 200 watts of average power is virtually unrivaled in its performance class," says Breitenborn.

But the TruMark 7050 is also suitable for cleaning metallic surfaces of a variety of materials, such as oil, rust, or even organic residues. Large bakeries, for



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example, use the laser to remove baked-on contaminants from baking trays. In many other industries, users also use the TruMark 7050 to roughen surfaces. The laser creates regularly arranged geometries on the metal. Individual components of such a structure are often only a few micrometers in size. Such laser structuring is suitable, for example, for preparing adhesive joints. The adhesive adheres better to the metal after roughening.

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TruMark 7050

This laser system is particularly versatile. (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.

Find out more about TRUMPF at www.trumpf.com

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