



Press Release

LASER World of PHOTONICS: TRUMPF presents its new business field

Expansion of product and technology portfolio in areas of strategic importance // TRUMPF components enable autonomous driving // CEO LT Schmitz: “This underpins our claim to technological leadership”

Ditzingen/Munich, June 24, 2019 – The high technology company TRUMPF will be presenting the products and applications offered by its new business field, TRUMPF Photonic Components, for the first time at the LASER trade show in Munich. They include sensors to support autonomous driving and components for facial recognition functions such as those already integrated in more than half a billion smartphones worldwide.

“In the past few months, we have expanded our portfolio of laser products and technologies in areas of strategic importance, thus underpinning our claim to technological leadership,” says TRUMPF CEO Laser Technology Christian Schmitz. “Creating new business fields enables us to gain a foothold in new market segments with a demand for advanced technology and in which we have identified substantial growth potential.”

TRUMPF’s growing laser technology product family

The creation of TRUMPF Photonic Components, with its focus on a special type of diode laser known as the vertical-cavity surface-emitting laser (VCSEL), gives the company access to a new market segment that will complement its existing high-power diode laser business. In VCSEL technology, the diodes emit light perpendicularly to the surface of the semiconductor device, unlike conventional edge-emitting diodes where the laser light is propagated horizontally to one or two end faces of the device. These laser diodes, which TRUMPF will be presenting for the first time at the trade show in Munich, are used in smartphones, in digital data transfer applications and in sensors for autonomous driving.

By adding VCSEL diodes to its range of semiconductor-based laser sources, TRUMPF has taken a decisive step forward in its business strategy. The



Press Release

company's laser technology product portfolio has also been expanded in other areas in recent months, for instance with new ultrashort-pulse lasers based on InnoSlab technology and new low-power CO₂ lasers.

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TRUMPF-optical-inspection-laser-diode-VCSEL

Automatic optical inspection in laser diode production
TRUMPF Photonic Components in Ulm.



TRUMPF-visual-inspection-VCSEL

Visual inspection in the wafer production from VCSEL
laser diodes.



Managing-board-dr-christian-schmitz

Christian Schmitz,

Chief Executive Officer Laser Technology and Member of
the Managing Board



About TRUMPF

The high-technology company TRUMPF offers production solutions in the machine tool and laser sectors. It is driving digital connectivity in manufacturing industry through consulting, platform and software offers. TRUMPF is the world technological and market leader for machine tools used in flexible sheet metal processing, and also for industrial lasers.

In 2017/18 the company – which has about 13,400 employees – achieved sales of 3.6 billion euros. With over 70 subsidiaries, it is represented in nearly all the countries of Europe, North and South America, and Asia. It has production facilities in Germany, France, Great Britain, Italy, Austria, Switzerland, Poland, the Czech Republic, the USA, Mexico, China and Japan.



Press Release

For more information about TRUMPF go to www.trumpf.com

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