

MNE Short Course - TRUMPF

Micromanufacturing with pico- and femtosecond lasers

Ultrashort pulse lasers are an established tool in the production of consumer electronic products, of flat panel displays and photovoltaic cells. With their versatility regarding choice of material and geometry they offer broad opportunities for micro manufacturing. In this talk the possibilities, the current status and obstacles are discussed using descriptive examples.

About TRUMPF

TRUMPF is a leading global technology company with Machine Tools, Laser Technology and Electronics as its business fields. Products manufactured with the company's technology can be found in almost every sector of industry. TRUMPF is the world technological and market leader for machine tools used in flexible sheet metal processing and for industrial lasers. TRUMPF offers the whole range of lasers used for material processing, including picosecond and femtosecond lasers with average power up to 150W.

In 2012/13 the company – which has approximately 9,900 employees – achieved sales of 2.34 billion euros. With more than 60 subsidiaries and branches, the TRUMPF Group is represented worldwide. In Switzerland TRUMPF is located in Baar (ZG) and Grüşch (GR) employing over 800 people.

BIO Thomas Bewer

Dr. Thomas Bewer is working since 2008 at TRUMPF Maschinen AG located in Baar, ZG. Since 2011 he is heading the department “Advanced development”, which includes an application lab for the ultrashort pulsed laser TruMicro from TRUMPF. Previously Thomas worked in the process development of direct methanol fuel cells and glass forming. He received his PhD in mechanical engineering from the RWTH in Aachen.