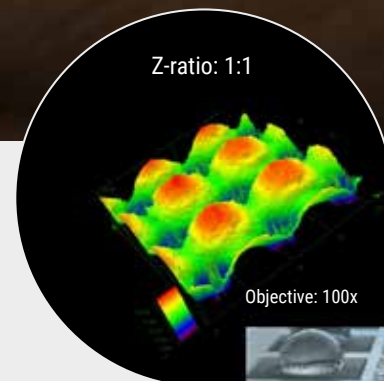
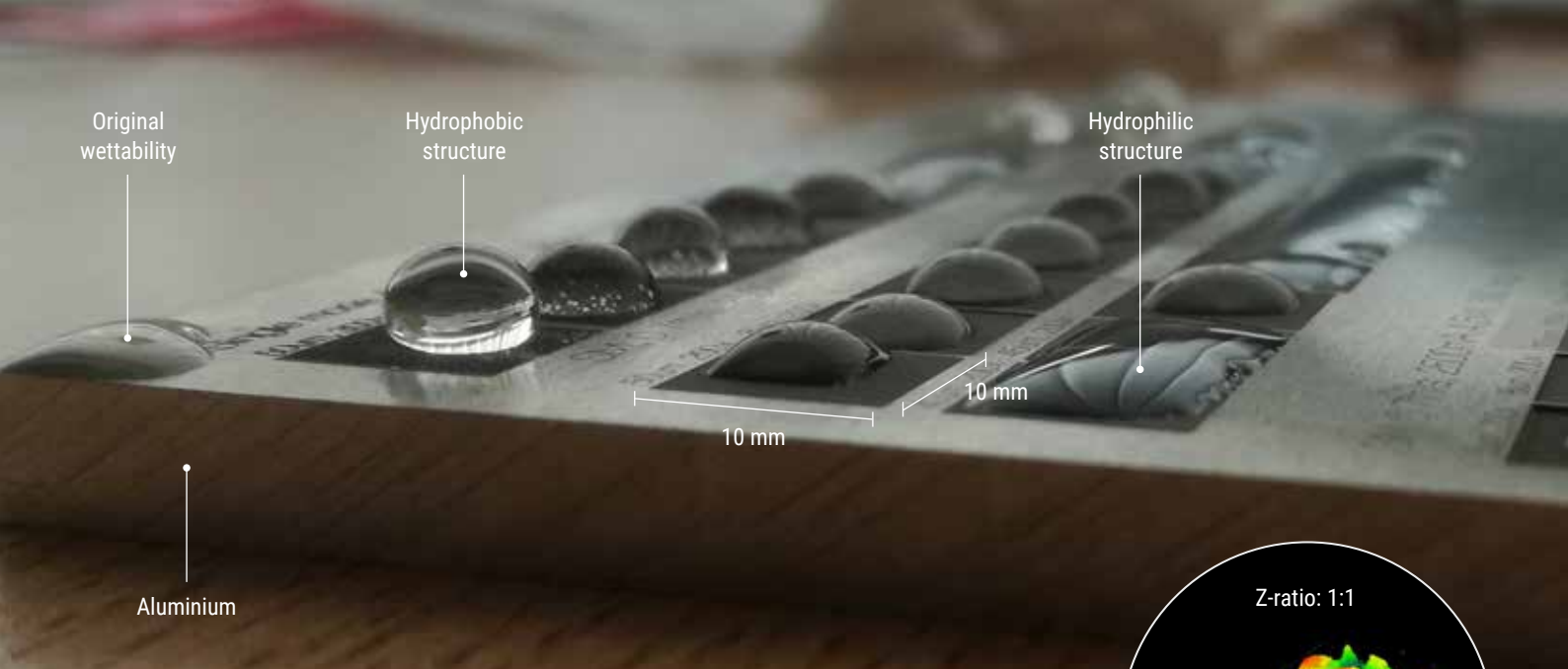




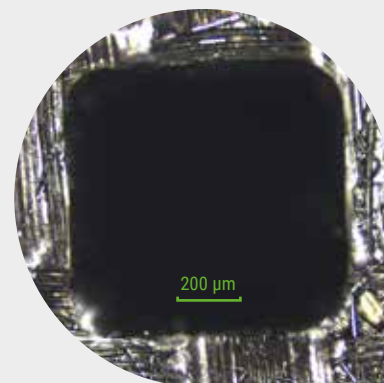
 SUPERLASERS FOR THE REAL WORLD

# LASER MICROMACHINING

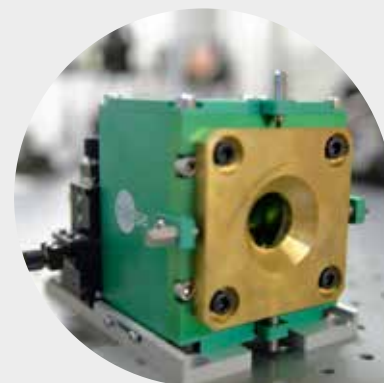
Research centers and high-tech industries like aerospace, automotive, medical or semiconductor require precise material processing and surface modifications. Laser machining benefits from high speed and precision, and it is an ideal tool for the processing of hard to cut materials by conventional technologies. It can be deployed on various shapes and types of material, and enables to achieve high throughput with very good quality and precision. High intensity of ultra-short pulses of various wavelengths allow further improvements of precise cutting, drilling and surface modification of metals, alloys, plastics, semiconductors, glasses, ceramics and composite materials.



FABRICATED FUNCTIONAL MICROSTRUCTURES:  
WATER REPELLENT ALUMINIUM SURFACE



PRECISE CUTTING OF COMPLEX COMPOSITE  
MATERIALS WITHOUT HAZ



SELF-DEVELOPMENT OF COMPLEX COMPONENTS  
FOR INCREASEMENT OF PRODUCTIVITY AND PRECISION

## FEATURES / ADVANTAGES

- Clean and eco-friendly technology
- Fast processing of various materials
- High precision and sharp edges

## SPECIFICATIONS

- Pulse energy up to 10 mJ and pulse length < 3 ps
- High average power
- Output wavelength 1030 nm, 515 nm, 257.5 nm, and 206 nm
- Position precision up to 2 μm

## APPLICATIONS

- Aerospace and automotive
- Semiconductors
- Biology and medical
- Electronics
- Tools production

## OFFERED SERVICES

- Processing of custom-shape geometries with μm precision
- Fabrication of functional surfaces
- Multi-beam processing and process development

**For more information please contact:**  
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