

Research Project – Manipulator Operated Laser Ablation (MANOLA)

Funded by the Federal Ministry of Education and Research (BMBF)
BMBF Reference Key: 02S8548

Initial Situation

- Cooperation between the Karlsruhe Institute of Technology (KIT) and the TU Dresden
- Support system (manipulator) designed by the Karlsruhe Institute of Technology (KIT)
- Laser processing head designed by the TU Dresden
- Project duration: 10/2008 - 12/2011

Advantages & Features

- Remote-controlled system
- Laser distance sensors detect obstructions
- Remote-controlled trolley for mobile system application
- Reduced staff assignment
- Compact and effective
- Flexible deployment

Laser processing head of the manipulator

- In order to be able to process the surface according to the requirements, MANOLA is equipped with a laser processing head

