Our services

We offer many years of experience and know-how for a broad variety of process chains. The KIT can resort to a wide range of equipment for all its research and development activities.

Please do not hesitate to contact us for customized consultation. We are looking forward to any challenge you present us with.

Our partners

Center of Integrated Micro Production

Development, production and quality assurance for primary-shaped micro components from metal and ceramic materials

www.sfb499.de

Karlsruhe Nano Micro Facility

High-tech platform dedicated to structuring and characterizing a wide variety of materials in the micro and nano range

www.knmf.kit.edu

EUMINAFab

European science infrastructure coordinated by KIT

www.euminafab.eu

Selected KIT institute

KIT Institutes from the field of nano and microtechnology

www.kit.edu

μ-now!

Services for Microtechnology at the KIT

Campus South
Kaiserstraße 12
76131 Karlsruhe
Germany

Dipl.-Ing. Patricia Weber
wbk Institute of Production Science

Phone: +49 721 608 - 4 5003
Fax: +49 721 608 - 4 5004
E-Mail: mikro-now@nanomikro.kit.edu

mikro-now.nanomikro.kit.edu
Our profile
The µ-now! innovation cluster at KIT offers specialized services from the field of microtechnology for industry and research.

The objective of µ-now! is to establish direct links between the KIT activities and industry. These links will help to facilitate and accelerate the transfer of scientific and technological developments from the KIT to industrial implementation.

µ-now! includes leading KIT institutes and KIT networks in the field of microtechnology. We offer many years of experience and know-how for a broad variety of process chains. The KIT can resort to a wide range of equipment and technology for all its development and research activities.

You can choose from a wide range of fields and from many highly specialized areas along the process chains.

Our services
Development
We assist you in your development activities with many years of know-how and experience in the fields of
- Material development
- Product development
- Process development
- Simulation
- Engineering
- Automation
- Quality management
- Process chain design

Analytics
Our scientists carry out quality inspections with proven and tested means, such as electron microscopy or other newly developed high-precision inspection methods which for example make use of the synchrotron light source (ANKA) in Karlsruhe.

Other fields of activities include
- Material characterization
- Component characterization
- Measurement engineering
- Material testing
- Tribology

Manufacturing
Our strengths include many different micro manufacturing methods, such as powder injection molding, hot foil stamping, milling, electric discharge machining, laser ablation, lithography and LIGA.

- Micro EDM
- Ceramic Injection Molding (CIM)
- X-ray lithography
- Laser ablation
- Micro milling
- Prototype manufacturing