



## Competence - Made in Germany Technology - Services from FEINMETALL

We offer you our experience and our know-how in the field of manufacturing and assembly of precision mechanical products to optimise your range of applications.

### Laser machining of ceramic substrates, plastic and different metals (materials)

- $\mu$ -drilling long- or round hole  $\varnothing < 100\mu\text{m}$  up to material thickness of  $250\mu\text{m}$
- Laser cutting up to a thickness of  $250\mu\text{m}$

System: 355nm UV laser processing system (laser machining system)

Order type: Prototyping and small batch production capacity

### Mechanical micro drilling of ceramic substrates and plastic

- $\mu$ -drilling  $\varnothing < 100\mu\text{m}$  up to a material thickness of 1mm

System: Core micro drilling systems

Order type: Prototyping and small batch production capacity

### Measurement applications on precision measurement systems

- Measurement of laser or mechanical micro drilling.
- All types of measurement applications for 2D coordinate measuring systems.

System: Werth VideoCheck ® IP / Werth VideoCheck ® EA measuring systems

Order type: Prototyping and small batch production capacity

### Micro Assembly of mechanical components (in clean rooms if required)

- Set up and assembly of micro mechanical components in the high-tech segment
- Soldering of electronic miniature components under microscope.
- Long term know-how in the field of temperature exposed adhesive technology

Excellent trained precision engineers and experienced soldering experts.

Order type: Prototyping and small batch production capacity



## About FEINMETALL:

Established in 1964 Feinmetall GmbH is a modern medium-scale company with deep-rooted traditional values currently having more than 300 employees in different production facilities and sales offices in Europe, USA and Asia. Our headquarters and our largest production facility are located in Herrenberg / Baden-Württemberg. Besides the continuing success in the established product areas of spring contact probes and test fixtures, FEINMETALL is, today, one of the internationally recognised technological leaders in the field of probe cards for the semiconductor test.

The professional application of highly technological machines and a perfect control of all necessary fine-mechanical and micro-electronical production process characterise the leading position of FEINMETALL. Therefore, FEINMETALL commands extensive know-how in precision engineering and micromechanical contact technology.

Complete-system tolerances in  $\mu\text{m}$  range at an operational temperature range of  $-40$  to  $150^{\circ}\text{C}$  are our daily business. We thereby prioritise the robustness and longer life-cycle of our fine mechanic products as well as short lead times and adherence to schedules, in our manufacturing process - features important to us and to our valued customers.

FEINMETALL is your reliable and competent partner to realise your micro machining prototyping and small batch production capacity. Benefit from our experience as well as from our competence for your requirements.

For further information please do not hesitate to contact us at:

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