Ulm, Germany
Production site for hybrid circuits

The Cicor location in Ulm (Reinhardt Microtech GmbH) specializes in the production of ceramic and flexible substrates in thin-film technology and has extensive development expertise in this field.

The production takes place in the clean room using micro-electronic manufacturing processes such as lithography, sputtering, etching, electroplating and mechanical processing. The production and processes are designed for maximum flexibility in order to meet special requirements for substrate materials and process combinations.

The site offers thin-film substrates (Al₂O₃, AlN, LCP, polyimide, ferrite, glass) in prototype and volume production.
Competencies and services

**Thin-film substrates**
- Rigid and flexible substrates, multilayers
- Flexible multilayer circuits with very high resolution (10 µm)
- Metallic coating
- Sputtering
- Electroplating (copper, nickel, gold)
- Photolithography
- Wet etching, dry etching (RIE)
- Clean rooms ISO class 7 und ISO class 5, 1'000 m²
- Fast prototyping program for ceramic prototypes

**Automatic laser trimming**
- Laser trimming using a YAG laser
- High-value resistors

**Forming and singulating**
- CO₂ laser cutting
- Diamond cutting

Markets

- Industrial
- Medical
- Aerospace and defence
- Communication

Certifications

- ISO 9001 Quality

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The Cicor Group is a globally active development and manufacturing partner with innovative technology solutions for the electronics industry. With about 2000 employees at ten production sites, Cicor offers highly complex printed circuit boards and hybrid circuits as well as comprehensive electronic manufacturing services (EMS) including microelectronic assembly and plastic injection molding.

Cicor supplies customized products and services from design to the finished product from one source.