



Wangs, Switzerland

Production site for substrates and hybrid circuits

The Cicor site in Wangs (Reinhardt Microtech AG) specializes in the production of rigid and flexible substrates in thin-film technology and has extensive manufacturing expertise in this field. The production takes place in the clean room using microelectronic manufacturing processes such as lithography, sputtering, evaporation, etching, electroplating and passive balancing of resistances. Further machining operations are laser drilling of holes, minimum 60 μm , laser

cutting of contours and sawing as separation step from multiple use to chip. The production and processes are designed for maximum flexibility in order to meet special requirements for substrate materials and process combinations. The site produces thin-film substrates on Al_2O_3 , AlN , LCP, polyimide, glass and quartz in prototype and series 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)
- Eutectic AuSn by evaporation
- Clean rooms ISO class 7 und ISO class 5 (class 10'000 bis 100), 660 m²

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 2100 employees at ten production sites, Cicor offers highly complex printed circuit boards, printed electronics, hybrid circuits and substrates 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.



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