



Wangs, Switzerland

Production site for substrates and hybrid circuits

The Cicor site in Wangs specializes in the manufacture of thin-film circuits on rigid and flexible substrates and has extensive manufacturing expertise in this field. Manufacturing takes place in a clean room using microelectronic manufacturing processes such as lithography, sputtering, evaporation, etching, electroplating and passive resistance matching. Other machining operations include laser drilling of holes, laser contouring, and sawing as

a separation step from multiprocess to chip. Production and processes are designed for maximum flexibility to meet special requirements for substrate materials and process combinations. The site manufactures thin film circuits on a wide variety of substrate materials (Al_2O_3 , AlN, LCP, polyimide, ferrites, glass, sapphire, quartz ect.) 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 to ISO 6 (class 10'000 bis 100), 850 m²



Automatic laser trimming

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

Forming and singulating

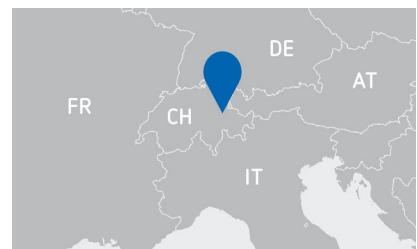
- CO₂ laser cutting
- Diamond cutting

Markets

-  Industrial
-  Medical
-  Aerospace and defence
-  Wearables

Certifications

- ISO 9001 Quality
- EN 9100 Aerospace
- AEO
- JOSCAR



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