

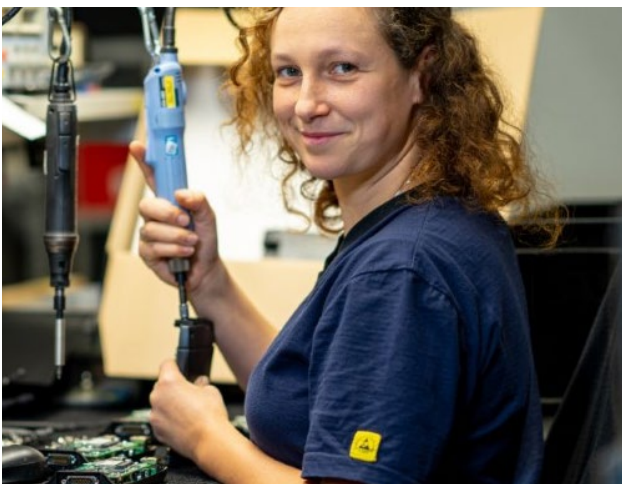


Dresden, Germany

Engineering- and production site for electronic manufacturing services

The Cicor site in Dresden (SMT Elektronik GmbH) offers complete services for the development and manufacture of electronic assemblies, primarily in the medical technology and industrial markets. As a system supplier, the site offers

customers the opportunity to expand the manufacturing process entirely as desired. With its full-service packages, Cicor accompanies its customers all the way to shipping the end products ready for sale.





Competencies and services

Engineering

- HW- and SW-development
- PCB design
- Mechanics
- Project management
- Product safety
 - IEC 60601 and IEC 61010

SMT production

- Fully automatic in-line printer incl. solder paste inspection
- Print image size min. 70×60 mm, max. 600×450 mm
- Finepitch assembly up to 0.3 mm pitch (in serial production)
- µBGA up to 0.35 mm pitch
- Chip from 01005 (0.4×0.2 mm)
- Flexprint assembly
- THR component assembly (Through-hole-reflow-technology)
- 10 SMD assembly machines
- 3 nitrogen full convection reflow systems (SMT)
- Individual soldering profile
- Max. reflow soldering width reflow soldering width of 500 mm

THT production

- Automatic cutting, bending, crimping
- Manual assembly stations
- Wave soldering
 - 1 nitrogen wave soldering system
 - Max. size from 440×390 mm
 - Different, subsequent soldering programs controlled via barcode
- Selective wave soldering
 - 1 dual port selective soldering system
 - PCB sizes from min. 95×95 mm and max. 400×500 mm
 - Seamless process monitoring

Rework

- SMD- and BGA rework stations
- Depaneling

Test

- Development of product-specific test concepts
- In-circuit, flying probe and functional test
- Frame scan and boundary scan implementation
- Development and set up of product-specific test systems
- High-voltage, run-in and burn-in tests, temperature cabinet

Optical inspection

- Inline-AOI-systems
- Initial sample testing with EFA inspection system
- X-ray

Coating/potting

- Batch operation spray painting
- Serial potting with PU, silicone
- UV adhesive bonding
- Hotmelt potting

Box building and system assembly

- Product-specific assembly workplace
- Functional testing
- Configurations management
- Clean room assembly

Traceability

- Individual assembly barcode (laser/label)
- On board and production order level
 - Component batches
 - Work and test procedures
 - Test results and verifications

Markets



Industrial



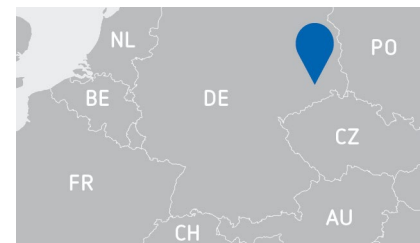
Medical



Automotive and transport

Certifications

- ISO 9001 Quality
- ISO 14001 Environment
- IATF 16949 Quality Management System



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The Cicor Group is a globally active provider of full-cycle electronic solutions from research and development to manufacturing and supply chain management. Cicor's approximately 2300 employees at twelve locations in Europe and Asia are serving leaders from the medical, industrial and aerospace & defence industries. Cicor creates value to its customers through the combination of customer-specific development solutions, high-tech components, as well as electronic device manufacturing.

The shares of Cicor Technologies Ltd. are traded at the SIX Swiss Exchange (CICN).



cicor.com