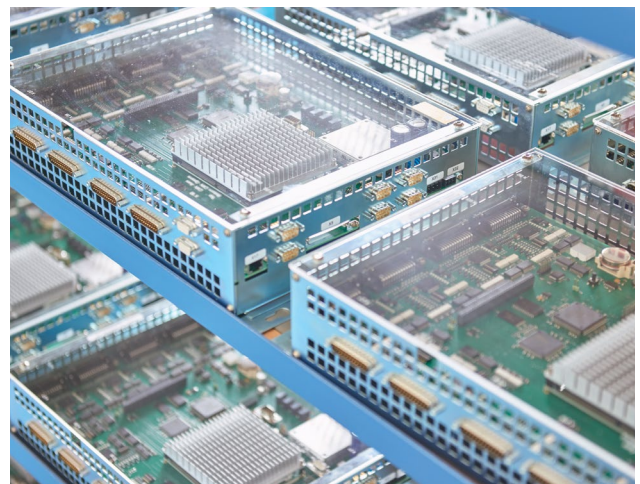


Electronic manufacturing services (EMS)

PCB assembly, box building and system assembly, microelectronic assembly, tool design and fabrication, plastic injection molding

The EMS production sites in Arad (Romania), Batam (Indonesia), Bronschhofen (Switzerland), Radeberg (Germany), Singapore (Singapore), Suzhou (China) and Thuan An Town (Vietnam) are service providers in development and manufacturing for electronic components, devices and systems. With a wide range of production options in printed circuit

board assembly, microelectronic assembly in box building and system assembly and control cabinet construction, cable assembly, tool design and fabrication and plastic injection molding, Cicor offers outsourcing solutions from the idea to the finished product.





Portfolio

Engineering & test engineering

- HW/SW development
- PCB design
- Mechanics
- Project management
- Automatic optical inspection
- Various tests (flying probe, in-circuit, test, x-ray, etc.)

Printed circuit board assembly

- Laser marking/labeling of printed circuit boards with unique serial number
- Acquisition and evaluation of the process steps in quality data management (Online SPC)
- Online traceability of production steps, component batches and test data at assembly level
- Solder paste printing in screen printing process
- 3D solder paste inspection
- SMD assembly of printed circuit boards
- Reflow soldering
- Automatic optical inspection (AOI)
- THT printed circuit board assembly
- Wave soldering
- Selective soldering
- CNC milling/sawing for panel cutting
- Manual soldering according to IPC A-610
- Programming of integrated circuits
- Fully automatic painting and encapsulation of assemblies
- Prototypes and very small series under serial production conditions

Microelectronic assembly

- SMD mounting
- Chip assembly
- Wire bonding
- Encapsulation

Box building and system assembly

- Printed circuit board assembly
- Plastic injection molding
- Cable assembly
- Proven supplier base for mechanical purchased parts
- Coating and potting
- Various joining technologies such as bonding, ultrasonic welding, vibration welding, etc.
- Marking and labeling (laser marking, pad printing, screen printing, etc.)
- Functional, environmental and burn-in tests
- Customized packaging solutions

Tool design and fabrication and plastic injection molding

- 3D software design
- Moldflow simulation
- High-precision mold
- 2K injection molding
- Insert molding
- Thin-wall molding
- Micro molding
- Vertical and horizontal molding
- Pre-production to mass production
- Multi-cavitation design
- 3D-MID

Markets



Industrial



Medical



Aerospace and defence



Watches and consumer



Automotive and transport



Communication



Swisstronics Contract

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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.



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