



Arad, Romania

Engineering and production site for electronic manufacturing services

The Cicor site in Arad (S.C. Systronics S.R.L.) offers manufacturing services for electronic products of consistently high-quality. The site supports its clients starting in the planning stage, guaranteeing the ideal outsourcing solution, tailored to the client's specific needs.

As an EMS partner over the entire product life cycle, from product development through series production to after-sales-service. The EMS site in Romania offers complete outsourcing solutions for the manufacturing of electronic component assemblies as well as complete devices and systems.





Competencies and services

SMT production

- Fully automatic in-line printer incl. stencil cleaning system and automatic optical in-line paste printing inspection
- Print image size min. 70×110 mm, max. 330×440 mm
- Adhesive bonding from chip 0603
- Fine-pitch assembly up to 0.4 mm pitch (in serial production)
- µBGA up to 0.5 mm pitch
- Chip from 0201 (0.5×0.25 mm)
- 18 SMD assembly machines
- 6 nitrogen full convection reflow systems (SMT)
- Individual soldering profile
- Optical inspection before and after reflow soldering

THT production

- Automatic cutting
- Assembly machines for axial and radial THT components
- Manual assembly stations
- Wave soldering
- 5 nitrogen wave soldering systems
- Max. circuit board dimensions of 440×350 mm
- Different, subsequent soldering programs controlled via barcode
- Timely optical inspection
- Seamless process monitoring

Rework

- SMD and BGA repair stations

Test engineering

- Development of product-specific test concepts
- In-circuit
- Flying probe
- Functional test
- Frame scan and boundary scan implementation
- Development, construction and programming of product-specific test systems

Optical inspection

- SPI system, inline AOI systems
- Initial sample testing for new projects
- Serial initial sample testing for each batch

Coating

- Dip coating
- Silicone coating

Box building and system assembly

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

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



Aerospace and defence



Watches and consumer



Automotive and transport



Communication

Certifications

- ISO 9001 Quality
- ISO 14001 Environment
- IATF 16949 Automotive
- OHSAS 18001 Occupational health and safety



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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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