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## 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



Building Technologies

## 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 provider of full-cycle electronic solutions from research and development to manufacturing and supply chain management. Cicor's approximately 2500 employees at 15 locations worldwide 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.

