



## 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

### Traceability

- PCB barcode laser (ASYS)
- Individual PCBA and component batch traceability

### SMT production

- Fully automatic in-line printer incl. stencil cleaning system, 3D SPI and AOI
- Panel length 80-660 mm
- Panel width 110-460 mm

### SMT adhesive

- Chip from 0603
- Adhesive printing

### Components

- Chip up to 0201 (0.5 x 0.25 mm)
- Fine-pitch assembly up to 0.4 mm pitch (in serial production)
- µBGA up to 0.5 mm pitch

### Assembly

- 18 SMD assembly machines (ASM)
- In-line operation

### Reflow soldering

- 6 nitrogen full convection reflow systems (SMT)
- Individual soldering profile

### Rework

- SMD and BGA repair stations

### Optical inspection

- Inline SPI systems (Parmi 3D)
- Inline AOI systems (TRI, Parmi 3D) with QDM integration

### THT production

#### Component preparation

- Automatic cutting
- Manual assembly stations

#### Wave soldering

- 6 nitrogen wave soldering systems
- Max. circuit board dimensions of 440 x 350 mm
- Different, subsequent soldering programs controlled via barcode

#### Selective soldering

- 3 lines, 5 soldering modules, 10 soldering pots (Ersa Versafflow)

- Max. circuit board dimensions of 45 x 400 mm
- Robot soldering - (Japan Unix)
- Max. circuit board dimensions of 510 x 420 mm

### Process monitoring

- Soldering profile, Wave height, solder bath temperature, regular solder analyses

### Coating

- Automatic selective coating (Nordson Asymtek coating machine) with Peters 1307 FLZ coating material
- Max. circuit board dimensions of 420 x 440 mm
- Standard coating

### Potting

- 2 automatic potting lines (Scheugenpflug machine)
- Max. potting area 400 x 400 mm

### Glueing

- 1 automatic glue dispensing machine (Datron PR0500)

### TampoPrinting

- 1 pad printing machine (Teca-Print TPE151)

### Box building

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

### Test

- Development of product-specific test concepts and systems
- In-circuit (Teradyne, TRI, DigitalTest), flying probe(SPEA) and functional test (Custom built)
- Frame scan
- High-voltage, run-in and burn-in tests

## Markets

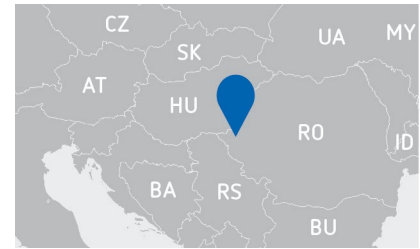


Industrial

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 3200 employees at 19 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.

