



# **MRO & AVIATION**

## **Products and manufacturing services**



# Who we are, what we do

over **35**  
years of experience

**130+**  
employees

**4**  
localizations

**4000** sqm  
production area

Semicon Sp. z o.o. is a family-owned, innovative company operating in electronics, photonics, aerospace, defence and other high-tech industries.

Semicon has been operating on the electronics market for more than three decades. Our team consists of 130 professionals, working in four locations, with a total area of about 5000 square meters, offers you a number of services and a rich portfolio of products from globally renowned manufacturers.

We specialize in providing turnkey electronics solutions to clients in all business and industrial sectors. With an extensive range, including materials and components for electronics, services for electronics and testing products, we can turn your ideas and requirements into highly advanced electronics solutions that are custom-made to your specifications.

**As AS9120 rev B certified distributor we are supplying materials and equipment needed for MRO applications. Together with our partners we are able to supply all needed materials used in production or service of the civil aircrafts, helicopters and military aircrafts as well.**

**With the appropriate handling and warehouse we capability to handle hazardous materials.**

**Our converting department can prepare tapes and foils on the requested dimensions.**

**Due to work according to ISO & AS norms all our products are supplied with highest quality.**

**Our storage is equipped with temperature & humid control and freezers to keep materials in proper conditions. Our employees are trained to work with materials according to specifications.**

## Certificates

Semicon has implemented and maintain the Integrated Quality Management System, confirmed by the following certificates:



**ISO 9001:2015**

Quality Management System



**AS 9120:2018**

Quality Management System  
Requirements for Aviation, Space  
and Defence Distributors



**ISO 13485:2016**

Quality Assurance  
of Medical Devices



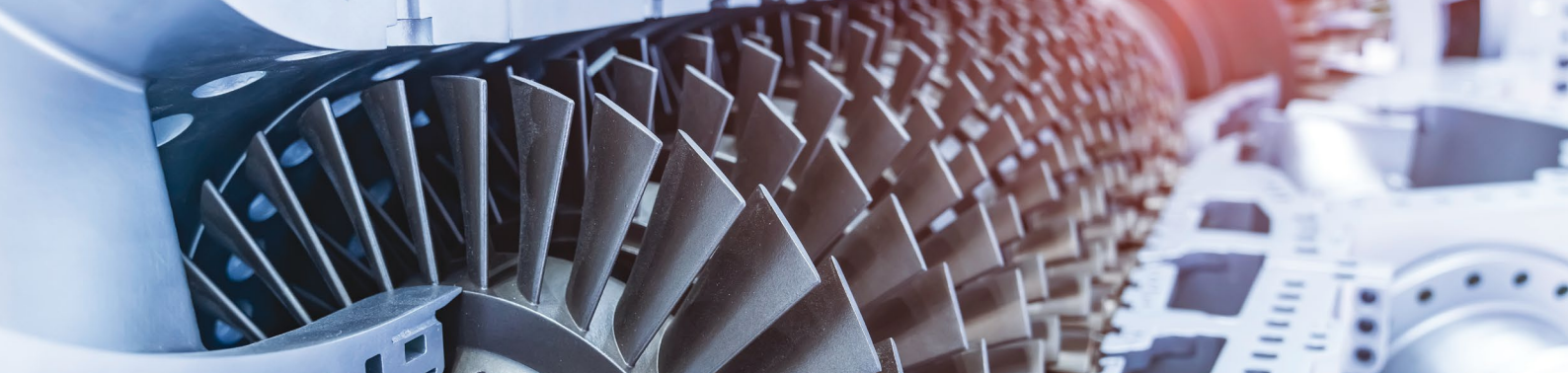
**ISO 14001:2015**

Environmental  
Management System



**AQAP 2110:2016**

Quality Assurance  
of Defence Products



# Other Semicon business areas



## Distribution

- Electronic and electromechanical components
- Materials for electronics and other industrial branches
- Certified materials for aviation, defense
- Measuring accessories, test probes
- Tools for the electronics industry



## Laser cutting of SMT stencils

- Stencils on aluminium frames, Vector Guard and self-tension systems
- Long stencils for LEDs
- Micro stencils for reballing
- Step stencils (variable thickness) – milling, micro welding
- Nano coating stencils
- Precise laser-cut mechanical components



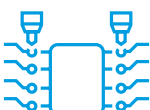
## Optoelectronic equipment manufacturing

- Laser modules: line, cross, spot
- Laser holders & positioners



## Tapes converting

- Rolls, tapes and velcros slitting, die-cut, kiss-cut, laminating



## In-Circuit test fixtures (ICT) and functional testers (FCT)

- Designing and building adapters with testing probes
- Test systems dedicated for customer projects



## Wire harness production

- Short series
- Wires and cables processing from #36 to #10
- Customization & design
- Box build

## Member of

- Aviation Valley Poland
- Polish Technological Platform on Photonics
- National Chamber of Commerce for Electronics and Telecommunications
- Polish Chamber of Commerce for Electronics and Telecommunications Microelectronics, Electronics & Photonics Cluster
- Polish Society for Photovoltaics



Aviation Valley Poland



Polish Space Industry Association







## | Special materials

### Composite materials

- adhesives
- prepregs
- dry fabric

### Honey-comb

- core fillers
- edge fillers

### Protective tapes against abrasion and erosion

- radar boots
- belly
- leading edge



## | Testers

### Test equipment

- MK test
- DeMarchiori / DMA
- Cami Research

## | Special tools

### Crimping and assembly tools for harnesses

- DMC
- Astro
- Rennsteig

### Tools & tool-box

- FOD protection
- pneumatic drills
- hand tool sets
- drawer tool trolleys





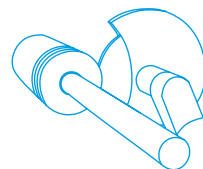
# Tapes

Aerospace | Industrial | Defence



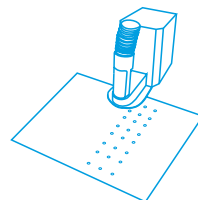
- Masking
- Protective
- Carpet
- Floor sealing
- Damping
- Antislip
- Aluminium
- Double side
- Cargo liner
- Corrosion protective
- Adhesive Transfer
- Applicators & tools

## TAPE CONVERTING LINE



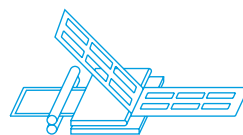
### Cutting the roll of tapes

- Maximum logroll length: 1700 mm
- Minimum cut length: 6 mm
- Cutting accuracy: 0.1 mm
- Maximum logroll diameter: 430 mm



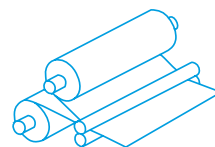
### Cutting

- Working area 1330 mm x 830 mm
- Cutting difficult materials
- Cutting of adhesive films
- Cutting foams and other materials
- Filter extraction



### Punch of matrix

- Material thickness
- Working area 300 mm x 300 mm



### Lamination

- Working width max 1600 mm







# Chemicals

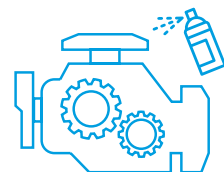
Aerospace | Defence | MRO | Industrial

## APPLICATION



Anti-corrosion products

Protection in the form of dry, wet and wax coatings



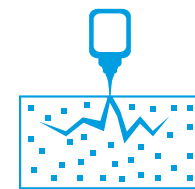
Cleaners/degreasers

Fast and slow evaporating solvents, aqueous (alkaline and acidic)



Anti-seize greases/paste

Available in aerosols, cartridges, canisters, cans



Adhesives/Sealants

Epoxies, polyurethanes, silicones



- Sealants
- Penetrants
- Greases
- Adhesives
- Gaskets
- Silicones
- Degreasers
- Cleaning agents
- Surface treatment
- Coolants
- Abrasives
- Primers
- Corrosion inhibitors
- Applicators & tools





## I Applicators & mixers

Sealants and epoxy applicators

- pneumatic
- manual

Sealants mixers

Dispensing needles

Dispensing nozzles



## I Painting

Surface preparation

- abrasive discs

Sealant removers

Sanding screens

Spray guns

Orbital sanders

## I Health & safety

Personal Protective equipments:

- half masks
- full-face masks
- filters
- gloves
- eye protection
- hearing protection
- fall protection





## Contact us

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### Laser modules design and production

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### SMT Laser cut stencils manufacturing

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### Tapes converting

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### Main warehouse

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#### WARSAW

- Headquarters and R&D department
- Electronic Manufacturing Services
- SMT Laser cut stencils manufacturing
- Main warehouse

