



MRO & AVIATION

Products and manufacturing services



Who we are, what we do

over **35**
years of experience

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.

140+
employees

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.

4
localizations

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.

4000 sqm
production area

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

ISO 13485:2016

Quality Assurance
of Medical Devices

AQAP 2110:2016

Quality Assurance
of Defence Products

AS 9120:2018

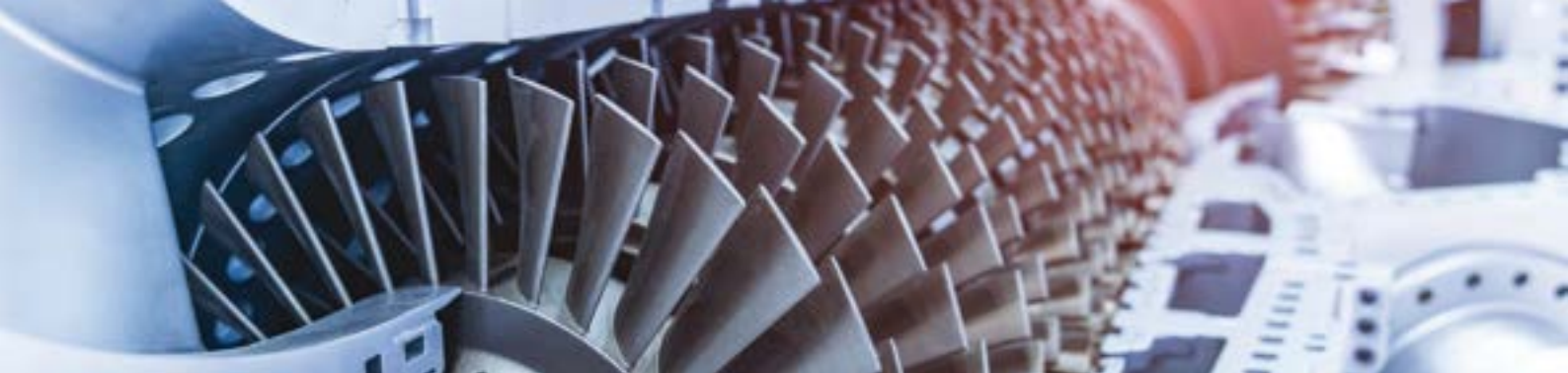
Quality Management System
Requirements for Aviation, Space
and Defence Distributors

ISO14001:2015

Environmental
Management System

MSWIA Concession

Licensed by the Polish
Ministry of Interior
and Administration



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



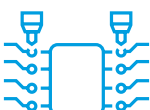
Optoelectronic equipment manufacturing

- 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





I 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



I Testers

Test equipment

- MK test
- DeMarchiori / DMA
- Cami Research

I Special tools

Crimping and assembly tools for harnesses

- DMC
- Astro
- Rennsteig

Tools & tool-box

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





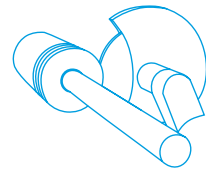
Tapes

Aerospace | Industrial | Defence



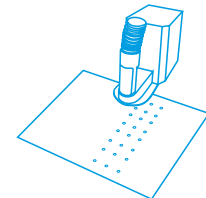
- Masking
- Protective
- Carpet
- Floor sealing
- Damping
- Antislip
- Aluminium
- Double side
- Cargo liner
- Corrosion protective
- Adhesive Transfer
- Applicators & tools

TAPE CONVERTING LINE



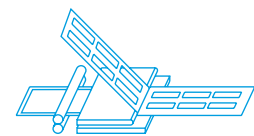
Cutting the roll of tapes

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



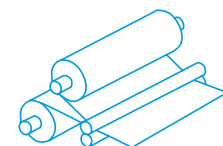
Cutting

- 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





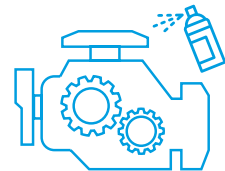
Chemicals

Aerospace | Defence | MRO | Industrial

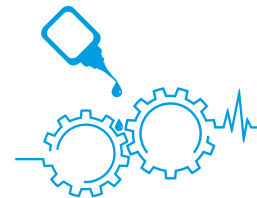
APPLICATION



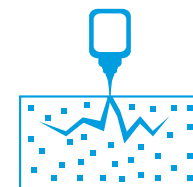
Anti-corrosion products
Protection in the form of dry, wet and wax coatings



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





| Applicators & mixers

Sealants and epoxy applicators

- pneumatic
- manual

Sealants mixers

Dispensing needles

Dispensing nozzles



| Painting

Surface preparation

- abrasive discs

Sealant removers

Sanding screens

Spray guns

Orbital sanders

| Health & safety

Personal Protective equipments:

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



3M

**&
B O**
BEYER & OTTO

**medmix
MIXPAC**
Milwaukee

 **TECHCON™**



Contact us

Aero, Defence and Space department

mro@semicon.com.pl
orders@semicon.com.pl
PL 04-761 Warsaw,
Zwoleńska 43/43a Street
+48 22 615 73 71

Headquarters and R&D department

info@semicon.com.pl
PL 04-761 Warsaw,
Zwoleńska 43/43a Street
+48 22 615 73 71

EMS - Electronic Manufacturing Services

Inquiries: EMSinquiry@semicon.com.pl
Orders: EMSorder@semicon.com.pl
General information: EMSinfo@semicon.com.pl
PL 04-805 Warsaw,
Ezopa 71a Street
+48 22 612 67 92

Laser modules design and production

lasery@semicon.com.pl
PL 04-761 Warsaw,
Zwolenska 43/43a Street
+48 22 615 73 71

SMT Laser cut stencils manufacturing

szablony@semicon.com.pl
PL 05-077 Warsaw,
Zakretowa 4 Street
+48 22 615 27 05

Tapes converting

tasmy@semicon.com.pl
PL 05-077 Warsaw,
Zakretowa 4 Street
+48 22 102 22 52

Main warehouse

(open Mo-Fr, 8:00-16:00 CET)
radomszczanska@semicon.com.pl
PL 04-764 Warsaw,
Radomszczanska 19 Street
+48 22 615 83 40

WARSAW

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

