

# Components and accessories for gas turbines



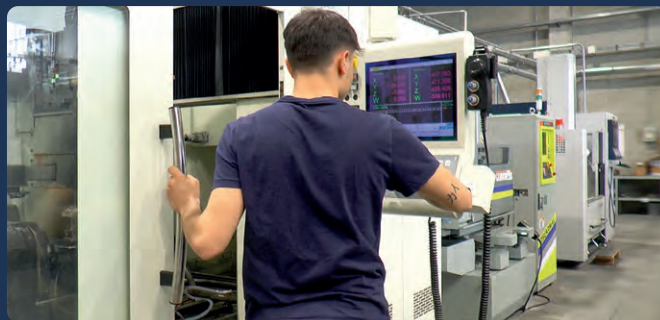
Engineering



Manufacturing



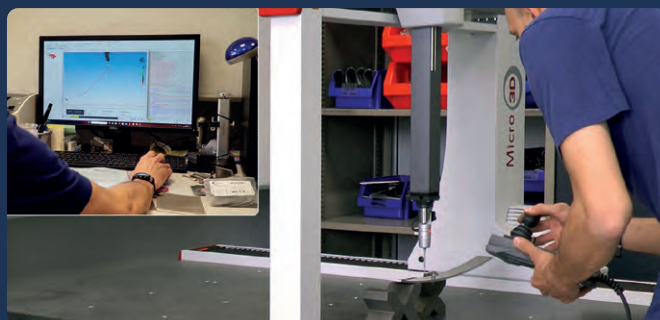
EDM Machining



CNC Machines



Manual manufacturing

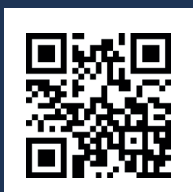


Dimensional checks

- MICRO DRILLING
- EDM MACHINING
- SHEET METAL PROCESSING
- SURFACE FINISHING
- MECHANICAL WORKS



Components



[www.silmec.net](http://www.silmec.net)

# SILMEC

THE EXCELLENCE OF MADE IN ITALY

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# SI.L.MEC.

## SI.L.MEC Srl: microdrilling and EDM electroerosion, precision mechanical machining

We are first level Tier one suppliers for important Italian and international companies.

The activity is developed exclusively and totally within our factory with an important fleet of latest generation machines and a team with consolidated technical experience.

### Activities and processes

- sheet metal processing (sheet metal forming dies, stamping, welding)
- CNC die-sinking EDM, even for large parts
- high precision wire EDM EDM
- 3, 4 and 5-axis EDM micro-drilling (shaped holes on blades and vanes, complex drilling)

- surface processing and finishing
- design and manufacturing of moulds

### Outsourced activities and processes

- precision mechanical machining
- brazing
- coatings
- rapid prototyping

*CNC machines for EDM microdrilling up to 5 axes*



## *Specialized and certified in processes and services on components and accessories dedicated to various industrial sectors: energy, automotive, medical, aerospace.*

### **Materials processed**

The components that we produce are obtained from sheets of the following nickel-based superalloys:

- Hastelloy
- Nimonic 75
- Inconel 718
- AISI 321
- AISI 310

The thickness of the sheets we work is between 0.15 mm and 8.3 mm

We manage orders from design (in collaboration with the customer) to delivery of the finished products by studying specific solutions for each individual customer. Supplies for small, medium and large orders.

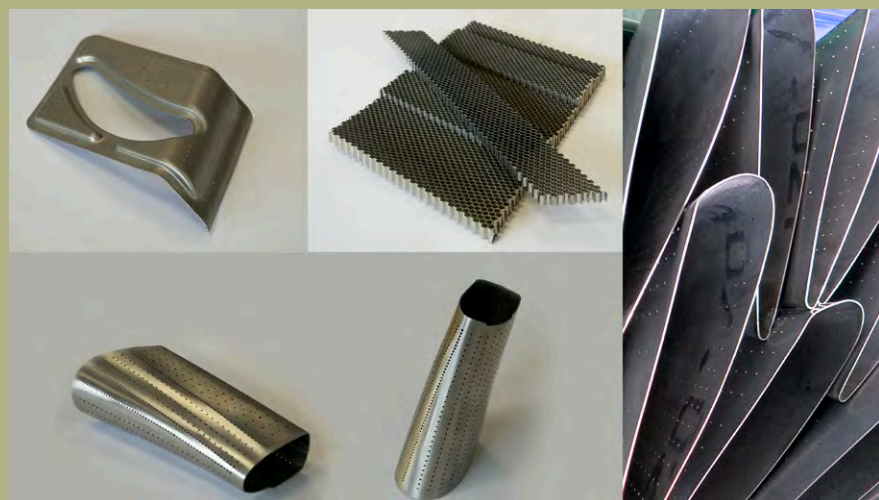
Active since 2002, we are certified with the UNI EN ISO 9001 quality system and use self-produced energy from a recently installed photovoltaic system.

### **Some references**

The important fleet of machines, the production organization and the technical experience developed in over 20 years of activity allow us to work for many companies in various industrial sectors. Specifically, for the gas turbine components and accessories sector: Ansaldo Energia, Lincotek, Atla, Ethos Energy, Man, General Electric, others.



*Management group*



*Some examples of details machined with EDM micro-perforation*