

## Different cultures, one goal

Elemaster offers customized solutions ensuring the highest level of expertise in every phase of the production process. With our international EMS centers, sales offices and R&D departments, we can support Customers worldwide.



HEADQUARTERS RESEARCH & DEVELOPMENT MANUFACTURING CENTERS SALES / SERVICE OFFICES

### AREAS OF SPECIALIZATION



MEDICAL &  
HEALTHCARE  
ISO 13485:2016



INDUSTRY &  
ENERGY  
ISO 9001:2015



HIGH-TECH  
MOBILITY  
IATF 16949:2016



AVIONICS &  
DEFENCE  
AS/EN 9100:2018



RAILWAYS  
& TRANSPORTATION  
IRIS ISO / TS 22163:2017



ENVIRONMENTAL  
ISO 14001:2015  
ISO 45001:2018



LABORATORY  
ISO/IEC 17025:2017

## Contacts

### EUROPE - Headquarters

Via García Lorca, 29  
23871 Lomagna (LC) - Italy  
Phone: +39 039 939 420 0

### UNITED STATES

3400 Rivergreen Court, Suite 200  
Duluth, 30096  
Georgia - Stati Uniti  
Phone: +1 470-410-2557

### CHINA

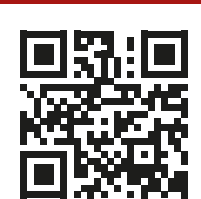
No258 ZhiJiang Road  
Building # 6-2 Fengxian District  
201401 Shanghai - China  
上海市奉贤区芝江路258号, 欧洲中小企业园, 6-2幢  
Phone: +86 021-37199059

### INDIA

Plot B27, Phase II, Zone B, MEPZ-SEZ,  
Sanatorium, Tambaram,  
Chennai Tamil Nadu 600045 - India

### TUNISIA

7026 El Azib - Menzel Djemil km.9  
7026 Bizerte - Tunisia  
Ph: +216 72 451 161 - 146



Electronic Technologies

## Our worth is measured by **YOUR SUCCESS**

Whatever the size and complexity of your project,  
Elemaster offers highly customized solutions and guarantees you  
the highest level of expertise in every phase of the product's life cycle.



### Quality

We guarantee the excellent  
quality of your products,  
from prototyping  
to mass production



### Technology

We develop cutting-edge techniques  
and processes to design  
and manufacture products with  
the highest technological content



### Innovation

We innovate products  
and processes constantly  
to guarantee maximum  
production efficiency

### Why Elemaster?

Choosing Elemaster means having  
the confidence to obtain excellent results and  
ensure the maximum competitive advantage for  
your product



### Fast and precise timing



### Great flexibility



### Competitive offer



### Total customization

ELEMMASTER.COM





## Research & Development

The Elemaster **International Design Centers**, R&D Division at the forefront thanks to the highly professional skills of more than 60 professionals encompassing system-, hardware-, PCB layout-, software-, mechanical and test engineers, excel in the comprehensive development and redesign of electronic devices and appliances, using best EDA (Electronic Design Automation) tools available.

## HW & SW Development

The hardware design team consists of professional technicians who work in synergy with the software team, taking advantage of the latest technological solutions and taking care of development and updating throughout the product's life-cycle.

## Industrialization DFT + DFM + DTC

Thanks to Design For Testability, Design For Manufacturability and Design To Cost stages, we ensure that all future testing and production operations are carried out as efficiently as possible. Through excellent organization, both in terms of manufacturing and production flow strategies inspired by lean methodologies, we can minimize production costs and easily monitor our industrial processes.

## Rapid Prototyping and NPI

We specialize in the production of prototypes and guarantee constant communication to best respond to your requests in the shortest possible time. We have a manufacturing facility in Northern Italy entirely dedicated to prototypes and innovation.

## Validation and Certification

We use our laboratories for validation processes and for the certification of your products. All certification processes are overseen and guaranteed by TÜV Rheinland Group, leading company in the industry. EMC, climatic, insulation, vibration and shock tests are accredited to the International Standard ISO/IEC 17025:2017 (Eletech Lab) and in addition, we also have a laboratory entirely dedicated to PCB certification and validation, located at Eleprint.

## PCB Production

We can meet any requirement for the production of your Printed Circuit Boards, offering solid experience, cutting-edge expertise and flexibility.

Since more than 35 years, we stand out in the competitive scenario as PCB provider with our own company, covering the entire life cycle of the circuit from the idea to the finished product.

## Cables Production

With a manufacturing area around 1.800m<sup>2</sup> dedicated only to cable production with full automatic and semi-automatic machines we can cover a wide range of applications. With our cable scan TSK we can test low-impedance connections and protection against high-impedance short circuits. Copper, Flat, Coaxial, Battery cables for all types of signal, power supply and HF: all you need, we have it!

Elemaster can manage the entire lifecycle of your products

## PCBA & Box Built

### SMT Assembly

Elemaster uses state-of-the-art technology for the automated assembly of SMD components, exceeding the most stringent quality controls. These include the Solder Paste Inspection (SPI), Automatic Optical Inspection (AOI) and X-Ray Inspection.

### THT Assembly

Elemaster offers THT assembly service using both manual and automatic assembly lines with waves and selective soldering machines, which ensure great flexibility.

### Testing and Controls

We have advanced equipment for the In-Circuit Tests (ICT) with Bed of Nails technology or with Flying Probes. The process, integrated with the phases of On-Board Programming and Boundary Scan (JTAG), ensures maximum production quality.

### Functional Test

The Test Engineering Team is able to develop functional testing equipment according to the specifications required by the customer. The pride of the department is ELETEST, a complete and flexible solution, able to meet the most complex needs.

### Conformal Coating

Each production site has fully dedicated departments for conformal coating process, complete with drying and temperature-humidity climate control facilities. Elemaster offers you the best technology for automatic selective coating.

### Turnkey Solutions

We also manage the final stages of construction of your products to perfection, such as electromechanical assembly, wiring and additional components integration with the "Free Pass" process.

### Logistics and After-Sales

We can manage the logistics & after-sales support on a global scale, by:

- technical assistance, including repairs on returns not made by us;
- Product Refurbishment;
- Evolutive Maintenance and Obsolescence management;
- single point of contact for RMA;
- spare parts management in High-mix Low-Volume;
- direct shipments to distribution centers.

## Engineering Services - International Design Centers

## PCB

## Cables

Elemaster works for companies operating in different sectors, providing great flexibility in production volumes and exploiting processes and technologies. Specialized in High Mix / Low&Mid Volumes.

