

ALUMINIUM

BE AT THE FOREFRONT WITH NEW TECHNOLOGIES IN ENVIRONMENTAL RESPECT



MADE IN ITALY



Electrical Systems
Pedercini

Aluminium
Manufacturing

Steel
Manufacturing



1972

1990

1997

1998

2003

2013

2015

2016



New
Headquarter



GRUPPO PEDERCINI is a company that over years has established partnerships with the most renowned manufactures of machinery and automatic equipment. For Over 30 years we provide specialized service in the field of mechanical assembly and machine field wiring.



AREAS OF SPECIALIZATION

Foundries and Steel mills

Oil & Gas

Automotive

Mechanical

Packaging Machines

Automated manufacturing systems

Logistic systems for disposal goods

Plastic extrusion

Printing machinery





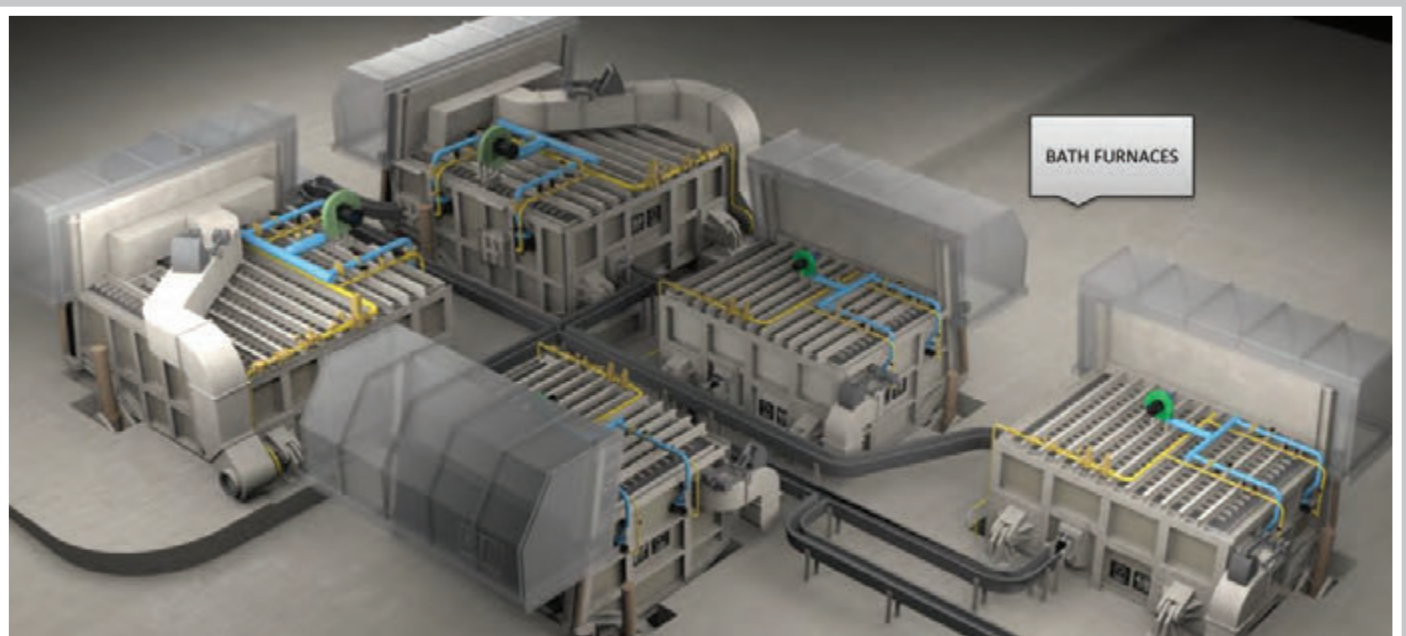
Gruppo Pedercini designs and manufactures furnaces with highly innovative materials and the most advanced systems of supervision and control. We are involved with every aspect of TURNKEY PROJECTS for metal processing industry.



Our know-how in furnaces:

- Tilting Melting furnaces
- Static Melting furnace
- Dry heart Melting furnace
- Double chamber furnace
- Rotary furnace
- Capacity: up to 200T

Max production: 50 T/h



FURNACE HOLDING

Aluminium

Gruppo Pedercini can support our customers in the revamping of their existing plants by installing new technologies to achieve increased quality while improving ambient work conditions and reduce stack emissions. We provide furnace with capacities from 5T to 200T and with combustion plants projected to achieve maximum energy saving.



Thanks to our expertise, the furnaces are manufactured to burn with different type of fuels (natural gas, LPG, Fuel oil). The heating can be made with common burners, radiant, self-healing, recovering and hot air.

“Our melting and holding furnaces are designed and manufactured tailored to suit our customer unique requirements”





FURNACE DOUBLE CHAMBER

Aluminium

The double chamber furnaces (static or tilting type) are designed and built to melt contaminated scrap aluminium. They guarantee high quality production, offer maximum flexibility of charge and operate in a semi-automatic way reducing maintenance services and operator intervention.

We are able to service your equipment and ensure your production remains functional and safe.

Capacity: up to 200T

Max production: 35 T/h



DIE CASTING

Aluminium

With a firm commitment to quality and flexibility, Gruppo Pedercini designs, manufactures, erects and start up industrial plants and equipment (electrical, automation & mechanical), both on turnkey project new equipment and revamping.

We focus on developing energy-efficient furnaces necessary for the completion of professional foundries.



Melting furnace up to 6000 kg

Holding furnace up to 4000 kg

Our know-how in Die Cast furnaces :

- Combustion
- Electric
- Induction

Gruppo Pedercini offers full service Die-cast solutions: all our employees, highly-qualified, trained technicians and engineers have a technical background and a profound knowledge of the industry.



Main features:

- Increase efficiency
- Optimal consistency
- Maximize productivity
- Low maintenance
- High reliability



FURNACE FOR HOMOGENIZATION

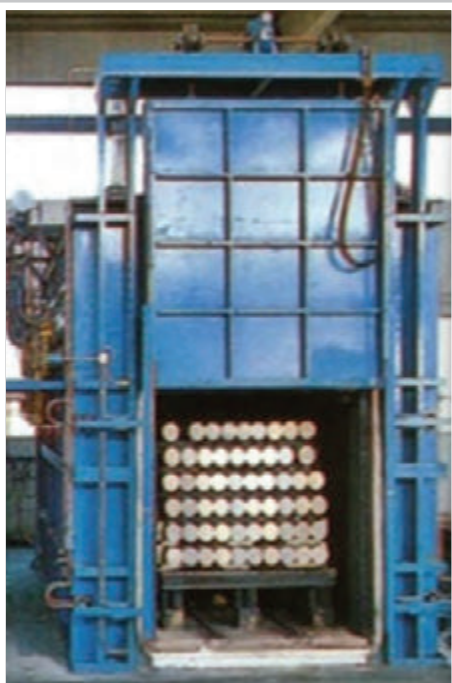
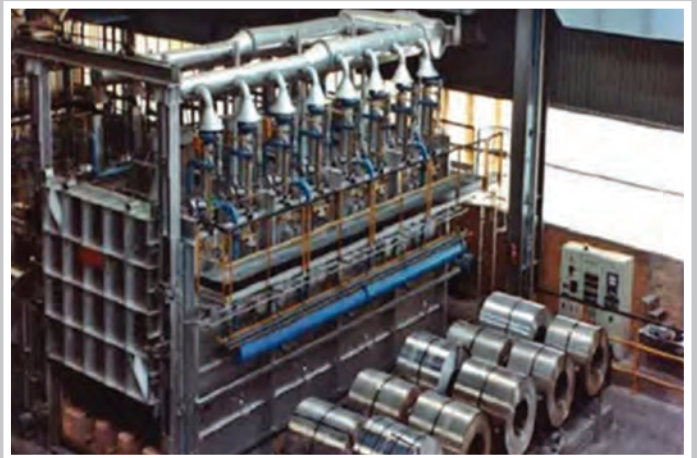
Aluminium

Our furnaces are energy-efficient in order to minimize emissions and wastes. We use the latest state-of-the-art technology, tools and materials to provide a longer life expectancy and a safe furnace.

Capacity: up to 200T

Type of charge: automatic

Type of control: with TC or laser



DROSS PRESS

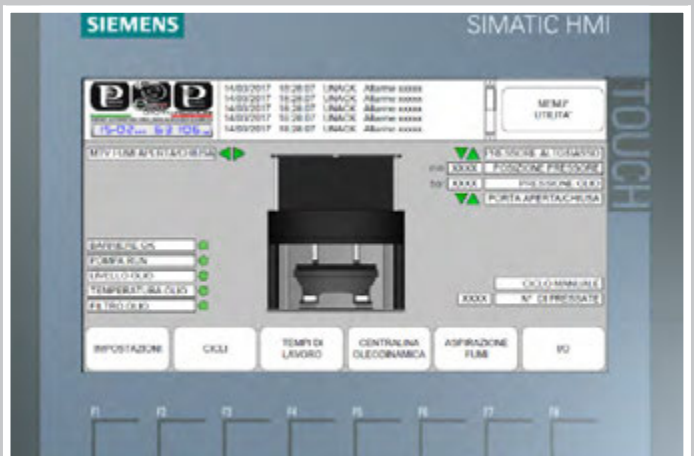
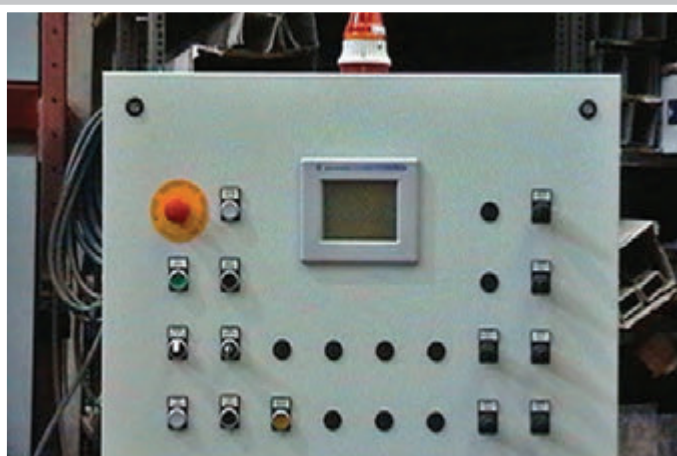
Aluminium

Gruppo Pedercini is a specialist manufacturer of dross press for the aluminium recycling sector. We have the capabilities to design and manufacture any shape and size to meet the customer's individual requirements and needs and above all following standard and norms of the industry. Our dross press is supplied equipped with PLC standard controls.

Features:

- Environmentally friendly
- Minimize waste
- Safe and easy to operate
- Sturdy structure
- Reciper for various alloys

All our plants are quality tested on well-defined parameters in accordance to the specification of our customers.





INGOT CASTING MACHINE

Aluminium

Our ingot casting machine is available with different moulds to suit many applications with a production capacity up to 10T per hour of 8-10kg long bar ingot. It is designed to manufacture aluminum, brass and zinc alloy ingots.

KEY FEATURES

- Maximum productivity
- Minimum downtime
- Long lifetime



BRIEF DATA AND SPECIFICATIONS

Mould type: 8kg long bar ingots

Number of moulds: 180 Mould (TBC)

Number of impressions: 1 per mould

Mould Material: ductile cast iron

Production rate: up to 10t per hour

Mould pre-heat: natural gas burners



Our commitment to constantly upgrading our production process by employing the latest machines and advanced technology make us well reputed among all players of the industry. Gruppo Pedercini offers different solutions of machines to optimize the process and increasing yield of the products.



ADVANCED FUME TREATMENT

Aluminium

Our flexibility and innovation enables us to design and supply complete plants for several applications such as steel mills, foundries, die casting, forging, heat treatment, etc.

- Suction systems and dust suppression (cement and brick industries, textile, paper industries, machining and others)
- Suction systems, reduction of vapors and oil mist, malodorous miasma (chemical industry, die casting, compost etc)

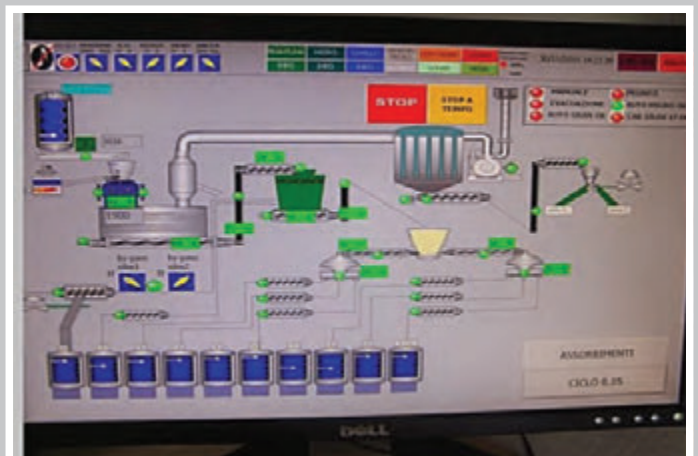
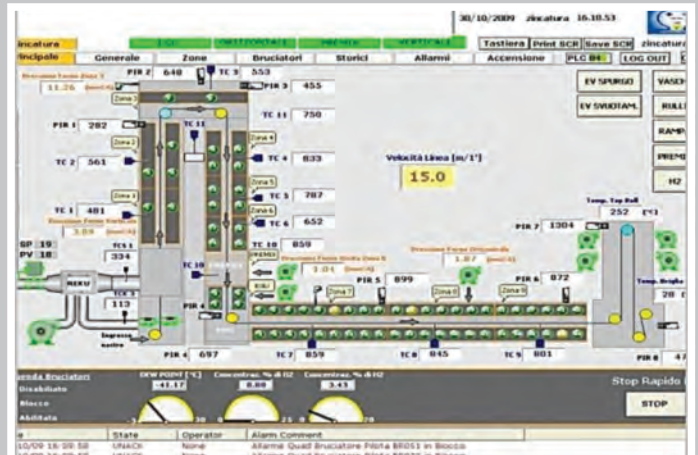
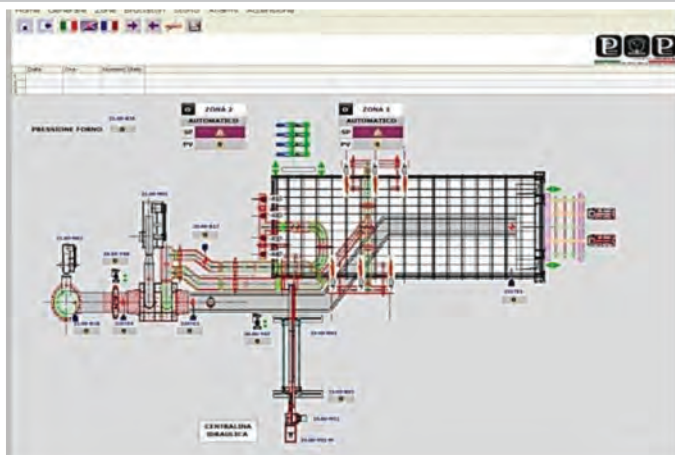
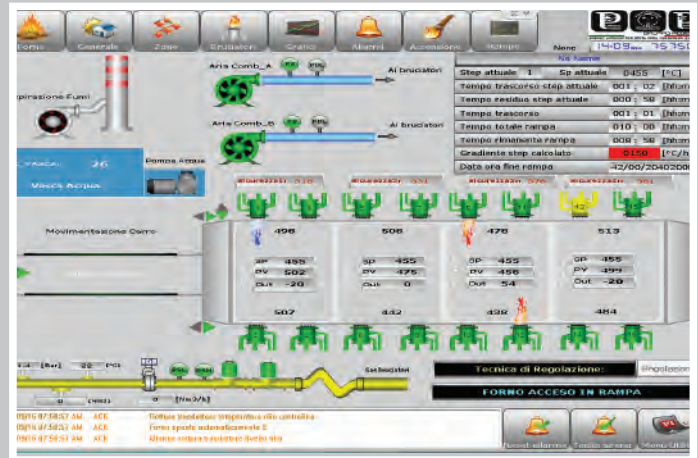
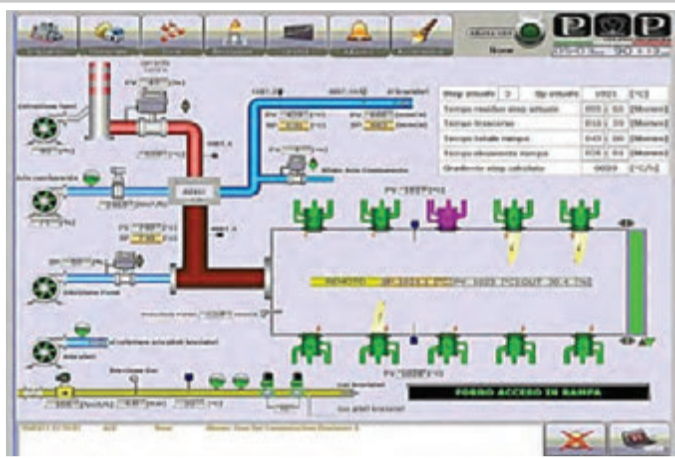
As a result of many years of broad experience in the various fields of industrial plants, Gruppo Pedercini is dedicated in supplying plants with materials able to extract and eliminate all the dust produced by filtering the material. We also deal with the design and manufacturing of bag filters dust and fumes that guarantee excellent results in all applications.





Gruppo Pedercini develops specialized technology systems and Flexible, intuitive and personalized, designed for the management of various kind of industry, enhancing our customer to solve many problems related to automation, control, plant management and industrial processes.

All our Engineers can develop software and interface with server / client technology and also for industry 4.0 In the field of automation and control over furnaces, we design and install software systems that can be interfaced with the integrated systems at our customers' site. All furnaces are supplied equipped with PLC process control and visualization.



BURNERS

Aluminium

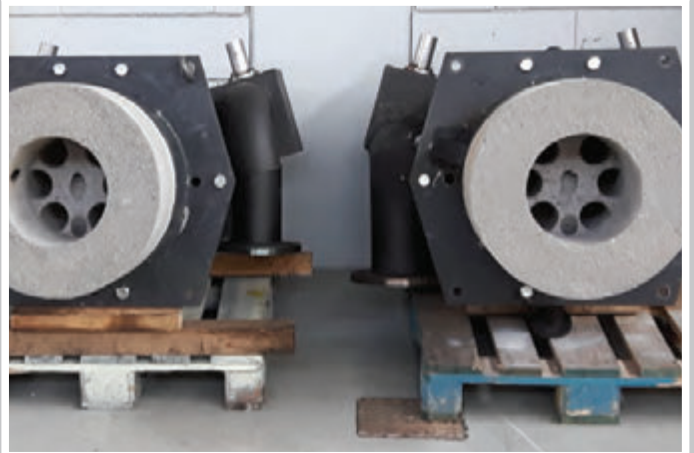
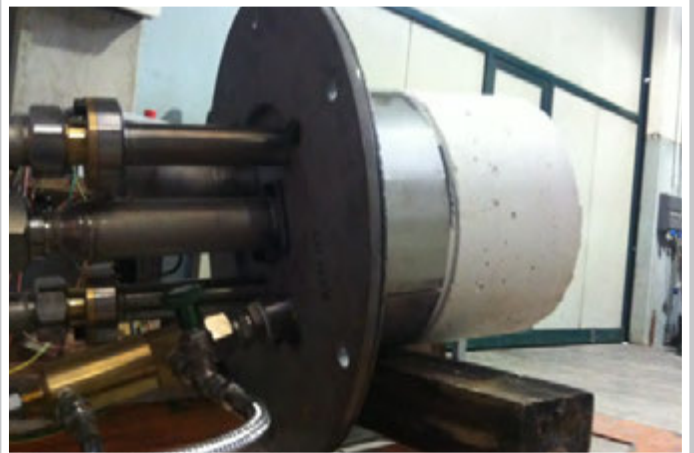
Gruppo Pedercini designs and manufactures standard and custom burners.

A qualified team develops burners for every need and for every type of fuel:

- Natural gas
- LPG
- BFG
- Fuel oil
- Oxyfuel

All our equipment can be used for many purposes in various industries:

- Aluminium
- Steel
- Pig iron
- Copper
- Ceramic
- Glass
- Incineration



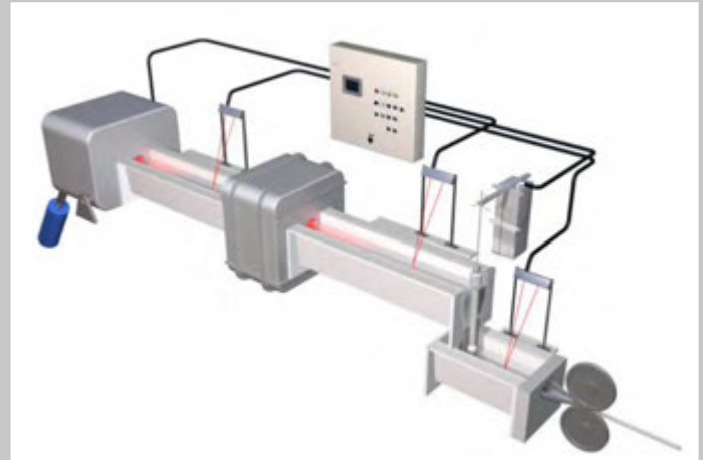


PRECIMETER

GRUPPO PEDERCINI is technological partner and qualified installer for Italy of PRECIMETER.

PRECIMETER is a world leader in the construction of sensors for the aluminium sector.

GRUPPO PEDERCINI and PRECIMETER are able to design and install control systems for all casting applications.



STIRRER

GRUPPO PEDERCINI is technological partner and qualified installer for Italy of ONTECOM.

ONTECOM is a world leader in the construction of STIRRER for the aluminium sector.

GRUPPO PEDERCINI and ONTECOM are able to design and install every type of stirrer for various applications.

Your benefits:

- Rapid chemical and temperature homogeneity
- Reduced dross formation
- Reduced energy consumption
- Increases furnace productivity

Ontecom special features:

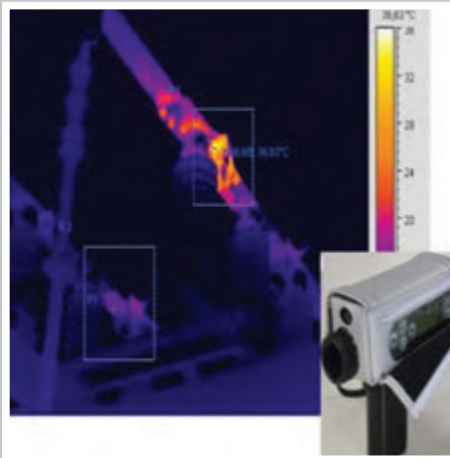
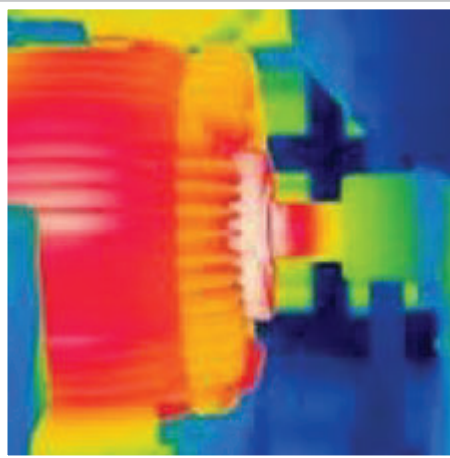
- Compact installation
- Low capital and operational cost
- Bottom or side installation
- Flexible adjustment of working modes: melting, dissolution and etc.
- Fully air cooled
- Low power and excellent power factor



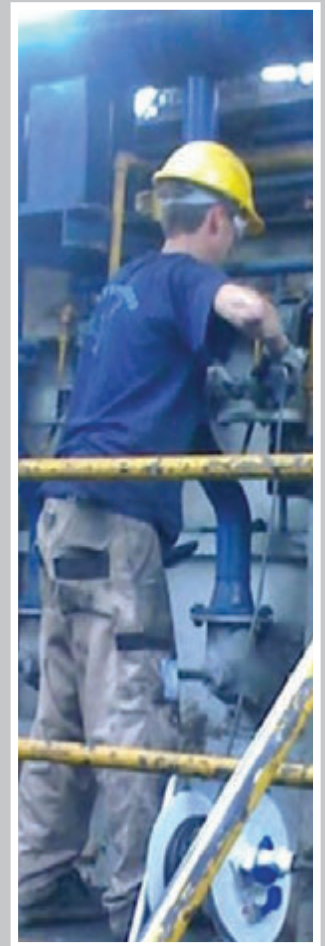
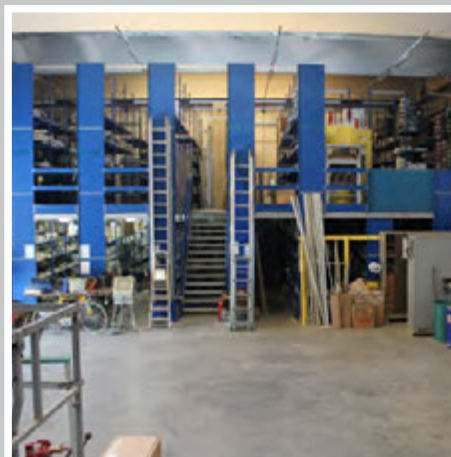
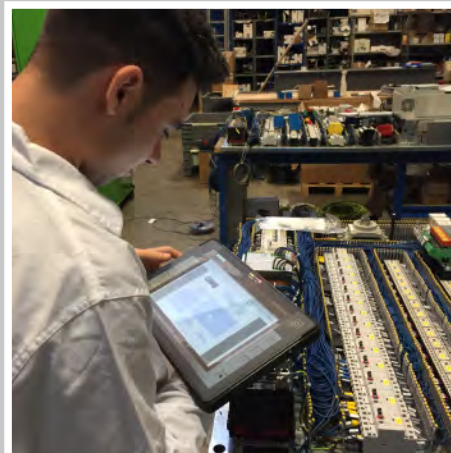
Aluminium

Gruppo Pedercini distributes and offers support worldwide. We also offer a planned and preventative maintenance service designed to guarantee our customers updated technological solutions. Our engineering division staff provides integrated technical expertise and service in:

MECHANICAL EQUIPMENT, HYDRAULIC EQUIPMENT, ELECTRICAL DESIGN



- Control according to EN 61439
- Control according to EN 60204
- Analysis with thermal camera
- Analysis with electrical networks
- Analysis of environmental networks
- Equipment control with the use of certified SIT tools
- Compilation of documents that are necessary to register the controlled activities
- Ordinary and extraordinary interventions for the maintenance of the instrumentation
- Ordinary and extraordinary interventions for the maintenance of combustion plants
- Big Storage for Spare parts





TRAINING COURSE

Aluminium

The Pedercini Group supports and promotes training courses for combustion technicians combustion technicians at HIS headquarters in Nuvolera and, if requested, at the customer's factory.



The training sessions include video projections, practical demonstrations and Final exam with Certificate.



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MADE IN ITALY

