

▲ THE BUILDINGS | FOUNDRY



THE BUILDING

Our manufacturing plant is erected on a piece of land of 5,000 m². The roofed surface area covers 3,620 m² and comprises the following:

▲ Industrial bay

Used for the base processes described under Processes in this website. It occupies a roofed surface area of 2,500 m² and lodges 3 travelling cranes of 5 tons each.

▲ Offices, dressing rooms and quality control laboratory

This module has been built independently, with its own flat concrete framework, enclosure walls and vertical rubble-work divisions. It covers a roofed area of 250 m².

▲ Raw materials bay

Used to store the raw materials duly tied and labelled. It covers a roofed surface area of 500 m².

▲ Finishing bay

It's located adjacent to the production bay and covers a roofed surface area of 370 m², with a free height of 8 meters and a side enclosure shared with the production bay, on the internal street.

▲ Recovery bay

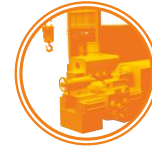
This is used to reclaim the sand of the industrial process to improve the productivity and to obtain an agreed clean production to the effective legislation.



INFORMATION RESOURCES

Thanks to our sophisticated and advanced information systems: ERP (Enterprise Resource Planning) and MRP (Material Resource Planning), we can undertake our processes jointly, calculating and scheduling production levels, with the purpose to render a better service to our customers. This allows our communication with customers to be improved, making our work transparent to them, even though remotely.

Therefore, we are currently implementing an Extranet, which will allow our customers to trace their orders within our work flow. This initiative will be for the benefit of our quality and the continual improvement of our processes.



PRODUCTION FACILITIES

Our company's installed capacity for the production of the different alloys amounts to 500 tones per year, the maximum unit weight handled being of 6,000 kg. This is achieved thanks to our versatile way of working.

Our machinery includes the following:

- 6 induction furnaces of 500 Kva, with 6 vats of 10, 20, 50, 70, 150, 300, 800, 2000, 6000 kg, respectively, each of them fitted with its own cooling systems and hydraulic movements.
- 5 travelling cranes of 5 tones each and 1 of 2 tons.
- 4 heat-treatment furnaces, operating at a maximum temperature of 1,150°C.
- 3 sand mixers handling 6,000 kg per hour each, fitted with conveyor roller system.
- 1 sand reclamation mechanical and thermal process of 3 TN/H.
- 12 Equipment of ground and system of cleaning.
- 3 rotary screw compressors, with a power of 40 HP each.
- 1 ARL model 3640 atomic absorption spectrophotometer, computerized.
- 1 metallographic microscope.
- 1 test piece polisher and mounting press.
- 2 welders of 1,000 amperes each.
- 1 welder of 600 amperes.
- 1 welder of 400 amperes.
- 1 welder of 200 amperes.
- 1 plasma of 3 inches cut.
- 1 sand analyzer.
- 3 metal-shot blasters.
- 1 sand blast.
- 1 magna-flux equipment.
- 1 tint equipment.
- 1 measurer of thicknesses equipment
- 2 horizontal centrifugal casting machines, with a length of 2,000 mm.
- Miscellaneous equipment for finishing and maintenance operations.
- Complementary tooling for finishing and maintenance operations.

