

Manufacturing Facilities

• Piracicaba - SP

- Stainless Steel Plate Shop
- Carbon Steel Plate Shop
- Machine Shop
- Foundry



• Sertãozinho - SP

- Boiler Factory
- Heavy Equipment Factory
- Machine Shop



• Recife - PE

- Stainless Steel & Carbon Steel Plate Shop



• Maceió - AL

- Machine Shop & Carbon Steel Plate Shop



Dedini Foundry



High technology in the production of Heavy Castings

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Facilities

- The Dedini Foundry is located at KM 26.5 of the highway "Rodovia Piracicaba-Rio Claro", in Piracicaba/SP.
- There are 05 industrial sheds and a model deposit on a total area of 158,000 m² and built up area of 18,800 m².



There main items of equipment are as follows:

- 02 induction melt furnaces (1/1 t and 3.5/6 t) and 02 electrical arc furnaces (12 and 38 t), that allow simultaneous pouring of up to 57 t of liquid metal.
- 07 Heat Treatment furnaces, with a capacity of up to 100t/load (10m x 8m x 6m)
- New sand reception system, with 80t storage silos and mechanical sand recovery center with a storage capacity of 10t/h, and storage of up to 1,350 t of recovered sand.

Magma

- For continuous improvement of the process, it has Magma software that enables the safe and economic development of the casting process.



Technical Capability

- Manual molding system by the cold cure process.
- Installed Capacity: 27,000 t/year in parts and 60,000 t/year of liquid metal.
- Heat Treatments carried out: Tempering, Normalization and Processing in oil and water.
- It is qualified to produce cast parts to drawing, and is able to meet the following requirements:



Maximum Unit Weights	T
Carbon Steel (Low & Medium Alloys)	38
Stainless steel	4,5
Gray Cast Iron	30
Nodular Cast Iron	25

Quality

- Has been qualified by STANDARD ISO 9000 / 2000 through Lloyd's Register Quality Assurance Limited, since December, 1996.
- It has Physical and Chemical laboratories, with equipment for the following types of testing: Tensile, Impact, Hardness, Micrograph, Ultrasound, Magnetic Particle, Optic Emission Spectrometer, LECO Carbon Analyzer.



Market Sectors

• Automobile Industry

- Bases, rings and puncturers for stamping; molds and mold-holders for injection.



• Power Generation

- Hubs, Crowns, Paddles, Hydroelectric Turbine driving fins; Housings, bearings and valve bodies for industrial steam Turbines.



• Steel Works

- Coke Doors, Grill Cars, Sludge Pots, Rings and Bearings.



• Cement and Mining

- Crusher Casings, Gears, Support Rollers. Heads for Mills.



• Sugar and Alcohol

- Mill Housings and sleeves, Pinion gears, Combs and Trash Plates, Bronze Shells.



• Machinery and Equipment Industries

- Machine bases, Gears, Housing and parts in general made in accordance with drawings.

