



The Sanmar metals business



Steel

Iron

Sanmar Foundries Ltd

Sand foundry

Investment foundry

Machine Shop

Eisenwerk Erla GmbH, Germany

Sanmar Ferrotech Ltd

Sanmar Foundries

Sanmar Foundries Limited was established in 1998 with an initial capacity of 1,800 tons per annum of sand castings, which has been expanded in stages to the current level of 10,000 tons per annum. In the year 2002, the company had also set up a modern investment foundry which now has a capacity of 1200 tons per annum. A large modern machine shop with CNC VTLs, Vertical and Horizontal machining centres and CNC lathes was added in 2006 that is enabling the company to offer fully machined castings in a wide range of sizes and weights.

The current sand foundry is fully equipped with induction melting furnaces of various capacities from 250 kg to 3 tons producing castings upto 3.5 ton single piece. Metallurgies include carbon steel, low alloy steel, stainless steel, high Nickel alloys and Duplex grades for severe services. In addition to a new automatic moulding line, the unit has core blowers, fully certified Normalising and Quenching furnaces, shot blasting machines, qualified welders and all NDT facilities like Radiography, MPI test, Dye Penetrant test, and the complete range of chemical/mechanical and Impact test equipments. The foundry also has approvals for ISO 9001, 14001, PED, Class society from Lloyds, BV, DNV, and all leading agencies and EPC contractors.

The investment foundry is capable of making castings from a few grams to 40 Kgs single piece and is fully equipped with modern automatic injection presses, shell conveyors, and advanced material handling equipments including a robot and carousel pouring system. Initially set up with a focus on the valve industry, the foundry is now developing new products for the automotive and construction sectors too. The plant can meet the complete range of steel and stainless steel grades to ASTM and EN standards. The foundry also holds approvals for ISO 9001, 14001, PED, Class society from Lloyds, BV, DNV, and all leading agencies and EPC contractors.



Sand foundry



Investment foundry



The Expansion project

The sand foundry has embarked on a major expansion project at an investment of US \$ 20 million with the objective of increasing the capacity from 10,000 tons to 30,000 tons per annum with the automation of the existing foundry and a new foundry for producing castings for valve construction, mining and the transportation industry.

Post-expansion, the foundry will have three fully-automated flaskless moulding lines of sizes 800mm x 800mm, 1100mm x 1100mm, and 1600mm x 2400mm and large area for floor moulding of 3000 mm x 3000mm flasks. The foundry will also have large 6 ton/8 ton melting furnaces for producing castings upto 5 ton single piece. The foundry expansion project is expected to be completed and operational by July 2008.



Eisenwerk Erla GmbH

Eisenwerk Erla is a modern iron foundry in Germany and has a 650 years old history of iron extraction and processing in the Schwarzwasser or 'iron valley'. Acquired by the Sanmar Group in Dec 2007, Eisenwerk Erla offers a wide range of complex automobile castings including exhaust manifold and integrated turbo charger housings. The foundry specialises in core intensive components in Grey Iron, Ductile Iron, SiMo grades and Ni hard. With a capacity of 25,000 tpa and a modern plant and manufacturing technology, Eisenwerk Erla has an impressive customer base that includes Borg Warner, IHI, Audi/Volkswagen Group, BMW, Daimler Chrysler, Honeywell, Mitsubishi and MAN. Eisenwerk Erla has a strong R&D base, with abundant technological skills and patented technology specific to the automobile industry. Eisenwerk Erla's reputation has been built over decades of excellence, customer focus and reliability.



Sanmar Ferrotech Ltd

Sanmar Ferrotech Ltd is establishing a state of the art iron foundry in Gummidipoondi, near Chennai, with an initial capacity of 25000 tons per annum. This foundry plans to manufacture the basic product lines like exhaust manifold, bearing caps and other auto components for the German Foundry at Erla, and its international customers. It will also cater to the growing demand from the domestic and North American markets using the technology inputs from Germany to meet the demands from the automobile, construction and the general engineering sectors. Starting initially with a vertical moulding line, the foundry will be adding a horizontal moulding line that will increase the capacity to 50000 tons per annum in the future. The first phase of the foundry project is scheduled to be operational by August 2008.

Sanmar Foundries Ltd has a long track record of excellence in metal cutting through its JV companies for control valves, regulators, safety relief valves, quarter-turn isolation valves, mechanical seals and solenoid valves. The experience and knowledge in machining these complex parts is now being extended to the foundry customers through the Machine Shop.

The Machine Shop has been steadily adding CNC machines to support the foundry operations and to meet the emerging needs of its customers. Our Machine Shop also assembles and supplies products as contract manufacturing to select customers. We are also building expertise in special surface treatment processes like induction hardening, electro polishing, etc.

Machine Shop



Our machines include..

- Horizontal Machining Centres (HMC) – 5nos
- Vertical Machining Centres (VMC) – 2nos
- CNC turning Centres – 6nos
- Vertical turning lathes – 4nos
- Wide range of conventional machines

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