Steel Foundry

Infrastructure

Facilities		VSA	VSF	VSC
Pattern Shop	Pattern Manufacturing	Manufacture Teak wood & Aluminium pattern tooling from our approved vendors		
	In-house Facility	Inspection, Methoding/Mounting & Re-conditioning of pattern tooling		
	Design Software	SOLID WORKS, AUTOCAD		
	Simulation	Magma 5.3 for Methoding Simulation		
Moulding	Process	CO2 process for sand & Centrifugal casting process	CO2	Alfa set
Melting	Medium Frequency Induction Furnace	150 kgs	1000 Kgs	250 kgs
		300 Kgs	2500 Kgs	500 kgs
		1500 Kgs		1000 kgs
		2500 Kgs		
Heat treatment	Electric Furnace	2T, 2.5T & 5T	2T & 3T	1T & 5T
	Gas Fired Furnace	3T	5T, 10T	5T
		3T (Auto Quenching)		
Fettling		In house facility at all the units		
Testing Lab	Chemical	Optical Emission ARL 3460 Spectrometer & PMI at all the units		
	Mechanical	All the units have In-house testing facility (Yield/Tensile/Bend Test/Hardness)		
	Corrosion	All the units have In-house testing facility (IGC/Pitting Corrosion/Ferrite/Microstructure)		
	Certification		ISO/IEC/17025 accredited	
	Impact (-196 to +22 ˚C)	EN ISO	EN ISO & ASTM	EN ISO
NDT	Radiography	Ir & Co (In-house)	Ir & Co (In-house)	Not available
	LPE, MPI & UT	In house	In house	In house

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