

Infrastructure & Spare Capacity Details

		Plant		United Foundries Private Limited		Unicast Alloys Private Limited	
		Location		Ranipet		Pollachi	Under Expansion
S.No	Infrastructure	Steel	SG / Grey	SG / Grey	SG / Grey	SG / Grey	SG / Grey
1	Induction Furnace	1 ton 450 KW - 1 No.	1 ton - 750 KW ; 0.5 ton - 450 KW 1 no. each	2 ton - 550 KW ; 1 ton - 1500 KW ; 1 ton - 550 KW each	1 no.	1 - ton Tritrack 3000KW (Output 5000 tons per hour)	
2	Mold Line Type	Hand Mold	DISA2110 MK2 Vertical High Pressure line.	ARPA-300		KOYO Horizontal High Pressure Line	
3	Sand Process	Co2	Green Sand ; Co2	Green Sand		Green Sand	
4	Match Plate Size	~	DISA 400L x 500W X 115 – 315 mm	520 x 400 x 120 / 150 ; 520 x 520 x 120 / 150		700L x 600W x 160-250/ 160-250TMM	
5	Weight Range	50 Kg to 600~700 Kg	1 Kg to 15 Kg	1 Kg to 30 Kg		5 Kg to 40 Kg	
6	Core Type	Co2	Co2	Co2, No bake, Oil, Air set		Co2, No bake, Oil, Air set	
7	Heat Treatment	2 ton Electrical, with water quenching - Bogie type	(Can be outsourced if necessary)	(Can be outsourced if necessary)		(Can be outsourced if necessary)	
8	<u>Laboratory Facilities</u>						
	a. SPECTRO	√	√	√		√	
	b. Brinell Hardness Tester	√	√	√		√	
	c. Tensile		√	√		√	
	d. Microscope Image Analyser		√	√		√	
	e. Magnetic Particle Inspection	√	N.A	N.A		N.A	
	f. Impact	√	N.A	N.A		N.A	
9	<u>Sand Lab Testing Facilities</u>						
	a. G.C.S Machine	N.A	√	√		√	
	b. Permeability	N.A	√	√		√	
	c. Compactibility	N.A	√	√		√	
	d. Moisture	N.A	√	√		√	
	e. Mold hardness tester	X	√	√		√	
10	Shot blast	√	√	√		√	
11	Painting	√	√	√		√	
12	Powder coating/ Galvanization	Outsourced	Outsourced	Outsourced		Outsourced	
13	Quality Certification	ISO TS/ IBR/ PED	ISO TS	ISO TS		X	
14	Available Spare Capacity per month (as on Oct'11)	200 tons	350 tons in DISA	600 tons		2500 tons	
15	Core Products	All types of Valves & General Engg. Items	In high pressure DISA line - Torque plates, Bearing cap, Selector Forks, Brackets, Pressure plates, Brake plates	Brackets, Gear boxes, Manifolds, Brake Drum, Pistons, Glands, Differential Case & Housings		Focusing on Tractor/ Compressor/ Commercial vehicle, Gen. Engg, Construction segments	