



**SGA ALLOYS  
PRIVATE LTD**

# About Us

**SGA ALLOYS PRIVATE LIMITED**– known as **SGA** was established in the Year 2010. SGA is one of the leading steel foundry positioned at Coimbatore - INDIA. It has been manufacturing the wide range of quality sand casting products in carbon steels, alloy steels, stainless steel, AND duplex stainless steel. The factory is build in 2 Acer's of land with 60 employees with advance Technology and International standard testing facilities. We cater to various demanding requirements of many leading valve, pump industries. This plant has a monthly production capacity of 80 tones to meet the most challenging quality requirements with modern manufacturing facilities.

SGA Certified for quality system as per ISO-9001:2015 by TUV NORD. Our range of castings varies in weight from 5Kgs to 350 Kgs. With both low and high pressure clause. Confirming to grades in IS, ASTM and EN standards

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## Contact Us

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# Alloys



**fully Machined  
components**



**Impellers**



**Nickel Base Castings**



**Pump Casings**

# Infrastructure

## Moulding:

Sodium silicate + CO2 moulding with facing and backing sand, CO2, Airset and Shell core system is being used. Appropriate moulding boxes would be fabricated to keep moulding cost under control. Proper regeneration method would be employed to recover maximum sand for backing purpose.

Sl.No	Description	Qty	Capacity
1	EOT Crane	2	2 & 5Tons
2	Sand Mixing Muller	2	350Kg
3	Core Sand Mixer	1	100 Kg.
4	Moulding Boxes of Various Sizes	-	-
5	Sand Pulverizing Machine	1	5ton/hrs

## Heat Treatment Furnace with Water Quenching Facility:

1 ton & 2ton electric Heat treatmentfurnace with calibrated at 1200°C  
By third party TUV Nord.

\* Almond Duppler Man Cooler - 30”(1440 Rpm) For Forced Aircool - 1NOS.

## Welding Qualification:

Procedure qualification(WPS) and Welders  
qualification(WPQ) for ASME and EN Standards qualified by TUV.

# Infrastructure

## Fettling:

Fully fledged fettling shop with 500kg Hanger type Shot Blasting Machine, type Shot Blasting Machine, equipped with dust collecting system. Hi-speed Flexible shaft grinders, Pedestal grinders, Welding Generators / Rectifiers, acid pickling, and passivation facility for entire capacity planned in-house which would ensure timely delivery of castings.

Sl.No	Description	Qty	Capacity
1	Shot Blast Machine	1	500kg
2	D&H Inverter	1	400 Amps.
3	Arc cutting Rectifier	1	450 Amps
4	Swing Frame Grinder	2	-
5	Flexible Shaft Grinder	11	-
6	Inverter	1	400 amps
7	Compressor 15 HP	1	15 hp

## Material Handling :

Sl.No	Description	Qty	Capacity
1	Electronic Weighing Scale	1 No.	1000 Kg
2	Electronic Weighing Scale	1 No.	300 Kg
3	Electronic Weighing Scale	1 No.	50 Kg
4	Bench & Tool Grinder	1 No.	-

# Infrastructure

## Power House :

**275 kVA Genset**

We have 112 kVA Low Tension Power Supply, Special welding line 81 KVA power supply and 275 kVA Cummins Genset for backup.

## Testing and Inspection:

Sl.No	Description	Qty	Capacity
1	Spectro meter (Spectro Maxx-Type LMX07M Bench Top)	1	32 Elements
2	Chemical Laboratory Equipped with Carbon & Sulphur Apparatus, Muffle Furnace, Physical Balance & Other Wet Analysis Facilities	1 Unit	-
3	Universal Testing Machine(Make-FSA)	1No	40tons
4	Temperature Pyrometer Make suyash	1 No	0-1700°C
5	Inspection & Marking Table	1 No.	-
6	All types of Tools & Measuring Instruments for Casting & Pattern Inspection(300mm Vernier, 600mm Vernier & Height Gauge	1 Set	-
7	Hardness Testing Machine	1 No	945 BHN
8	MPI Machine:DHEV ENGG PS 2000 AMPS (Prod Type)	1 No	2000 AMPS
9	Charpy Impact Machine ( AIT-300 – ASTM )	1No	300J
10	Radiographic Flim Viewer Model LH-12 LED	1No	1 Nos
11	Radiographic Calibration Densitometer (CALDEN CD-1)	1nos	0 - 4.00 d

# Our Gallery





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*Thank You*