InspirOn Engineering Private Limited

Surey No.320, Near GIDC Odhav, Odhav Road, Ahmedabad-382 415, Gujarat-India

CAPACITY AND CAPABILITY OF MANUFACTURING FACILITY

FOUNDRY			
Gravity Die Casting (GDC) - 9 Nos			
Type of machinery	**Make**	**Qty**	**Size**
Gravity Die casting Machine	Samrat Engimech P. Ltd.	1	600 x 600 x 800 mm
Gravity Die casting Machine	In-House	1	400 x 400 x 500 mm
Gravity Die casting Machine, TILT – 0° to 90°	Cat Engineering	3	800 x 800 x 800 mm
Gravity Die casting Machine, TILT – 0° to 90°	I-Tech Automation	1	1000 x 800 x 1100 mm
Gravity Die casting Machine, TILT – 20° to 90°	I-Tech Automation	1	1000 x 800 x 1300 mm
Gravity Die casting Machine, TILT – 0° to 90°	J B ENGINEERING AND AUTOMATION	1	800 x 800 x 800 mm
Gravity Die casting Machine, TILT – 0° to 90°	J B ENGINEERING AND AUTOMATION	1	1800 x 1400 x 1600 mm
Low Pressure Die Casting (LPDC) - 4 Nos			
Type of machinery	**Make**	**Qty**	**Size**
Low Pressure Die Casting Machine	Kurtz - Germany	1	1000 x 800 x 1400 500 Kg Holding furnace
Low Pressure Die Casting Machine	Susha Founders & Engineers	2	1000 x 800 x 1400 500 Kg Holding furnace
Low Pressure Die Casting Machine	Susha Founders & Engineers	1	1150 x 900 x 1400 800 Kg Holding furnace
Melting Furnace - 18 Nos			
Type of machinery	**Make**	**Qty**	**Size**
Resistance Heating Melting	Fuel Furnace Manufactures	5	200 Kg
Resistance Heating Melting	Fuel Furnace Manufactures	2	500 Kg
Resistance Heating Melting	Fuel Furnace Manufactures	2	500 Kg
Resistance Heating Holding	Fuel Furnace Manufactures	7	350 Kg
Resistance Heating Holding	In-House	1	400 Kg
Resistance Heating Holding	Fuel Furnace Manufactures	1	1000 KG
Degassing - 4 Nos			
Type of machinery	**Make**	**Qty**	**Size**
Gantry Degassing Unit	Foseco	1	-
Mobile Degassing Unit	Morgan	1	-
Mobile Degassing Unit	Feb Tech Industries	2	-
Others			
Type of machinery	**Make**	**Qty**	**Size**
Density Analyzer (DA)	Energy Systech	2	-
Vacuum Sampling Machine (VSM)	Energy Systech	2	-

Type of machinery	Make	Qty	Size
Mechanical Power Press	Shailesh	1	50 Tons
Hydraulic Press	In-House	1	-
Bandshaw Machine	Jyoti Bandsaw machine	3	-
Decoring Machine	Susha Founders & Engineers	1	-
Riser cutting machien for Bigger	Chandi Tex Engg. Works	1	Cutting OD 1000 mm
Robotic System for Metal pouring in GDC section	Maxion Automation	1	7 Axix Robo
HEAT TREATMENT			
Type of machinery	**Make**	**Qty**	**Size**
Drop Bottom quench annealing	PIONEER FURNACES PVT LTD.	1	500 kg
Drop Bottom quench annealing	Energy Systech	1	1000 Kg
Ageing furnace	Energy Systech	1	500 Kg
SURFACE TREATMENTS			
Type of machinery	**Make**	**Qty**	**Size**
Airless Shot blasting machine (Hanger Type)	Surface Finish Equipment Co	1	-
Conveyoriz Powder Coating booth and oven	Surftech System Pvt Ltd	1	Weight Capacity up to 30 KG
Anodizing plant	SS Enterprise	1	Normal Anodizing
Die Clening Unit	Finiprak Engineering LLP	1	Rotaty table 1000 X 1000 and Wt. up to 1500 Kg
CORE SHOOTER			
Type of machinery	**Make**	**Qty**	**Size**
Shell core shooter machine	Susha Founders & Engineers	1	375 x 450 mm
Vertical Tilting Rollover Shell Core machine	Compax Industrial System Pvt Ltd.	1	800 x 800 x 800 mm
CNC MACHINE SHOP			
HMC - 3 Nos			
Type of machinery	**Make**	**Qty**	**Size**
Horizontal Machining Centre	BFW Prima 44	2	600 x 600 x 600 mm
Horizontal Machining Centre	Mazak	1	560 x 640 x 640 mm
Turning Centre - 6 Nos			
Type of machinery	**Make**	**Qty**	**Size**
Turning Centre	Mazak	1	Ø200 x 350 mm
Turn-mill Centre	Mazak	1	Ø200 x 550 mm
Turning Centre	BFW -Neo plus	1	Ø300 x 305 mm
Turnmill Centre	BHTM 2070	1	Ø340 x 655 mm
Turning Centre	PL600	1	Ø660 x 1500 mm
Turning Centre	Neo 2050	1	Ø340 x 450 mm
Vertical Machining Centres (VMC) - 9 Nos			
Type of machinery	**Make**	**Qty**	**Size**
Vertical Machining Centres 410	Mazak	1	762 x 410 x 510 mm
Vertical Machining Centres 530	Mazak	1	1050 x 530 x 510 mm
Vertical Machining Centres	BFW - Novell 2 pallet	1	650 x 510 x 510 mm
Vertical Machining Centres	BFW - BMV-65	1	1280 x 700 x 650 mm
Vertical Machining Centres	BFW - BMV-70	1	1500 x 810 x 710 mm

Type of machinery	Make	Qty	Size
Vertical Machining Centres	BFW -544 XTRON	1	500X400X400 mm
Vertical Machining Centres	BFW -XTRON-955	1	1100 x 500 x 500 mm
Tool Presetter	Nikken E-346 +	1	Ø360 MM X460 mm length
Vibro Machine with re-cycling Unit	Vibro Equipment Pvt Ltd	1	Ø 1000 X Thickness (100 to 500 mm)
TOOL ROOM			
Type of machinery	**Make**	**Qty**	**Size**
Conventional Lathe	Nagmati / Bhavya m/c tools / Vinit	3	-
EDM	Electronica	1	-
Radial Drill Machine	Bhavya Machine tools	1	-
Conventional Milling with DR	B F W / Bhavya m/c tools	2	-
Surface Grinder	Pinaccle	1	-
Pillar Drilling	Eifco / S K Industries	2	-
Tool and Cutter Grinder	Tool Craft	1	-
Pantograph	Tool Craft	1	-
QUALITY ASSURANCE			
Type of machinery	**Make**	**Qty**	**Size**
Helium Leak Testing System	Tackman India	1	Chamber size of Dia. 1300mm x 1000mm and capable of testing a casting up to 1 meter long. It is competent to detect leak rate up to 1 x 10-6 mbar l/s (Litre/Second) and is consisting of Helium recovery unit also.
Co-ordinate Measuring Machine	Carl-Zeiss	1	1200 x 1000 x 600 mm
2D Height Master	Mitutoyo	1	0-600 mm, Least Count 0.001 m
Emission Spectrometer	Amtech - Spectro check	1	Element Measured : 27 Element
Surface Roughness Measurement	Mitutoyo	3	Least Count - 0.01 µm
Leakage Testing Machine	JEMS	1	up to 6 Bar Air pressure
Hardness Tester	Saroj	1	3000 Kg, Brinell Hardness Tester
Portable Hardness Tester	Proceq	1	Rockwell & Brinell Hardness Teter
Electronics Universal Testing	FIE	1	200 kN
Electrical Conductivity	Technofour	2	-
Boroscope	Olympus	2	-
DFT Meter	Electophysik	1	-

Regd Office and ***Unit-1*** *, Established in 1973, Located at* ***Odhav, Ahmedabad, India***

Plot Area: 15129 m²

Unit-2 *, State of the Art Casting Manufacturing Facility, Established in 2020, Located at* ***Chandial, Ahmedabad-India (22 Km from Odhav plant)***

Plot Area: 27883 m²