

Company Profile

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Assertive Industries LLP.

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Introduction

Assertive Industries LLP. was incorporated in 2024 and it started its operations with **production of HPDC** (Aluminium castings). We added facilities like the Tool Room, VMC which brought the capability to provide **machined parts** and finished Aluminium castings.

We have a capable team and facility to **Design, Manufacture**

- Dies (HPDC)
- Fixtures (Railways, Aerospace, R&D, Defense, Automobile)
- Test Rigs and Test set-ups

We expanded our scope into **Sand casting** of Non-Ferrous metals like Aluminium Bronze, Copper, and Brass with capacity of 300 kg per day. We produce **prototype parts** in batch production for OEMs and Tier1 Suppliers in the form of castings, Machined parts and Assemblies.

Recently we have started producing Wear and tear parts to support HPDC industries like Shot Sleeves, Adaptors, Pins, Ejector rods, Material Handling equipment.

Vision

To achieve the market leadership position in the manufacturing of Machined Aluminium Die casting, Sand casting of Non Ferrous metals and Fixtures & Tooling.

Mission

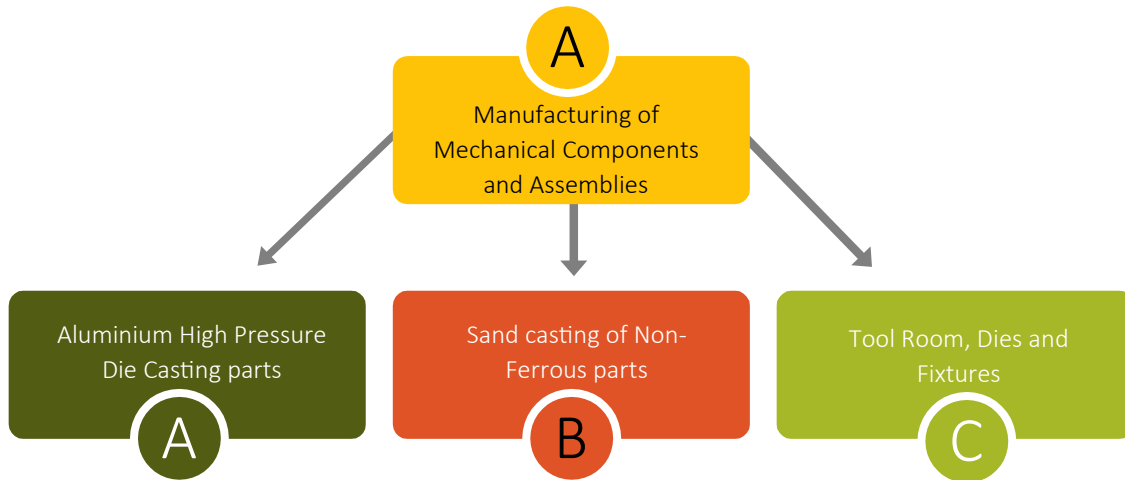
Commitment to provide outstanding product and unsurpassed services that, together deliver great value to our esteemed customers.

Quality Policy

- Assertive Industries LLP. is committed to deliver the quality products & services which will meet the customer specifications within specified timeline & cost effectiveness.
- Committed to maintain effective quality management systems through continual improvements. We provide training periodically to our team as per need.

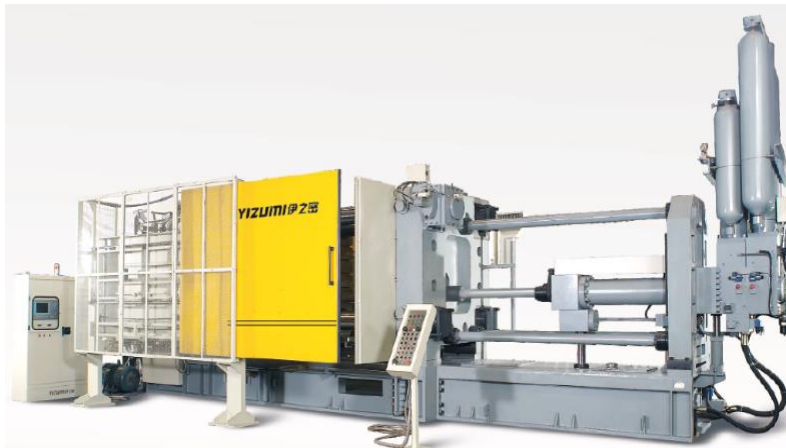
Manufacturing Plant

Manufacturing Plant of 7000 sq. ft. area is located in MIDC Phase II, Vasuli, Chakan.



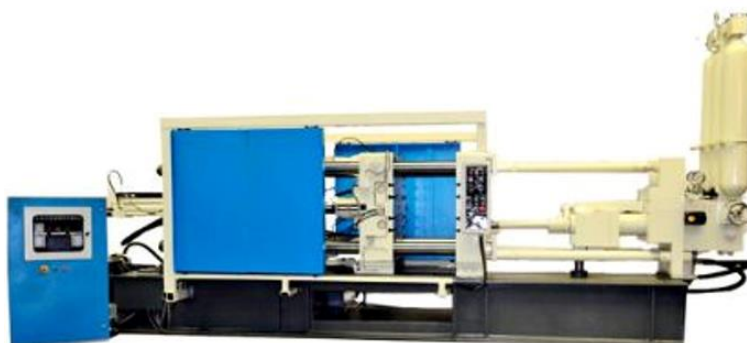
High Pressure Die Casting Machines-

Yizumi 650T



No.	Specification	Unit	Technical Parameter
1. Die Close Unit			
1	Die Locking Force	KN	6500
2	Die Stroke	mm	670
3	Die Height (min.-max.)	mm	350-900
4	Platen dimensions (HXV)	mm	1280x1280
5	Tie-Bar space (HXV)	mm	850x850
6	Tie-Bar Diameter	mm	160
2. Injection Unit			
1	Shot Force	KN	540
2	Shot Stroke	mm	650
3	Plunger Diameter	mm	70,80,90
4	Injection Weight (Al)	kg	4.6,6.1, 7.7
5	Casting Pressure (Intensification)	Mpa	140,107,84
6	Casting Area	cm2	46,06,01,764
7	Casting Area (Max.) (40 Mpa)	cm2	1625
8	Shot Position	mm	0, -250
9	Plunger Following stroke	mm	280
10	Shot Sleeve Flange Diameter	mm	165
11	Shot Sleeve Flange Protrusion	mm	15

Techno 180T

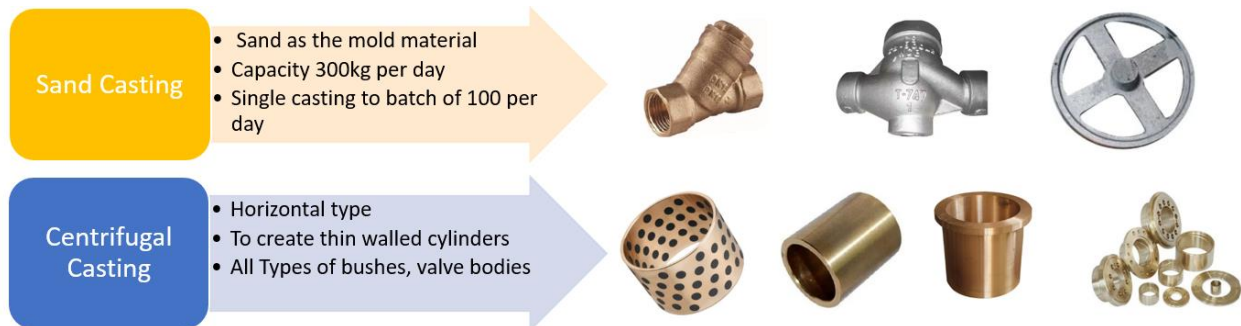


Specification	Technical Parameter	Unit
Locking Force	180	Tones
Injection Force	30	Tones
Hydraulic Ejection Force	15	Tones
Die Mounting Plates	760*740	mm
Space Between Tie Bars	470*470	mm
Max Die Height	600	mm
Min Die Height	200	mm
Tiebar Diameter	90	mm
Die Opening Stroke	450	mm
Injection Stroke	300	mm
Ejection Stroke	100	mm
Shot Capacity	3000	GM

Machines for Post HPDC operations –for Fettling and Shot Blasting



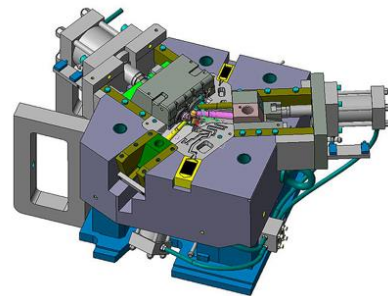
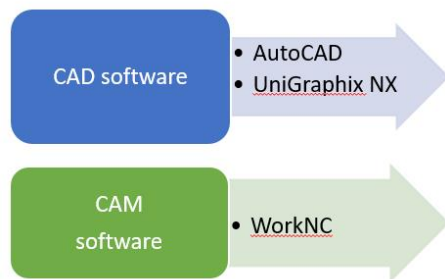
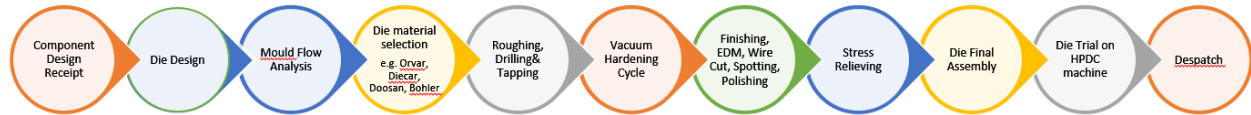
Sand, Centrifugal Casting (Non Ferrous type)



Manufacturers of castings of following material as per specifications of IS, BS, DIN and ASTM :

- Aluminium
- Aluminium Bronze
- Gun metal
- Leaded Tin Bronze
- High Tensile Brass
- High Conductivity Copper
- Phosphorous Bronze
- Aluminium Si
- Manganese Bronze

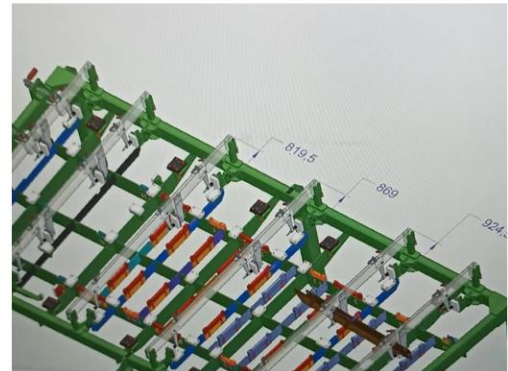
Die design and manufacturing



Fixture design and manufacturing

Design and Manufacturing of Fixtures-

- Fixtures for CAR Body, Bogie, Tackles, Platforms
- Automobile BIW Fixtures
- Four wheeler Exhaust Fixtures
- Seat Frame welding fixtures
- Assembly Fixtures
- Inspection Fixtures
- Machining Fixtures



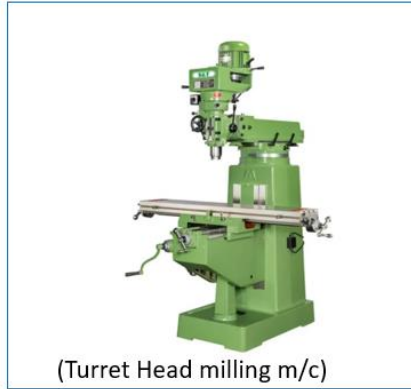
CNC machining

- Precision CNC machining services include CNC milling and turning of aluminium parts, stainless steel, steel, brass and even plastic components. We have CNC machines to fabricate a broad range of customized parts.
- Send us your 3D files and drawings. We fabricate *CNC machined parts* according to your drawings and specification



AMS V1060 VMC

General purpose machines - for Tool Room applications



General purpose machines - for Fabrication and Production applications



Prototype manufacturing

- Metal Prototype: We use sand casting, CNC machining, tool room machines to produce prototype as per Drawing.
- 3D printing: 3D scanning followed by CAD model and then 3D printing (SLA)



Quality Lab

- Height gauge
- Density Analyser
- Magnifier
- Surface plate

