

ESTEEM AUTO

Leading Manufacturer of :
Cylinder Liners, Sleeves & Air Cooled Blocks



www.esteemauto.com



Different types of Wet / Dry Cylinder Liners and Air Cooled Blocks for AUTOMOBILE (Passenger Cars, Pickups, Buses, Trucks, Trailers), EARTH MOVING, MARINE, GENERATOR, TRACTOR, COMPRESSOR and INDUSTRIAL applications.





Company Overview

Esteem Auto Pvt. Ltd. is an ISO/TS 16949:2016 certified leading manufacturer and exporter of Wet & Dry Cylinder Liners, Sleeves, Air – Water Cooled Blocks, Valve Guides and custom made casting parts for automobile and industrial engine applications. We are in this business since last 38 years and now produce over 1.8 million cylinder liners per year. We are proud of our more than 500 plus employees, who are well experienced and technically qualified to produce highest quality product.

Our manufacturing facility is strategically located at industrial area in Rajkot, India. Foundry consists of Induction Furnaces with 5 Automatic, 300 manual centrifugal casting machines and automatic shell molding with core shooter machines. We have proprietary process, developed in-house, to produce highest quality of centrifugal casting.

Our goal at Esteem Auto Pvt. Ltd is to ensure the highest quality of our products and to attain that we follow rigorous quality assurance process. Machine shop has CNCs (Horizontal and Vertical), special purpose boring, Plateau honing, Centre less grinding and custom made lathe machines for the precise job with strict tolerance. We have invested in equipments like various Special Gauges, Roughness Tester, Slip Gauges, Height Gauges, Ferro lab, Metallurgical Microscope, Spectrometer from Spectromaxx Germany, Tensile Tester, Hardness Tester, Equator from Renishow UK and Profile Projector etc to help our QA team to do the best job. On-site Spectrometer helps us to maintain our chemical composition for each casting batch conforming to the I.S.S., B.S.S. or ASTM specifications provided by our customers. We also have a state of the art Laser-Marking machine to facilitate proper part marking & identification.

1 FOUNDRY

2 PROOF MACHINE

3 MACHINE SHOP - 1

4 PACKING

5 MACHINE SHOP - 2

6 MACHINE SHOP - 3

7 QUALITY CONTROL

8 INDUCTION HARDENING

9 DESIGN, R&D

10 OFFICE

11 CANTEEN





Our Vision



To become a preferred OEM and Aftermarket partner for all casting requirements, while adopting green manufacturing technologies and lean practices in all our processes.

Bhavesh Limbasia
(Managing Director)



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E-mail : exports@esteemauto.com
Web : www.esteemauto.com

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E-mail : exports@esteemauto.com
Web : www.esteemauto.com

USA OFFICE:

4 Jamieson Pl, Princeton Jct,
NJ 08550, USA
E-mail : sales@esteemauto.com
Contact : Mr. Nilesh Limbasia (USA)
(Director, International Sales)

Production Area :

Description	Sq. Feet	Sq. Meter
Total Area	: 275,550	23,500
Foundry (Division 1, 2 and 3)	: 40,600	3,750
Semi Finished Machine Shop	: 16,500	1,600
Finish, Turning, Boring & Honing Shop	: 27,400	2,500
Finish Grinding & Final Inspection	: 12,600	1,150
Finish Goods Packing & Storage	: 16,500	1,600
Office Area	: 5,000	470

Manpower Employed :

Total : 500+

Plant Capacity :

Foundry shop : 2000 M. Ton per month
Machine shop : 300,000 pcs. per month

Quality system :

IATF 16949:2016 Certified by URS
Certificate No. 102745/A/0001/SM/EN Date 15-02-2019
ISO 9001:2015-Certified by URS
ISO Certificate No. 102745/AA/0001/SM/EN Date 15-02-2019

Product Range in Size :

Internal Diameter : 40 mm to 325 mm
Outer Diameter : 45 mm to 350 mm
Length : Up to 600 mm

Products :

All type of Cylinder Liners and Sleeves
Air - Water Cooled Blocks
All types of Casting Parts
Valve guides

Plant Location :

50 minutes from Mumbai by Air
225 Kms. from Ahmedabad City

Nearest Ports :

Kandla Port : 200 km.
Mundra Port : 250 km.
Pipavav Port : 150 km.

Import Export Code Number : 2404002244

Membership :

Engineering Export Promotion Council (EEPC)
Confederation of Indian Industry (CII)
Rajkot Engineering Association (REA)
Automotive Aftermarket Industry Association(AAIA-USA)

Achievements :

2004-05 Greenery Award from GIDC Metoda
2009-10 Star Performer Award From EEPC
2010-11 Special Contribution Award from EEPC
2010-11 Top Exporter Award from Central Excise and Customs
2011-12 Star Performer Award From EEPC
2012-13 Special Contribution Award from EEPC
2012-13 Top Leading Exporter Award from Central Excise and Customs
2013-14 Star Performer Award From EEPC
2014-15 Star Performer Award From EEPC





We make over **5000**

types of Cylinder Liners, Sleeves and Air/Water cooled Blocks for different types of engines.

Products Range

We make over 5000 types of Cylinder Liners, Sleeves and Air/Water cooled Blocks for engine variants suitable for:

- ✦ ANDORIA
- ✦ ASIA
- ✦ AUDI
- ✦ AUSTIN
- ✦ BEDFORD
- ✦ BELARUS
- ✦ BENDIX
- ✦ BMC
- ✦ BMW
- ✦ CASE
- ✦ CATERPILLAR
- ✦ CBT
- ✦ CHEVROLET
- ✦ CHRYSLER
- ✦ CITRON
- ✦ CLAYTON
- ✦ COMMER
- ✦ CUMMINS
- ✦ DAEWOO
- ✦ DAF
- ✦ DAIHATSU
- ✦ DAIMLER BENZ
- ✦ DAMAS
- ✦ DAVID BROWN
- ✦ DETROIT DIESEL
- ✦ DEUTZ
- ✦ DONGFENG
- ✦ DORMAN
- ✦ FIAT
- ✦ FORD
- ✦ FORDSON MAJOR
- ✦ GARDNER
- ✦ HANOMAG
- ✦ HENSCHEL
- ✦ HILLMAN
- ✦ HINO
- ✦ HONDA
- ✦ HYUNDAI
- ✦ INTERNATIONAL (IHC)
- ✦ ISUZU
- ✦ IVECO
- ✦ JAGUAR
- ✦ JEEP
- ✦ JOHN DEERE
- ✦ KAMAZ
- ✦ KARAZ
- ✦ KIA
- ✦ KOMATSU
- ✦ KUBOTA
- ✦ LADA
- ✦ LANCIA
- ✦ LAND ROVER
- ✦ LEYLAND
- ✦ LIAZ
- ✦ LISTER
- ✦ LOMBARDINI
- ✦ LOTUS
- ✦ MACK
- ✦ MAN
- ✦ MARUTI
- ✦ MASSEY FERGUSON
- ✦ MAXION
- ✦ MAZDA
- ✦ MERCEDES BENZ
- ✦ MG
- ✦ MIDLAND
- ✦ MITSUBISHI
- ✦ MORGAN
- ✦ MORRIS
- ✦ MWM
- ✦ NAVISTAR
- ✦ NEW HOLLAND
- ✦ NISSAN
- ✦ NUFFIELD
- ✦ OPEL
- ✦ PEGASO
- ✦ PERKINS
- ✦ PETTER
- ✦ PEUGEOT
- ✦ RABA-MAN
- ✦ RENAULT
- ✦ ROLLER ROYCE
- ✦ ROVER
- ✦ RVI
- ✦ SAVIEM
- ✦ SCANIA
- ✦ SEAT
- ✦ SHAKTIMAN
- ✦ SIMCA
- ✦ SINGER
- ✦ STEYR
- ✦ SUZUKI
- ✦ TALBOT
- ✦ TATA
- ✦ TATRA
- ✦ TOYOTA
- ✦ TRIUMPH
- ✦ URSUS
- ✦ VAUXHALL
- ✦ VOLKSWAGEN
- ✦ VOLVO
- ✦ WAUKESHA
- ✦ WOLSELEY
- ✦ YANMAR
- ✦ YAZ
- ✦ ZASTAVA
- ✦ ZETOR





Efficiency is essential for our economic success and lasting profitable growth. We consistently compare ourselves with the best in the industry and strive to achieve continuous efficiency improvements not only on our daily work, but also in dealing with natural resources.

Global Presence

To underline this fact that, from last few decades, we have been exporting to more than

50+

countries around the globe

Africa

Algeria
Angola
Egypt
Libya
Morocco
Nigeria
South Africa
Tanzania
Tunisia
Zambia

Asia

Afghanistan
Bangladesh
Iran
Iraq
Jordan
Malaysia
Philippines
Russia
Saudi Arabia
South Korea
Syria
UAE
Uzbekistan

Australia

Australia

Europe

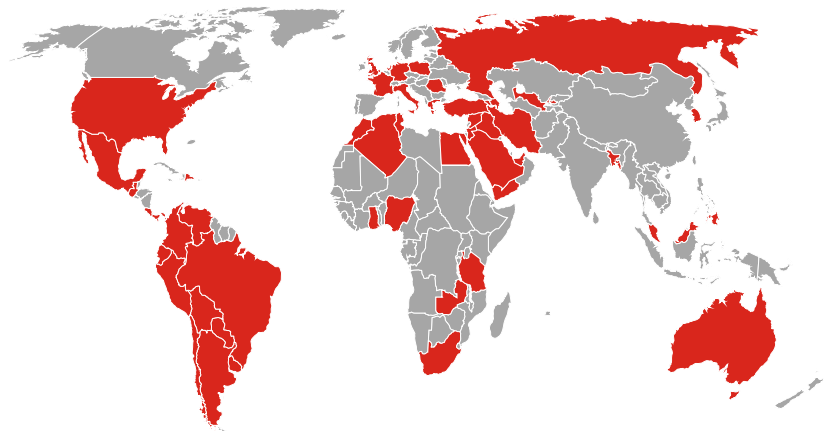
France
Germany
Greece
Italy
Lithuania
Netherlands
Poland
Romania
Turkey
United Kingdom

South America

Argentina
Bolivia
Brazil
Chile
Colombia
Ecuador
Paraguay
Peru
Uruguay
Venezuela

North America

Costa Rica
Dominic Republic
Guatemala
Mexico
Panama
USA





:: We shall achieve this by ::

Continual Improvement in Product Quality & Customer satisfaction.

Process refinement and automation to improve efficiency

Effective implementation of ISO/TS 16949:2015 QMS Involvement of Employees

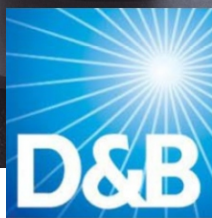
Continuously reducing Non - value added activities



Quality Assurance

We truly believe that the quality of product is the reflection of the process; to that extent we follow the best practices in the industry for all our manufacturing process. We also allow our customers to fine-tune the process to meet their needs. Our main goal is to supply the best quality parts at a very competitive price and our strategy revolves around that. Our engineers continuously look to improve the product quality by in-house R&D activities and tweaking our manufacturing process from casting until packing to remain best in the industry in terms of cost and quality.

We at Esteem Auto Pvt. Ltd. are committed to enhance customer satisfaction by providing quality products, attractive price and timely delivery.



D-U-N-S®: 65-026-6187



1 Induction Melting



Induction melting is done by induction furnaces. The advantage of the induction furnace is that, it is a clean, energy-efficient and well-controllable melting process compared to most other means of metal melting. Material is added during the melting process to bring the final chemistry within a specific range specified by industry and/or internal standards. Melting process is carried out as per the customer requirements. -We have Seven [3x300 Kg., 1x500 Kg., 1x900 Kg, (Dual Track). 1x700 Kg. (Dual Track) and 1x500 Kg. (Tri Track)] induction Furnaces.

2a Carousel Centrifugal Casting Machine

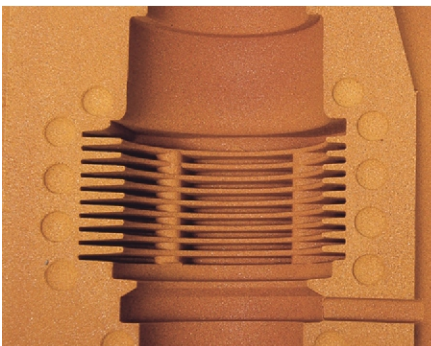


This is a Multi Station Heavy Duty Indexing Machine used for Centrifugal casting. It consists of a set of 8 spinning molds/dies mounted on a Rotary indexing table with heavy load capacity and other associated robots. These eight molds pass through different stations like Pouring, Cooling, Extraction, Cleaning and Coating. After all these operations mold comes again to the Pouring Station. The whole operations are controlled by a control panel.

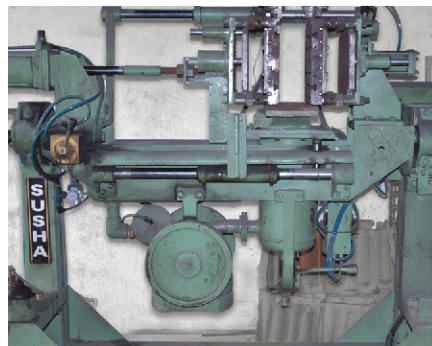
2b Automatic Centrifugal Casting Machines



3 Shell Mold Casting



4 Core Shooter



5 Shell Molding



Shell molding, is an expendable mold casting process that uses a resin covered sand to form the mold. As compared to sand casting this process has better dimensional accuracy, a higher productivity rate and lower labour requirements. This process provides customer with the best quality Air-Water cooled blocks. Specially designed Core Shooter machine to shoot the sand in the complicated shape of core box.

Machine Shop

We perform outer diameter of liner on CNC machine, which gives high accuracy in dimensional, surface roughness and geometrical parameters. Main benefits of final OD CNC Turning are minimizing of cycle time, repeatability of quality and consistency product.



1 SPM for Vertical ID / OD with CNC Programming

ID and OD can be proof machined in single reference. Wall thickness variations can also avoided. Productivity and accuracy is higher than conventional lathes. After this operation, product can be finished in CNC



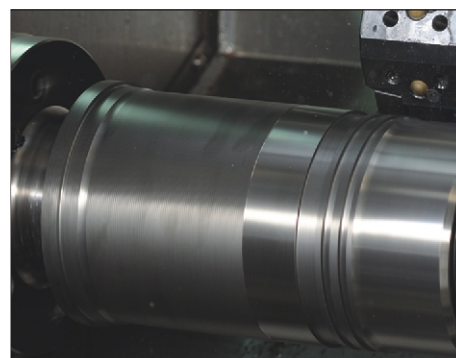
2 Gantry System

Gantry system for CNC's to increase productivity



3 CNC Turning Machine

To achieve the productivity and quality the final machine of all the Liners are in CNC turning centers. They are designed to use modern carbide tooling and fully utilize modern processes. The part may be designed and the tool paths programmed by the CAD/CAM process



4 Centerless Grinding

Our centerless OD grinding process guarantees a part that is perfectly round and to exact size specifications.



5 Plateau Honing Machine (NAGEL)

This generate a rough surface and remove the high areas in a controlled manner. The Surface texture through this has the benefits of a smooth surface and benefits of a rough surface. This can be measure Ra, Rz, Rk, Rpk, Rvk etc.



Infrastructure



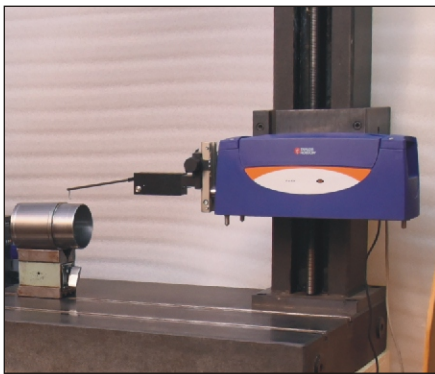
1 Profile Projector



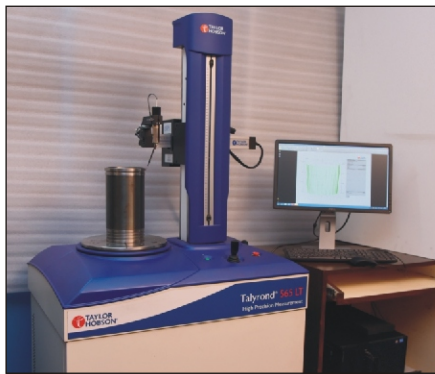
2 Renishaw Equator



3 Hardness Tester



4 Surface / Contour (Taylor Hobson)



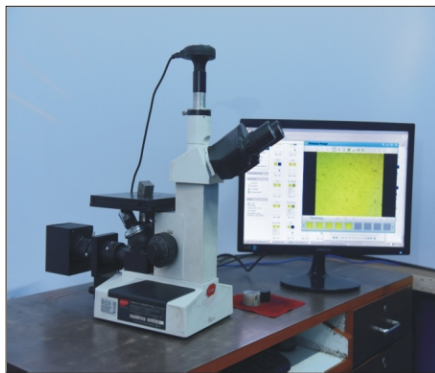
5 Roundness Tester (Taylor Hobson)



6 Ultrasonic Cleaning Machine



7 Metal Analyzer (SPECTROMAXx Germany)



8 Microscope

Material Spec

Nos	Class
1.	Class 35
2.	Class 40
3.	Class 45
4.	Class 50
5.	Ductile/SG
6.	Boron
7.	Bainitic
8.	CGI
9.	N20
Hardness (BHN)*	
Minimum	190
Maximum	285
Tensile Strength	
Minimum	220 N/mm ²

Micro Structure*	
Graphite Type	Distribution Type 'A' & 'B' Flake Size 4 to 8 'D' & 'E' permitted to max. 20%
Matrix	Free Ferrites Max. 5%

* Above details are for reference only and this will vary as per the technical standards and customer requirements.

+ Air Cooled Blocks



+ Dry Liners



+ Customized Castings



Tractor Applications



Heavy Commercial Applications





Generator Applications



Earth Moving Applications



Our Brand Packing



Container Factory Stuffing



Green Energy We are using 70% of green energy at our plant.

2021-2.1 MW Windmill



2018-1 MW Solar Project





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