

MAHEKAR ENGINEERS

UNIT NO:- 1

MACHINE SHOP DIVISION

PLOT NO.C-26 TASWADE MIDC KARAD

UNIT NO:- 2



MACHINE SHOP AND FETTLING DIVISION

PLOT NO B-17 TASWADE MIDC KARAD

UNIT NO:- 3

PRESSURE DIE CASTING GRAVITY DIE CASTING DIVISOIN

PLOT NO B-11 TASWADE MIDC KARAD



INTRODUCTION TO
MAHEKAR ENGINEERS
UNIT No:-1
MACHINE SHOP DIVISON

MANUFACTURE CONNECTING RODS & END BEARING FOR
REFRIGERATION & AC COMPRESSOR



महेकर इंजिनअर्स
MAHEKAR ENGINEERS
जिल्हा व शहर मजदुरी कार्यालय वी.पी. बंगला - ४०००११

**INTRODUCTION TO :-
MAHEKAR ENGINEERS UNIT No:-1
MACHINE SHOP DIVISION**

**ISO 9001:2015
CERTIFIED BY
TUV VALID
UNTIL
23.09.2024**

ZERTIFIKAT | CERTIFICATE | CERTIFICAT | CERTIFICADO | СЕРТИФИКАТ | شهادة | 证书 | 인증서



CERTIFICATE



Management system as per
EN ISO 9001:2015

In accordance with TÜV AUSTRIA CERT procedures, it is hereby certified that

Mahekar Engineers

Unit 1 : Plot No. C-26, MIDC, Tasawade, Tal. Karad, Satara - 415109,
Maharashtra, India

Unit 2 : Plot No. B-17, Taswade MIDC, Karad- 415109,
Maharashtra, India

applies a management system in line with the above standard for the
following scope

- Manufacture & Supply of Connecting Rods & End Bearing for Refrigeration & AC Compressors
- Manufacture and Supply of Pressure Die Casting Aluminium Parts

Certificate Registration No. 20100151446609

Valid until 2024-09-23
Initial certification: 2015-09-24

Certification Body
at TÜV AUSTRIA CERT GMBH

Vienna, 2021-08-18

This certification was conducted in accordance with TÜV AUSTRIA CERT auditing and certification procedures and is subject to regular surveillance audits.
TÜV AUSTRIA CERT GMBH Deutschstraße 10 A-1230 Wien www.tuv.at



CERTIFIED
EN ISO 9001
Certificate No. 20100151446609

TÜV AUSTRIA CERT GMBH

Udyam Adhar Registration Certificate

भारत सरकार Government of India		महाम, लघु एवं मध्यम उद्यम MICRO, SMALL & MEDIUM ENTERPRISES																					
UDYAM REGISTRATION CERTIFICATE																							
UDYAM REGISTRATION NUMBER	UDYAM-MH-30-0051377																						
NAME OF ENTERPRISE	MAHEKAR ENGINEERS																						
TYPE OF ENTERPRISE *	MICRO (Based on FY 2020-21)																						
MAJOR ACTIVITY	MANUFACTURING																						
SOCIAL CATEGORY OF ENTREPRENEUR	GENERAL																						
NAME OF UNIT(S)	<table border="1"><thead><tr><th>S.No.</th><th>Udyog Aadhaar Memorandum</th><th colspan="2">Unit(s) Name</th></tr></thead><tbody><tr><td>1</td><td>MH30B0001697</td><td colspan="2">MAHEKAR ENGINEERS</td></tr><tr><td>2</td><td></td><td colspan="2">MAHEKAR ENGINEERS UNIT 2</td></tr><tr><td>3</td><td></td><td colspan="2">MAHEKAR ENGINEERS UNIT 3</td></tr></tbody></table>			S.No.	Udyog Aadhaar Memorandum	Unit(s) Name		1	MH30B0001697	MAHEKAR ENGINEERS		2		MAHEKAR ENGINEERS UNIT 2		3		MAHEKAR ENGINEERS UNIT 3					
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DATE OF COMMENCEMENT OF PRODUCTION/BUSINESS	01/01/2010																						
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DATE OF UDYAM REGISTRATION	13/09/2022																						
<small>* In case of graduation (upward/reverse) of status of an enterprise, the benefit of the Government Schemes will be availed as per the provisions of Notification No. S.O. 2119(E) dated 26.06.2020 issued by the M/o MSME.</small>																							
<small>Disclaimer: This is computer generated statement, no signature required. Printed from https://udyamregistration.gov.in & Date of printing:- 13/09/2022</small>																							
For any assistance, you may contact:																							
1. District Industries Centre:	SATARA (MAHARASHTRA)																						
2. MSME-DFO:	MUMBAI (MAHARASHTRA)																						
Visit :	www.msme.gov.in ; www.dcmsme.gov.in ; www.champions																						
Follow us @minmsme &																							
@msmechampi																							

About Us

- ▶ We introduce ourselves as one of the leading manufacturer of Connecting Rods for Refrigeration and Air Conditioning Industry. We are having a well-equipped and full-fledged machine shop with in house inspection facility like Air Gaging. We are manufacturing & supplying Aluminum Pressure Die-Casting Connecting Rods, Sintered (Fe) Connecting Rods, Split type Connecting Rods, Aluminum Bearings to a Refrigeration Industry for last 2 years.
- ▶ We are located at Taswade Karad Industrial area which is near to Pune and adjacent to Pune Bangalore NH4 High way, where very good facility of Transport, Electricity, Roads, Water supply and well equipped with communication facilities, computer terminals, office furniture and other utilities.
- ▶ An ISO 9001:2015 certified company by TUV Austria, Mahekar Engineers earlier Om Engineers was established in 1997 with its vision to be most preferred supplier for Connecting Rods. The entrepreneur is having 32 years of Experience and out of which 15 years worked with hermetically sealed compressor division.
- ▶ We believe in consistent improvement to achieve best quality, Zero PPM Rejection, On Time Delivery, excellent service and customer satisfaction.

MISSION

To Support our customers by providing superior products and services of exceptional value which help them gain competitive advantage in their markets. We meaning each employee of mahekar Engineers ,Succeed because our customer succeed.

To sustain our vision and mission by constantly seeking renewal why continuous education and learning and the application of new technologies and best business practices through continual improvement.

To provide a pleasant, nurturing and growth oriented environment which encourages our employees to be highly productive and to grow personally and professionally.

VISION

To enhance our knowledge and capability in the field of precision components machining with high quality.

To be one of the leading quality manufacturers of Aluminium Die Cast components by producing Best-in-class products.

OUR MACHINESHOP



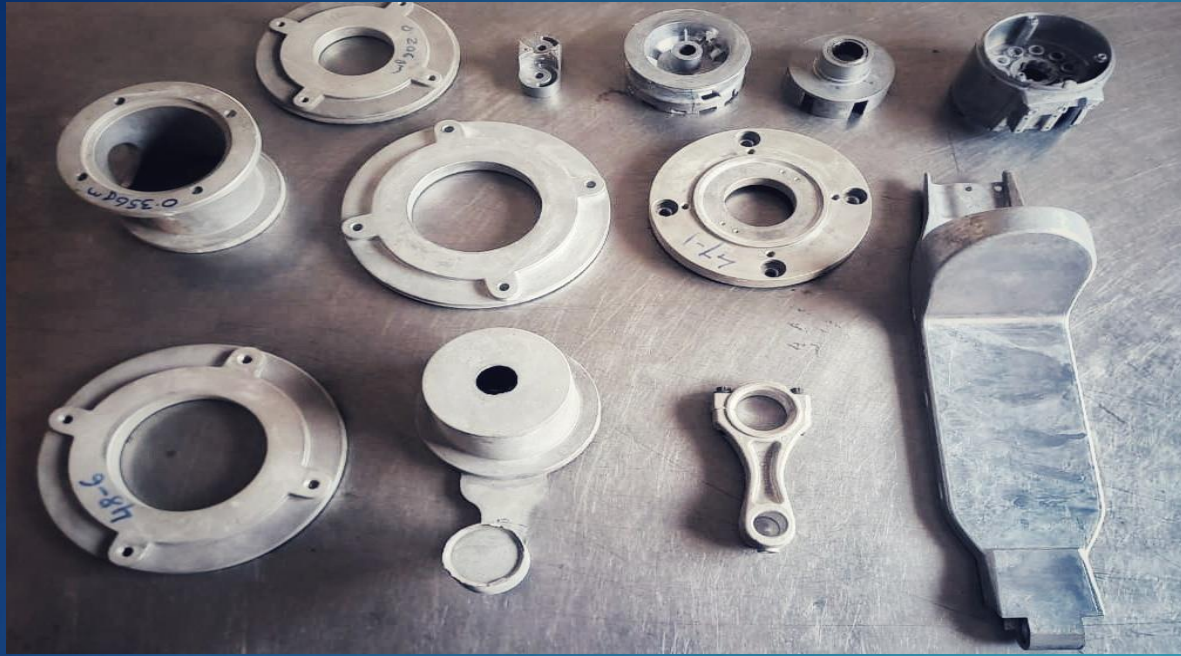
STRENGTH

1. 10 PRECISION XLO MAKE FINE BORING MACHINES FOR CONNECTING RODS
2. 4 CNCs MAKE GALAXY MACHINERY PVT.LTD.
3. 1 VMC MAKE BFW WITH AUTOMATIC PALLET CHANGER.
4. 2 ULTRASONIC CLEANING SYSTEMS FOR PART WASHING.
5. ULTRA-PRECISION TOOLING USED FOR MANUFACTURING LIKE PCD TOOLS, PCD INSERTS, HONING TOOLS, BURNISHING TOOLS.
6. 2 SCREW AIR COMPRESSORS MAKE ATLAS COPCO.
7. 17 DRILLING MACHINE.
8. 1 MILLING MACHINE.
9. 1 LATHE.
10. 1 TAPPING MACHINE.
11. LASER MARKING MACHINE FOR PARTICULAR HEAT CODE, MACHINING DATE ETC.
12. DM WATER SYSTEM FOR WASHING AND COOLANT MIXTURE PROCESS
13. HIGHLY SKILLED PRODUCTION & QA TEAM.
14. **4000 SQ FEET** SHOP FLOOR AREA OUT OF 7000 SQ FEET.

QUALITY ASSURANCE

1. FULL FLEDGE CONTROL TEMPERATURE ROOM FOR MONITORING QUALITY.
2. FULL FLEDGE AIR GAUGES FOR BEND, TWIST, CENTER DISTANCE, BORE SIZES, SQUARENESS, CONCENTRICITY & ID & OD INSPECTION ETC.
3. 2 NOS SURFACE ROUGHNESS TESTER MADE IN GERMANY(MAHR & ZEISS).
4. 30 TYPES OF BEND, TWIST & CD INSPECTION GAUGES.
5. 35 AIR DIMENSIONER UNITS (LEAST COUNT 0.00002")
6. INNOVATIVE AND SAFE MATERIAL HANDLING.
7. MILLIPORE TESTING FACILITY.
8. TORQUE WRENCH (TRU CHECK PLUS 25 N.M.)
9. LABORATORY HEAT AGEING OVEN FOR CHECKING DIMENSIONAL STABILITY.
10. 2 SURFACE PLATE, HEIGHT GAUGE ,DIAL VERNIER,SLIP GAUGE BOX, DIAL GROOVE DEPTH CHECKING GAUGE, PLUG GAUGES , SNAP GAUGES, MICROMETERS , BOREDIALS , ETC.
11. ROHS COMPLIANCE.
12. ISO QUALITY SYSTEM FROM TUV AUSTRIA.
13. PPAP LEVEL 4.

PRODUCT GALLERY





END BEARING



SINTERED ROD



ALUMINIUM ROD



SPLIT ROD



ALUMINIUM ROD



AL. ROD WITH BROACHING



SPLIT ROD WITH COPPER BUSH



C.I. Casting Machining



Extrusion ROD



BFW VMC Machine



XLO Fine Boring Machine



GALAXY CNC Machine



ULTRASNIC WASHING Machine



Shot on OnePlus
By Mahekar47

Millipore testing facility



Temp. Controlled Inspection Room



Shot on OnePlus
By Mahekar47

Torque range



Hommel T500
surface finish tester




Laboratory Heat
Ageing Oven



Shot on OnePlus
By Mahekar47

Laser Marking Machine



INTRODUCTION TO
MAHEKAR ENGINEERS
UNIT No:-2

MACHINE SHOP & FETTLING SHOP DIVISION

MANUFACTURE OF PRECISION ALUMINIUM PRESSURE DIE CASTINGS



INTRODUCTION TO :-

**MAHEKAR ENGINEERS UNIT No:-2
MACHINE SHOP AND FETTLING SHOP**

STRENGTH

- 100 KG CAPACITY ROTARY BARREL TYPE SHOT BLASTING MACHINE MAKE SURFEX MACHINERY.
- 2 No's 16 KW Heat Ageing Oven for Aluminum heat treatment Make GLOBAL INDUSTRIES.
- 2 No's DE burring Belt machine for Fettling Purpose Make BALAJI ENTERPRISES.
- 2 nos Lapping Machine for Fettling Purpose Make BALAJI ENTERPRISES.
- 3 No's Trimming Press Capacity 10Ton Make VIVEK MACHINERY.
- 100 Kg Capacity Vibro Barreling Machine MAKE DALAL ENGINEERING.
- 5 Ton Vertical Pull Type Broaching Machine MAKE FORTUNE MACHINES & TOOLS
- 2 Pneumatic operated drill machines MAKE KTK MACHINES PVT.LTD.
- 2 Drill Machines and 1 Tapping machine.
- 1 Lathe machine MAKE ACME.
- 2 Fine Boring machine for aluminum connecting rod.
- 1 Screw Air Compressor MAKE ATLAS COPCO,
- **7000 SQ.FEET** SHOP FLOOR AREA OUT OF 10000 SQ FEET.

QUALITY ASSURANCE

1. BHN Hardness Tester Make FIE group
2. Fully Automatic Density Index Inspection Facility Make Furdonjee.
3. Innovative and safe material handling.
4. 1 Surface plate, Height gauge, Dial & Digital vernier, etc.
5. Roh's compliance.
6. PPAP Level 4.
7. Heat ageing oven temp control $\pm 1^{\circ}\text{C}$. (Temp Range up to 400°C)



FETTLING SHOP DIVISION



Heat Ageing Oven



Shot on OnePlus
By Mahekar47

Shot Blasting machine



Broaching Machine





Conventional Machine



TRIMING PRESS



DEBURRING
MACHINES



INTRODUCTION TO
MAHEKAR ENGINEERS
UNIT No:-3

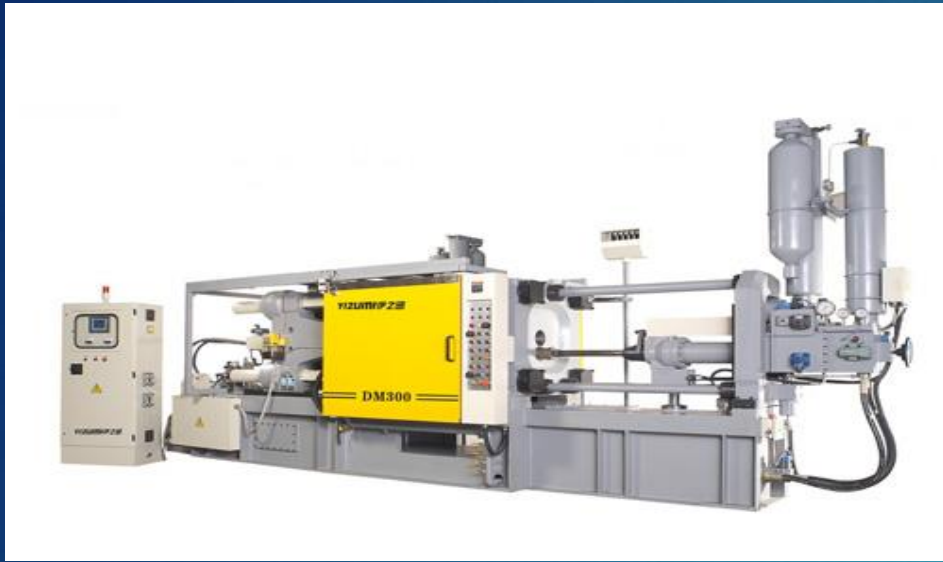
**PRESSURE DIE CASTING AND GRAVITY DIE
CASTING DIVISION**

PRESSURE DIE CASTING SHOP FLOOR



STRENGTH

- 120 Ton Pressure Die Casting Machine make HMT.
- 180 Ton Pressure Die Casting Machine make YIZUMI (WITH AUTO LADDLE)
- 130 Ton Pressure Die Casting Machine make ZHENLI (WITH AUTO LADDLE)
- 3 No's of 200 Kg Melting cum Holding Furnace make ENERGY SYSTECH.
- 1 No's of 300 Kg Melting Furnace make ENERGY SYSTECH
- Rotary Type Nitrogen Degassing Machine make ENERGY SYSTECH
- RPT TEST machine (For Vacuum Sample) Make FURDONJEE
- 5 TON CAPACITY OVERHEAD CRANE MAKE SADGURU INDUSTRIES
- 7.5 HP AIR COPMPRESSOR MAKE ATLAS COPCO
- 1 nos Cooling Tower with 10,000 litre tank capacity make Bhakti Industries
- 30 Ton Meting Capacity In Per Month



YIZUMI 180 TON
DIE CASTING
MACHINE



zhenli 130 TON
DIE CASTING
MACHINE



HMT 120 TON
DIE CASTING
MACHINE

QUALITY ASSURANCE

1. Automatic Pyrometric and Thyristor control to maintain the proper furnace temp.
2. Metal Temp control by Dip Type Silicon nitride sensors
3. Full fledge gauges & instrument for dimensional quality.
4. BHN Hardness Tester.
5. Fully Automatic Density Index Inspection Facility.
6. Innovative and safe material handling.
7. 1 Surface plate, Height gauge, Dial& Digital vernier, etc.
8. Raw Material Use :- A-380 (Sr Modified), LM24, ADC12, LM6
9. Aluminum alloys chemical & mechanical properties tested from NABL labs.
10. Roh's compliance.
11. PPAP Level 4.



Density
Index
Inspection

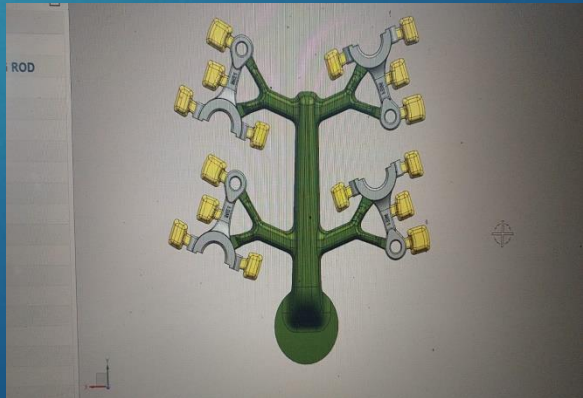
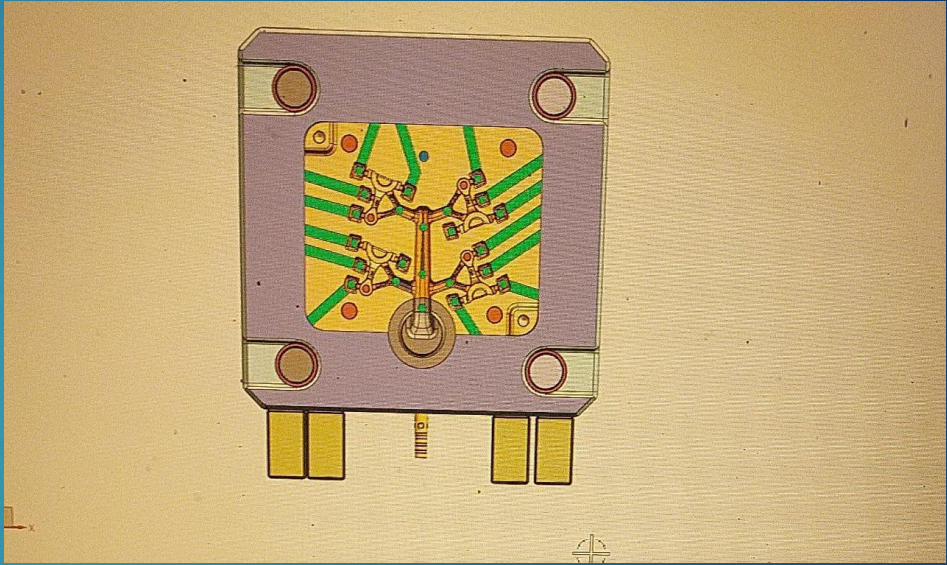
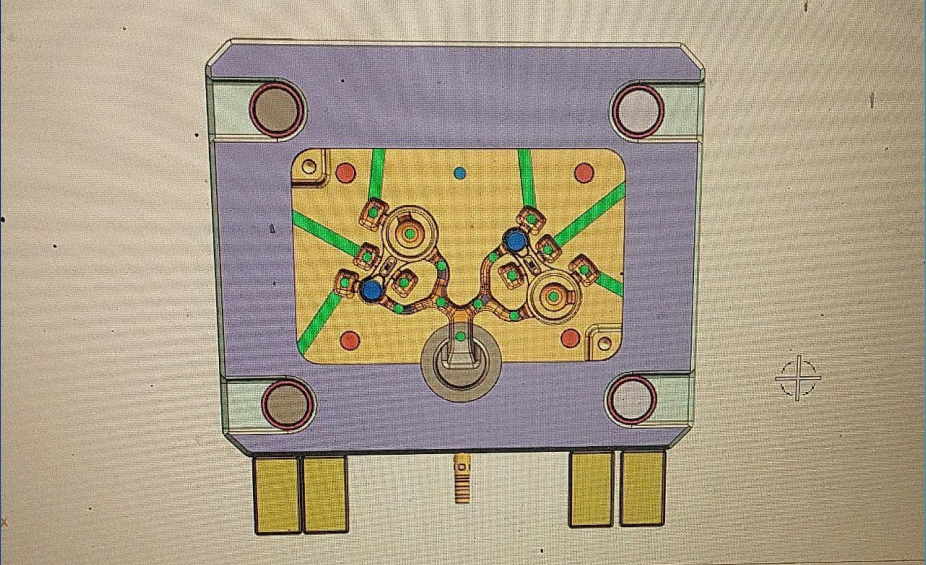


RPT TEST MACHINE



Nitrogen Degassing
Machine

DIE DEVLOPMENTS AND SIMULATION WORK



OUR KEY TO SUCCESS

1. Providing a professional quality service on time and on budget.
2. Working honestly by developing a follow-up strategy to gauge performance and build trust with our customers.
3. Developing an end to end engineering product and service capability.
4. Working closely with our customers and providing a transparent line of communication.
5. We believe in 'Quality First and Every Time

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Company Information

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Telephone	(02164)295047
email	Ashok.mahekar@gmail.com
Proprietor	1. Ashok L. Mahekar
Contact Person	Ashok Laxman Mahekar M +91 8788424693
Small Scale Indus. Association Reg. No.	UDYAM-MH-30-0051377
ESI No.	33000592130000999
Income Tax PAN No.	ABNPM1376R
PF No.	PUKOL166266000
IGST / CGST/SGST/UGST	27ABNPM1376R1ZS

OUR END CUSTOMER



COPELAND

TEJAS
INTERNATIONAL PVT LTD.
Partners In Global Sourcing



THANK YOU