

# RENUKA AUTO COMPONENTS

## Welcomes

- Regd office and plant 1: Survey no 23,Hanumanagar, Bhagatwasti, Bhosari,411039 Maharashtra India
- Plant 2: Plot no 29/15, Gat no 679/2/1 Alandi phata, kuruli, chakan-410501, Maharashtra , India
- Plant 3: Plot no 25, WMDC chakan - Ambhetan Road,Kharabwadi chakan-410501, Maharashtra , India



# Our Philosophy

## Vision

To be a globally most preferred supplier of aluminum die-casting products by doing right things in interest of nation and our all stakeholders; all our actions driven by our **SMART values**

## Mission

We are on the mission to be world class supplier of aluminum die-castings products, crafted with best technology & competitiveness, delivered with full scale of services and ensuring highest customer satisfaction.

## Values

|                            |   |                                       |
|----------------------------|---|---------------------------------------|
| <b>S</b> ervice Excellence | : | driving customer satisfaction         |
| <b>M</b> utual respect     | : | driving win-win with our customers    |
| <b>A</b> gility            | : | driving business sustainability       |
| <b>R</b> esponsibility     | : | driving accountability of our actions |
| <b>T</b> eamwork           | : | driving collaboration                 |



# About us

Established

- 1999, Pune India

People

- 450 + Strong workforce with good mix of youth and experience.

Expertise

- Aluminum die-casting HPDC/LPDC/Hot Chamber with full scale services ; (Machining, Powder coating, Assembly/subassembly leak test operations)

Operations

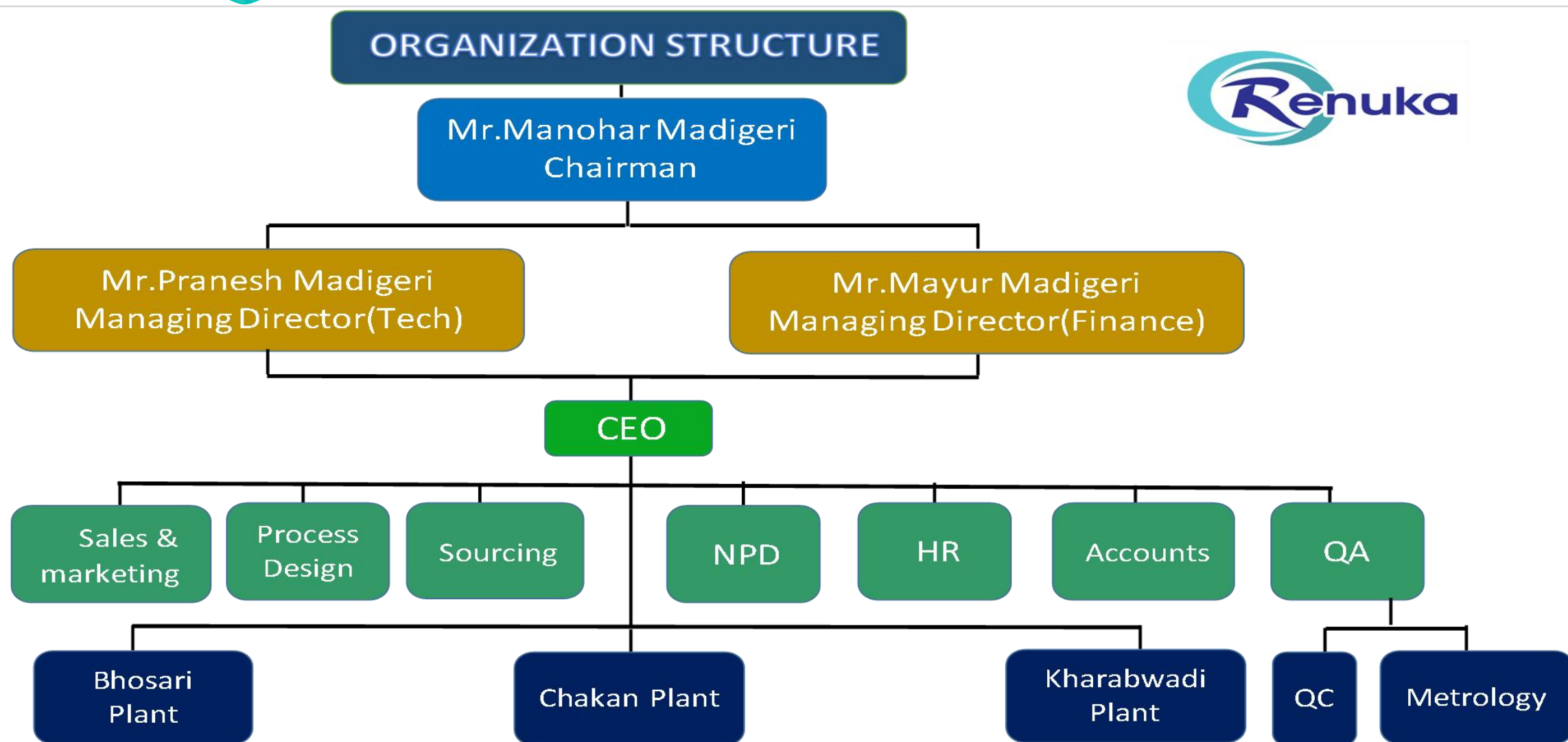
- Three sites in Pune; 130K Sq ft floor Space in operations
- IATF 16949 Certified
- Die design and manufacturing

Scale

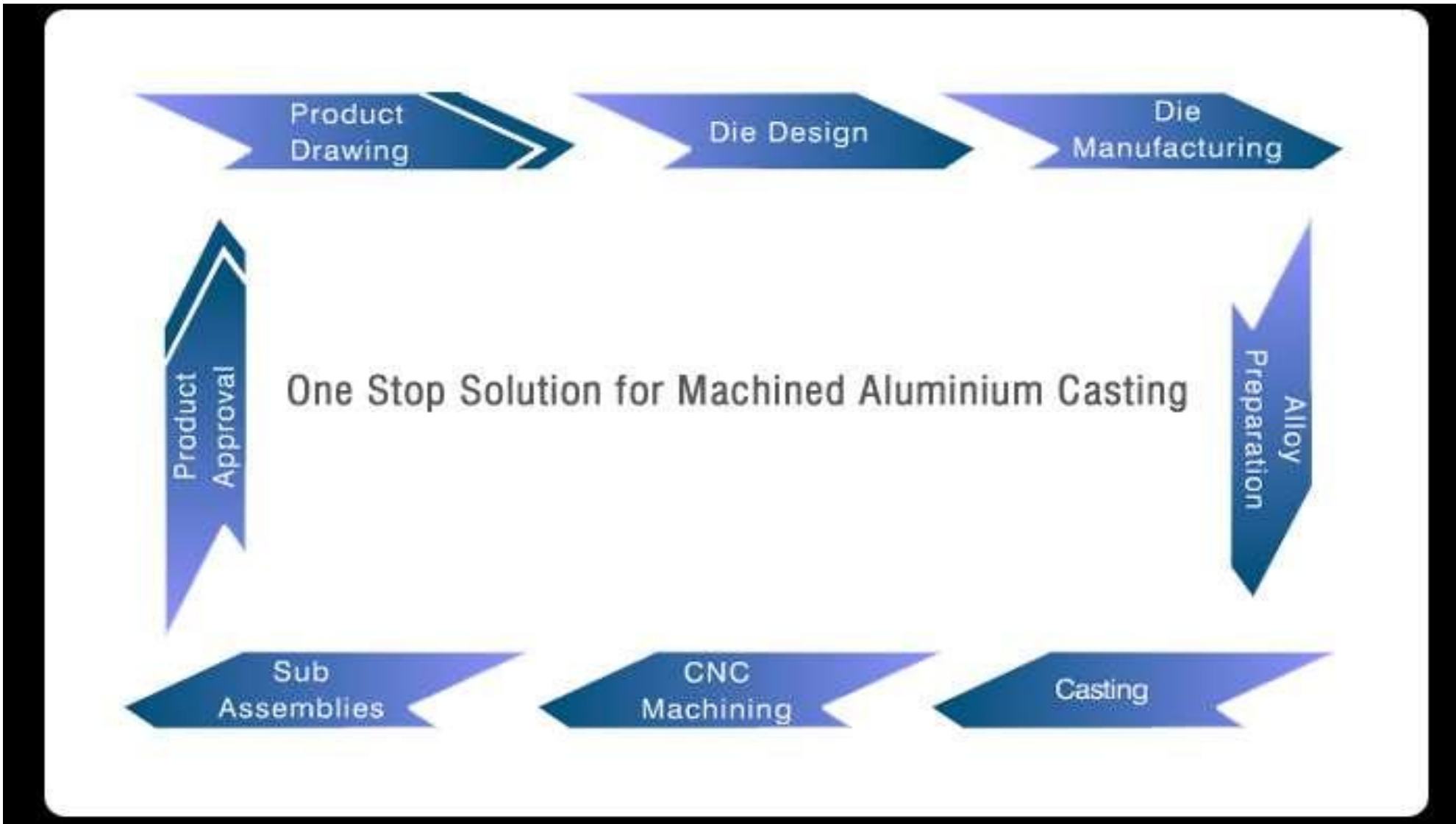
- FY24-25: Revenue USD 10.5 million.
- Casting weight ; 50 gm to 10 kg

Well Integrated, Progressive, Customer focused, Growth oriented

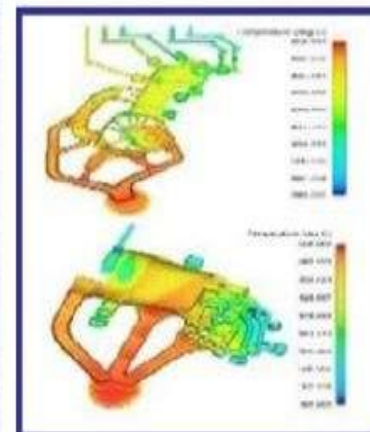
# Organization Structure



# Product Management



# Manufacturing and design excellence



## Software

PRO E

CATIA

FLOW 3D

VIRTUAL SIMULATION & DESIGN  
MIGRATION

Total Machine : 15

Machine Range 120T - 250T - 8 Nos

Machine Range 400T - 900T - 7 Nos

## KEY FEATURES :

1. Automatic die lubricant spray head
2. Robotic casting extraction & shot integrity check
3. Automatic die clamping & auto die height control
4. Real time casting shot control & Dynamic adjustment
5. Interface for jet cooling, vacuum system & mould thermoregulation system

- IONIC WASHING
- AUTO SEALANT LUBRICATION
- SURFACE ENERGY MEASUREMENT
- STATE OF THE ART CLEAN ROOM
- **VACUUM IMPREGNATION**



| PDC machine list | Qty   | Make        |
|------------------|-------|-------------|
| 120Ton           | 1 Nos | Technocrats |
| 180 Ton          | 2 Nos | Technocrats |
| 180 Ton          | 2 Nos | Yizumi      |
| 250 Ton          | 3 Nos | Technocrats |
| 400 Ton          | 2 Nos | Yizumi      |
| 500 Ton          | 2 Nos | Yizumi      |
| 700 Ton          | 2 Nos | Yizumi      |
| 900 Ton          | 1 Nos | Yizumi      |

Part weight; 50 gms to 10 kg  
ADC 12, ADC 6, AlSiMnMg, Zamak 5

Single pc flow; Casting → Fettling → Shot blasting → Machining



- Low pressure casting is the earliest anti-gravity casting technology, typically used to produce metal casting parts
- Weight: 1 kg to 50 Kg
- Bed size 1000x1000 mm



T6 HEAT TRATEMENT  
FURNACE

Single pc flow; Casting → Fettleing → Shot blasting → T6 HT → Machining → Washing → Leak Testing

# GDC Machine Procurement done – Target Date -30/09/25



- Gravity die casting, also known as permanent mold casting, is a metal casting process where molten metal is poured into a reusable mold (die) using only the force of gravity to fill the cavity. The process is relatively simple, with the molten metal being poured from a ladle or vessel, and gravity being the sole force driving its flow into the mold.
- Machine type : Tilttable
- Die locking force : 10 to 20 ton
- Die Plate size max: 1000x700x500 mm
- distance between two mold plate: 1000 mm
- Ram cylinder stroke: 700 MM
- Clamping force: 8600 kgf.

Single pc flow; Casting → Fettling → Shot blasting → T6 HT → Machining → Washing → Leak Testing



| Machine Facility              | Qty    | Make             |
|-------------------------------|--------|------------------|
| VMC                           | 4 Nos  | Fanuc Robo drill |
| VMC                           | 7 Nos  | AMS              |
| CNC jobber JR                 | 6 Nos  | ACE              |
| CNC Colt LM                   | 15 Nos | ACE              |
| CNC Jobber XI                 | 4 Nos  | ACE              |
| SPM                           | 13 Nos | MT               |
| Pitch control Tapping machine | 10 Nos | ITCO             |



**AIR LEAK TESTING  
MACHINE**

# Powder coating with auto pretreatment



9 Tank Powder coating with auto pre-treatment



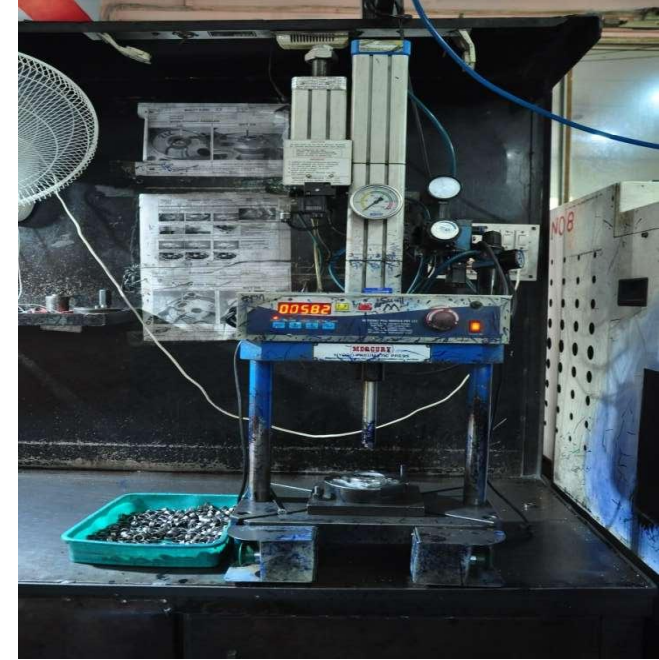
In-House DM Water plant

BAJAJ APPROVED LINE

Lab equipment



# Sub Assembly - Capabilities



Stator motors sub- assembly line, are designed as per customer requirement & developed based on our vast experience in manufacturing of stator motor to ensure defect detection & prevention at every stage of assembly

# Zero Defect Approach / Error Proofing / Poka-Yoke

## ASSEMBLY LINE–CENTRE BRACKET –HERO-POKA-YOKE STATION



The Starter motors sub- assembly line, are designed as per customer requirement & developed based on our vast experience in manufacturing of starter motor to ensure defect detection, poke-yoke & prevention at every stage of assembly.

# Other Integrated facilities



LEAK TEST STATION



X-RAY



SPECTROMETER



DENSITY INDEX METER



SHOT BLASTING



NITROGEN DEGASING MACHINE



CMM

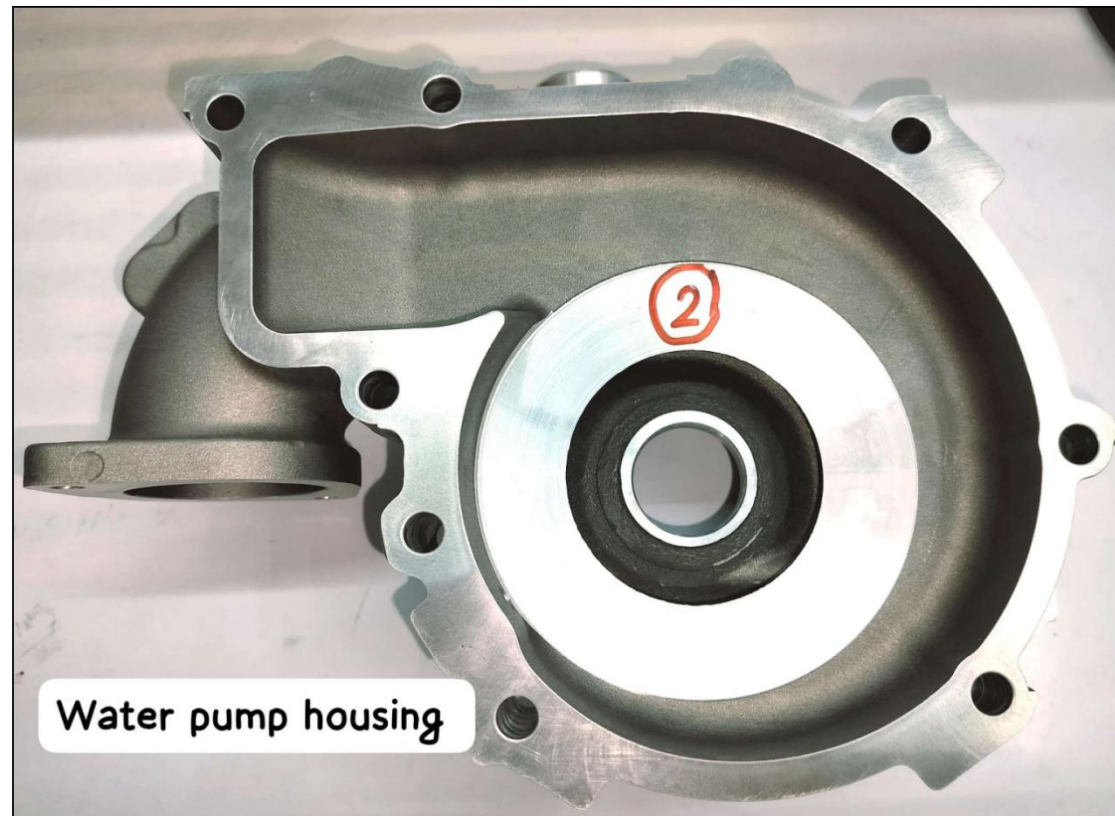
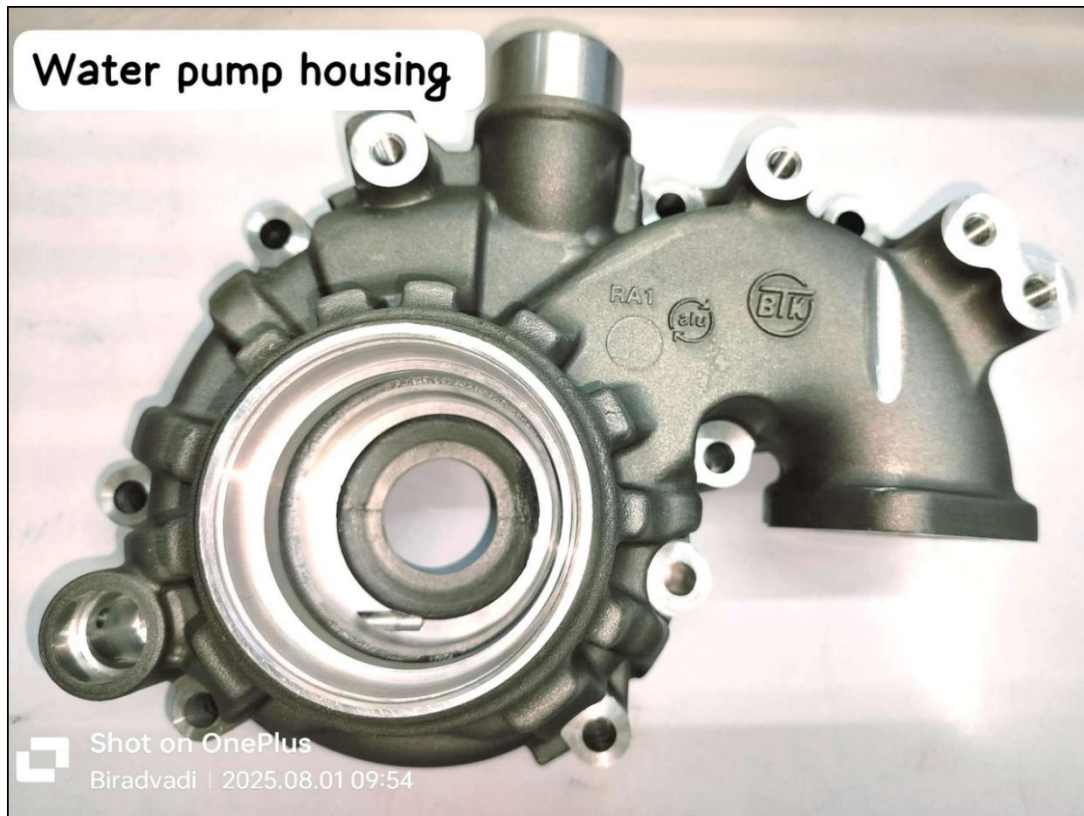


ROUGHNESS TESTER



REDUCE PRESSURE TEST

# Products – Water Pump Housing (LPDC)



Cars: Roof Rail Part



Cars: Mirror base frame



2W: Mirror stay rod



2W: Starter Motor - hsg



3W: Stator Motor - hsg



2W: brake/clutch lever and holder



2W: Centre bkt and gear case



2W: Stator Motor - hsg



Electric equipment: Hsg & Meter Body



Telecom – 5G Tower OT base casting

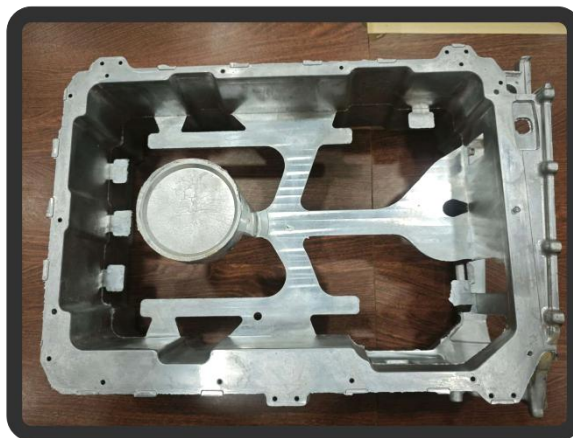


Cars : Upper Housing



End cover : Oil side

Cars: Battery Housing



End cover : Water oil side

Middle Body



Plug



# Products involving leak test



Starter Motors Front end cover



Water Pump Housing



Leak test; Cosmo /ATEQ equipment  
70 to 130 Pascal @ 5 bar

# Product Involving X-ray / ASTM Std E155 240322



Rear view Mirror rod

# Major Customers



## Tiered OEMs

### Car Segment

M&M

Maruti Suzuki

Tata Motors

MG Motors

### Commercial Vehicle

Volvo Eicher

Daimler (DICV)

Cummins / Isuzu

### 2W/3W

Bajaj Ltd

Hero Moto Corp

Honda Motorcycles

Royal Enfield

Suzuki Motorcycles

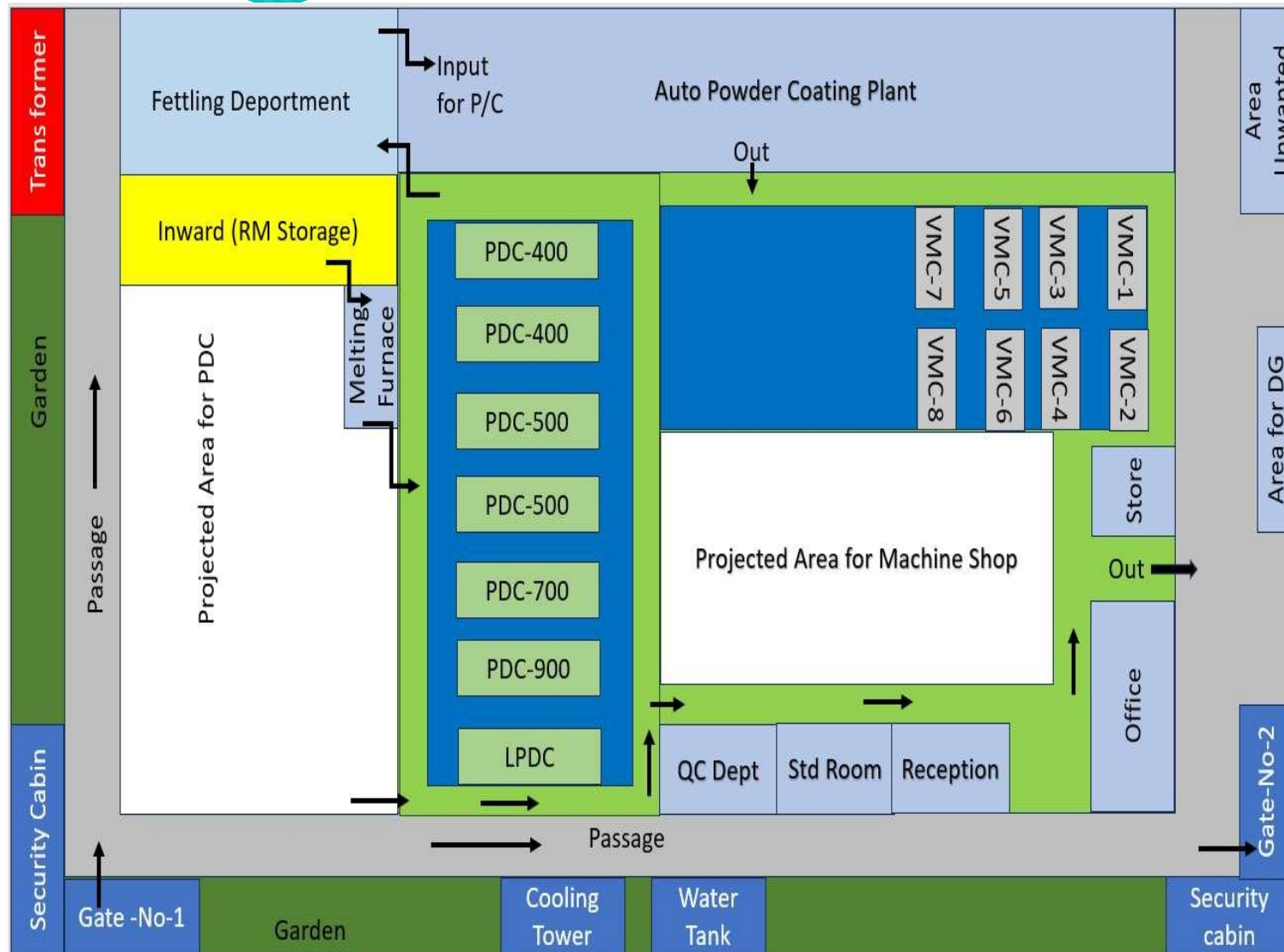
Kawasaki

# Major Customers



- **Poona shims** – Oil cooler Manufacturer.
- **Octillion Power system** – EV Batteries for Passenger cars , Commercial vehicles & Grid Applications .
- **Atomberg technologies** – Energy saving ceiling fans , Water purifier .
- **Oben electric** – EV Bike Manufacturer .
- **Power solution international** – Engines,Power System&Accessories
- **Rotex Automation limited** - Manufacturer of Engineered Valves , 3 way Solenoid valves etc.

# New Chakan facility (Plant 3 layout)



| Department wise area specification |              |
|------------------------------------|--------------|
| Plot area                          | 102000 sq.ft |
| Casting Shed                       | 28000 sq.ft  |
| Powder Coating                     | 7000 sq.ft   |
| Machine Shop                       | 12500 sq.ft  |
| Office First Floor                 | 3200 sq.ft   |
| Space For Future Expansion         | 25000 sq.ft  |



# Thank you

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