



MACDOWELL ENTERPRISE PVT. LTD.

Precision Machining, Foundry & Heavy Engineering Solutions

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Corporate Office

Unit – 1 : Machine Shop

A-97 Gopal Charan Industrial hub Park, Bakrol – Bujarang, Taluka Daskroi, Ahmedabad – 382430, Gujarat, India

Unit – 2 : Registered Office & Foundry Division

B-9/2, Swarnim Industrial Park, Bakrol – Bujarang, Taluka Daskroi, Ahmedabad – 382430, Gujarat, India.

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 - +91 7859889959 (Jatin Chauhan)
 - +91 9090787824 (Kalpesh Patel)
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COMPANY PROFILE

About Us

Macdowell Enterprise Pvt Ltd is an emerging and professionally managed engineering company engaged in precision machining, industrial castings, heavy engineering manufacturing, OEM component development, and customized engineering solutions for domestic and international industries.

With advanced machining infrastructure, foundry support, skilled manpower, and strong engineering capabilities, we provide high-quality manufacturing solutions for critical industrial applications. Our company focuses on precision manufacturing, durable engineering products, export-quality standards, and customer-oriented production systems.

We specialize in manufacturing and supplying precision machined components, industrial castings, heavy engineering parts, OEM products, valve components, gearbox parts, turbine components, marine engineering parts, earthmoving machine parts, windmill components, pump housings, and custom-built engineering solutions.

Our company is committed to delivering superior quality products, reliable performance, competitive pricing, and timely delivery to industries across India and global markets.

Vision

To become a globally trusted engineering manufacturing company recognized for precision quality, advanced machining capabilities, innovative engineering solutions, and long-term industrial partnerships.

Mission

- To deliver high-quality engineering and foundry products with precision manufacturing standards.
 - To provide reliable OEM and custom manufacturing solutions.
 - To continuously improve technology, quality systems, and production capabilities.
 - To build strong and long-term relationships with customers through commitment and trust.
 - To support industrial growth with durable and cost-effective engineering solutions.
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Core Business Areas

Precision CNC Machining	Valve & Pump Components
Heavy Engineering Components	Earthmoving Machine Parts
Industrial Castings	Windmill & Turbine Components
OEM Manufacturing Solutions	Gearbox & Transmission Components
Marine Engineering Parts	Custom Industrial Fabrication

UNIT – 1 : MACHINE SHOP

Advanced Machining Facility

Our machining division is equipped with modern CNC and heavy machining infrastructure capable of manufacturing precision components for multiple industrial sectors.

The facility handles:

- Small to large-size machining jobs
- Heavy engineering components
- OEM production batches
- Precision turned and milled parts
- Reverse engineering jobs
- Custom manufacturing requirements
- Fabrication and assembly support

Our technical team ensures strict dimensional accuracy, precision inspection, and process-controlled manufacturing for every component.

MACHINING PART PORTFOLIO

Precision Machined Components

- Gear Components
 - Rack & Pinion Parts
 - Precision Shafts
 - Valve Body Components
 - Heavy Machined Rings
 - CNC Milled Components
 - OEM Engineering Parts
 - Industrial Flanges
 - Turbine Components
 - Earthmoving Machine Parts
 - Pump Housings
 - Windmill Components
 - Marine Engineering Parts
 - Industrial Fixtures
 - Heavy Engineering Components
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MACHINE LIST

CNC TURNING CENTERS

Sr. No	Machine Type	Brand	Model / Size	Quantity
1	CNC Turning Center	Macpower	200 x 500	2 Nos
2	CNC Turning Center	Ace Design	250 x 500	1 No
3	CNC Turning Center	Ace Design	300 x 750	1 No

VMC & HMC MACHINES

Sr. No	Machine Type	Brand	Working Capacity (X x Y x Z)	Quantity
1	VMC Machine	Macpower	800 x 500 x 500 mm	1 No
2	VMC Machine	Macpower	1100 x 650 x 650 mm	1 No
3	VMC Machine	KTM	1100 x 650 x 650 mm	1 No
4	VMC Machine	Kafo	2600 x 2200 x 1000 mm	1 No
5	VMC Machine	Global	1500 x 1000 x 750 mm	1 No
6	VMC Machine	Haas	1100 x 650 x 600 mm	1 No
7	HMC Machine	OKK	500 x 500 mm	1 No
8	HMC Machine	Mori Seiki	500 x 500 mm	1 No

Sr. No	Machine Type	Brand	Working Capacity (X × Y × Z)	Quantity
9	HMC Machine	Mazak	600 × 600 mm	1 No

HEAVY MACHINERY

Sr. No	Machine Type	Brand	Specification	Quantity
1	Vertical Turret Lathe-(VTL)	TOS	Dia 2000 mm × Height 1200 mm	2 Nos
2	Vertical Turret Lathe (VTL)	WMW	Dia 3200 mm × Height 1600 mm	2 Nos
3	Boring Machine	TOS	100 mm Spindle	2 Nos
4	Heavy Duty Lathe Machine	—	Swing Dia 1200 mm × 4000 mm Length	2 Nos

INSPECTION & CALIBRATION INSTRUMENTS

- Outside Micrometer
- Bore Gauge
- Vernier Caliper
- Dial Vernier Caliper
- Digital Vernier Caliper
- Depth Gauge
- Height Gauge
- Surface Plate
- Thread Gauges
- Plug Gauges
- Angle Caliper
- Other Precision Measuring Instruments

UNIT – 2 : FOUNDRY DIVISION

Industrial Foundry & Casting Solutions

Our foundry division specializes in manufacturing high-quality ferrous and non-ferrous industrial castings for engineering industries. We supply raw castings, semi-finished components, and fully machined casting products as per customer drawings and technical specifications.

We manufacture casting components for:

Industries & Applications

- Valve Industry
- Pump Industry
- Power Plants
- Mining Equipment
- Hydraulic Machinery
- Railway Components
- Agriculture Machinery
- Turbine & Compressor Parts

- Gear & Transmission Systems
- Corrosion Resistant Applications
- Wear Resistant Components
- Heavy Engineering Applications

The foundry division is supported by machining, inspection, and outsourced testing facilities to ensure reliable product quality and industrial standards.

Manufacturing Capacity

Maddowell Enterprise Pvt Ltd supplies high-quality castings and mechanical components ranging from **1 KG to 2000 KG**.

Furnace Capacity

Furnace Type	Capacity
Crucible Furnace 1	150 KG
Crucible Furnace 2	500 KG

TESTING FACILITIES

(Testing facilities available through approved outsourcing partners)

- Spectrometer Testing
 - Universal Tensile Testing Machine with Extensometer
 - Impact Testing
 - Rockwell / Brinell Hardness Testing
 - Liquid Penetrant Testing
 - Magnetic Particle Testing
 - Ultrasonic Testing
 - Radiography Testing
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CASTING MATERIALS WE SUPPLY

ASTM Grades

- ASTM A216 Grade – WCA, WCB, WCC
- ASTM A217 Grade – WC1, WC4, WC5, WC6, WC9, WC11
- ASTM A217 Grade – C5, C12, C12A, CA15
- ASTM A351 Grade – CF3, CF8, CF3M, CF8M, CF3MN, HK30, HK40, HT30
- ASTM A351 Grade – CD4MCu, CD4MCuN
- ASTM A352 Grade – LCA, LCB, LCC, CA6NM

Engineering Grades

- EN-8
- EN-9
- EN-19
- EN-24
- EN-31

Other Materials

- S.G Iron Grades – 400/15, 500/7, 600/3, 800/2
 - Manganese Grades 1 to 7
 - Ni-Hard
 - Commercial & Graded Cast Iron
 - NAB Grades – IS AB1 & AB2
 - ASTM / UNS C95500 & C95800
 - Gunmetal Grades – G1, G2, LG1, LG2, LG3, LG4
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INDUSTRIES WE SERVE

We cater to the following industries:

- Automobile Industry
- Pharma Machinery Industry
- Valve Industry
- Pump Industry
- Mining Industry
- Hydraulic Equipment Industry
- Turbine Components Industry
- Gear Casting Applications
- Corrosion Resistant Castings Industry
- Power Press Components Industry
- Railway Industry
- Power Sector
- Agriculture Machinery Industry
- Packaging Machinery Industry
- Printing Machinery Industry
- Oil Field Machinery Industry
- Compressor Components Industry
- Wear Resistant Components Industry
- Lathe Machine Components Industry
- Decorative Industrial Castings Industry

MAJOR CUSTOMERS

- Aira Euro Automation Pvt. Ltd.
- Unique Aira Lined Valves
- Schilthorn Precision Engineering Pvt. Ltd.
- Masta Machinery Pvt. Ltd.
- Hanaka Tools Pvt. Ltd.
- Techno Bonanza Pvt. Ltd.
- Orbit Engineers LLP
- Shakti Industries
- Slurry Pumps & Engineers

- Minreq India Pvt. Ltd.
 - Kaushik Engineering Pvt. Ltd.
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QUALITY ASSURANCE

Quality Management System

Macdowell Enterprise Pvt Ltd follows strict quality control procedures throughout manufacturing, machining, inspection, and dispatch operations. Every product is manufactured according to customer drawings, technical specifications, and industrial quality standards.

We ensure:

- Raw material verification
- Process inspection during production
- Dimensional inspection
- Precision calibration
- Mechanical and chemical testing support
- Final inspection before dispatch
- Traceability and quality documentation

Our commitment to quality helps us maintain reliability, consistency, and customer satisfaction across all industrial sectors.

Macdowell Enterprise maintains strict quality control procedures using precision inspection systems and approved testing facilities to ensure every component meets customer drawing specifications and industrial standards.

Our Focus

- ✓ Precision Manufacturing
 - ✓ Export Quality Standards
 - ✓ Customer Satisfaction
 - ✓ Timely Delivery
 - ✓ Advanced Engineering Support
 - ✓ OEM Manufacturing Solutions
 - ✓ Heavy Engineering Expertise
 - ✓ Industrial Casting Solutions
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PROFESSIONAL STRENGTHS

Why Choose Macdowell Enterprise Pvt Ltd

- ✓ Advanced CNC & Heavy Machining Infrastructure
- ✓ Foundry & Industrial Casting Manufacturing Support
- ✓ OEM & Custom Manufacturing Solutions
- ✓ Precision Engineering Expertise
- ✓ Skilled Technical & Production Team
- ✓ Large Component Machining Capability

- ✓ Strict Quality Control System
 - ✓ Export-Oriented Manufacturing Standards
 - ✓ Timely Delivery & Production Planning
 - ✓ Competitive Pricing Structure
 - ✓ Strong Vendor & Supply Chain Network
 - ✓ Customer-Focused Engineering Solutions
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- ✓ Advanced CNC & Heavy Machining Facility
 - ✓ Large Component Machining Capability
 - ✓ Foundry & Casting Manufacturing Support
 - ✓ OEM & Custom Manufacturing Solutions
 - ✓ Skilled Technical Team
 - ✓ Precision Inspection Facility
 - ✓ Timely Delivery Commitment
 - ✓ Industrial & Export Supply Capability
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HEAVY ENGINEERING MACHINE PART AND OEM PARTS

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