

VOLMAC COMPONENTS

Precision Machined Castings & Assemblies

- IGBT Induction Furnaces
- Resin Coated Sand (RSC) Molded Castings
- No-Bake Sand Molded Castings
- Low Weight Castings starting from 35 Grams
- Vertical Parting Molding Machines
- Horizontal Parting Molding Machines
- Dumpbox Molding Machines
- Shot Blasting Machine
- Heat Treatment Furnace
- Grinding & Fettling Machines

CASTING

MACHINING FACILITY



- CNC Turning Centers
- CNC Vertical Machining Centers
- Rotary Indexer With 4th Axis Positional Machining
- Cradle Type Indexing Setup for Full 4th Axis Machining
- CNC Cylindrical Grinding (Angular Head) Machine
- CNC Internal Grinding Machine
- Surface Grinding Machine
- Centerless Grinding Machines
- Radius Grinding Machines
- Vertical & Horizontal Honing Machines
- Deep Hole Drilling / Gun Drilling Machine
- Induction Hardening Machine
- Lapping Machine
- Super Finishing Machine
- Rod Cutting Machine (Diameter < 50 MM)
- Chrome Plating Plant
- PC-DMIS Controlled Hexagon Global S CMM
- TESA 3D Manual CMM
- Surface Roughness Tester
- Laser Marking Machine for QR Code Part Traceability
- Parts Cleaning Machine
- Hydraulic Fixtures for Machining
- Special Purpose Hydraulic Chucks for Turning
- Oil Flow Testing Facility
- Leak Testing Facility
- Assembly Room / Facility

MACHINING



Precision. Perfection. Passion.

N10 / N11 KSSIDC Industrial Estate, Sagar Road, Shivamogga - 577 204, Karnataka, India

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**FIND OUT MORE AT
WWW.VOLMACGROUP.COM**



Assembly of the Rocker Arm



Assembly of Rocker Arm, Support Brackets & Shaft
Production Volume Per Month - 4000 / Month
Rocker Arm - Chilled Cast Iron
Support Bracket - Cast Iron
Rocker Shaft - Steel C45

Rocker Arm

Casting Grade - Chilled Cast Iron
Casting Weight - 210 Grams
Production Volume Per Month - 30000 / Month



Support Bracket

Casting Grade - Cast Iron
Casting Weight - 350 Grams
Production Volume Per Month - 20000 / Month



Hydraulic Flange

Casting Grade - Cast Iron
Casting Weight - 1.59 Kgs
Production Volume Per Month - 500 / Month



Hydraulic Flange

Casting Grade - Cast Iron
Casting Weight - 3.6 Kgs
Production Volume Per Month - 600 / Month



Hydraulic Flange

Casting Grade - Cast Iron
Casting Weight - 3.4 Kgs
Production Volume Per Month - 600 / Month



Hydraulic Flange

Casting Grade - Spheroidal Iron
Casting Weight -
Production Volume Per Month - 2000 / Month



Automotive Compressor Crankshaft

Casting Grade - Spheroidal Iron & Normalized
Casting Weight - 85 Grams
Production Volume Per Month - 85000 Each / Month



Pulleys

Casting Grade - Cast & Spheroidal Iron
Casting Weight - 150 Grams to 10 Kgs
Production Volume Per Month - 5000 / Month



Tappet

Casting Grade - Chilled Cast Iron
Casting Weight - 170 Grams
Production Volume Per Month - 50000 / Month



Hydraulic Flange

Casting Grade - Cast Iron
Casting Weight - 2.85 Kgs
Production Volume Per Month - 500 / Month



Hydraulic Flange

Casting Grade - Cast Iron
Casting Weight - 3.1 Kgs
Production Volume Per Month - 500 / Month



Hydraulic Pump Side Cover

Casting Grade - Cast Iron
Casting Weight - 440 Grams
Production Volume Per Month - 5000 / Month



Grinded & Induction Hardened Shafts

Casting Grade - Steel
Casting Weight - 1.5 Kgs to 10 Kgs
Production Volume Per Month - 10000 / Month



Grinded & Induction Hardened Parts

Casting Grade - Steel
Casting Weight - 200 Grams to 10 Kgs
Production Volume Per Month - 50000 / Month



12-16 June 2023
Dusseldorf
Germany



Visit us @
Hall 13 / C84

CASTING GRADES

Cast Iron

- FG : 150, 200, 260, 300, 350 & 400
- GG : 15, 20, 25, 30, 35 & 40
- EN-GJL : 150, 200, 250, 300 & 350
- Chilled Cast Iron

Spheroidal Grades (SG Iron)

- SG : 450-10, 500-7, 600-3 & 700-2
- GGG : 50, 60 & 70
- EN-GJS : 450-10, 500-7, 600-3 & 700-2
- ASTM : 60-42-10 / 70-50-05 / 80-55-06 / 100-70-03

CUSTOMER SPECIFICATIONS ACHIEVED

- Induction Hardening Case Hardness : > 60 HRC
- Induction Hardening Case Depth : 1 - 2 MM
- Chill Hardness in Chilled Cast Iron : > 52 HRC
- Chill Depth in Chilled Cast Iron : 2 - 4 MM
- Surface Roughness : < 0.08 Ra (< 1 Rz)
- Surface Flatness : < 10 Microns
- Bore Circularity : < 3.5 Microns
- Bore Cylindricity : < 3.5 Microns
- Bore Straightness : < 4 Microns
- Bore Diameter Tolerance : < 8 Microns
- Bore-To-Face Perpendicularity : < 25 Microns
- Parallelity : < 10 Microns
- Positional Tolerance : +/- 20 Microns
- Run Out : < 3 Microns

OUR EXPERTISE

- Automotive Parts
- Automotive Assemblies
- Automotive Compressor Parts
- Hydraulic Components
- Power Transmission Parts
- Textile Machinery Parts
- Grinded Shafts & Pins

PRODUCTS

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