



About Hydrobenz Industries Pvt. Ltd.

Hydrobenz Industries Pvt. Ltd. has been a world-class leader in manufacturing of **Precision Machining Parts, Mechanical Assemblies**. Our state-of-the-art manufacturing facility is located in Rajkot, Gujarat, India.

We have achieved success by doing business as a partner with our customers. Hydrobenz Industries Pvt. Ltd. is a partnership company. Our goal is to provide solutions for your toughest manufacturing problems.

Your Complete Manufacturing Solution

Our contract manufacturing operation is customized to fit our customers' unique needs. From process design-assist and production layout, to supply chain management that delivers quality products on a "just-in-time" basis at competitive costs, we create a complete manufacturing solution.

Commitment to Quality

Hydrobenz Industries Pvt. Ltd. ISO 9001 certified Quality Management System ensures product & parts meet the identified tolerance specifications. We will help to lower your costs and ensure a reliable supply of critical components and assemblies are ready when you need them by creating a custom Inventory Management Program with you. View our Quality Policy Statement.

Leader in Hydraulic Cylinders Manufacturing

Company has been always one step ahead of change and innovation has become one of India's leading hydraulic cylinder manufacturer. Pursuing the aim of harmonizing all its activities with international standards, it progresses step by step to the goal of catching success in the world by exporting to many different countries.

Leader in Precision Machining

With a seasoned engineering staff, continuous reinvestment in equipment, technology, and processes, we have remained a dominant leader in the precision machining industry. In the past three years alone, we have reinvested over **\$950,000** as our sales have grown and our customers continue to outsource their toughest jobs to us.

Capabilities, Facilities and Equipment

Manufacturing Equipment

- CNC Lathe – 12 Nos.
- CNC Milling with 4th Axis – 06 Nos.
- Radial Drill – 02 Nos.
- Circular Saw – 02 Nos.
- Bandsaw Saw – 02 Nos.
- Conventional Lathe – 03 Nos.
- Vibro. Deburring – 01 Nos.
- Honing Machine – 01 No.

Welding & Fabrication Booths

- ARC Welding – 03 Nos.
- MIG Welding – 02 Nos.
- Brazing

Part Cleaning

- Part washing equipment
- Ultrasonic cleaner

Inspection Equipment

- Analog Blade Micrometers
- Analog Micrometers
- Analog Plunger Type Dial Micrometers
- Bore Gauges
- Digital Height Gauge
- Vision Measuring system
- Digital Vernier Caliper
- And many more....

Managed Outsourced Secondary Operations

- Grinding
- Plating
- Hobbing
- Heat Treating
- Gun Drilling
- Broaching
- Lapping
- Stamping
- Pressing

Quality Practices

- PPAP (Production Part Approval Process)
- ISIR (Initial Sample Inspection Report)
- FMEA (Failure Mode and Effects Analysis)
- SPC (Statistical Process Control) data collection with automated gauging
- 8D Root Cause Analysis
- APQP

Manufacturing Software

- Auto CAD
- Solid Works

Capabilities, Facilities and Equipment



HAAS / VF2i
Vertical machining Centre



ACE / MCV-450
Vertical machining Centre



B PARMAR
Vertical Honing Machine

Capabilities, Facilities and Equipment



ACE / JOBBER JUNIOR
Turning Machining Centre



ACE / J-300-LM
Turning Machining Centre



LMW / LX20T-L5
Turning Machining Centre

Capabilities, Facilities and Equipment



ITL / CSNC-80
Circular Saw Machine



B PARMAR / J-300-LM
Radial Drill



B PARMAR / BPEW-2016125
Heavy Duty Lathe

Capabilities, Facilities and Equipment



LAXMAN / LK-421DCA
Fully Automatic Band Saw Machine



DALAL / VFM-150LDR
VIBRO MACHINE



TOSHON / DONARC 400 SUMO
ARC Welding Machine



KEMPP / Hi Arc F10
MIG Welding



MELTRONICS
Ultrasonic Cleaning Machine



Cylinder Pressure Testing

Engineering

Hydrobenz Industries Pvt. Ltd. offers a wide range of engineering capabilities that enable us to produce the most complex parts, complete to print. In addition, our ability to design and produce all of our own tooling, fixtures, and assembly equipment in-house, allows us flexibility in delivering quality products, on time.

Our engineering excellence includes product design assistance, process engineering, and product development ideas and solutions. Using a variety of software options, we provide our customers with unique design work for specialized products with optimal machining strategies.

- VA/VE Engineering
- Design for Manufacturability (DFM)
- Process Engineering
- SolidWorks
- Project Management

Quality Assurance

Hydrobenz Industries Pvt. Ltd. is committed to producing top-quality products that exceed customer expectations. Our quality assurance system involves employees and suppliers in a continuous improvement quest to achieve superior results. We empower every team member to monitor and control each stage of the manufacturing and shipping process resulting in on-time delivery of quality products.

Advanced quality product planning begins at part inception and materials procurement. We purchase only the best materials from key suppliers we trust. After all, we have been in same business experience for more than 55 years. We know exactly who to go to.

Our systems are ISO 9001 certified. Consistent use of Six Sigma practices and Statistical Process Control (SPC), ensures every product passes stringent quality control requirements. Hydrobenz Industries Pvt. Ltd. invests in the support that our Certified Mechanical Inspectors need to accurately check specifications and achieve zero defects.

Stocking and Shipping

Minimize the costs of inventory stocking and shipping with an inventory management strategy designed specifically for your business. We manage production planning and provide just-in-time delivery to reduce excess product and warehousing.

Our strategy includes efficient monitoring and scheduling of your products. You'll see the benefit of our lean manufacturing process and just-in-time shipping reflected in your bottom line.

Hydrobenz Industries Pvt. Ltd. ' Inventory Management Strategy includes:

Working on Online Scheduling which help us,

- Real-time shop floor data collection
- Computerized project tracking system
- Internal forecasting
- Accurate up-to-date delivery status reports

Delivery and Distribution

- Improved inventory returns
- Increased customer manufacturing space
- Reliable delivery with Hydrobenz-owned trucks
- Product protection with returnable/reusable dunnage
- Kan Ban, JIT,
- Supply Chain Management

Precision Machining

Hydrobenz Industries Pvt. Ltd. is your one source for quality precision machining and assembled components. With over several years of experience and a vast range of innovative equipment, we offer competitive pricing with a wide array of machining capabilities.

Using our extensive engineering and process development experience, we identify and utilize the best production methods to produce the quality components you need. Our customers have access to cutting edge manufacturing technologies and automation.

Our employees are highly-skilled machinists and engineers. We have expertise in all grades of bar stock, casting materials, forgings and extrusions.

Full Functioning Engineered Prototypes

Prototypes are essential to product advancements. We know manufacturing quality, cost-effective products begins before production. As a contract manufacturer of precision machining, our clients have access to Hydrobenz's resources in advanced prototype development.

Scalability of a design into Final Production

Hydrobenz's engineers are accustomed to the process. Our precision machining experts and process engineers use sophisticated prototyping equipment including EDM, CNC machining centers and lathes. By getting involved early in the concept phase and working with you every step of the way, we are able to deliver prototype products that result in high quality, are economical and ready for production.

Value-Added Subcontracting Services

- Surface Grinding
- Cylindrical Grinding
- Barrel and Rack Plating
- Zinc Plating
- Black Oxide
- Copper Plating
- Chrome Plating
- Silver Plating
- Nickel Plating
- Anodizing
- Polishing and Painting
- E-Coat
- Powder Coating
- Heat Treating
- Carburize

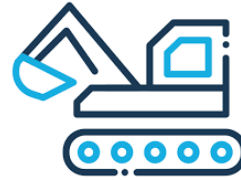
Industries to whom we serve



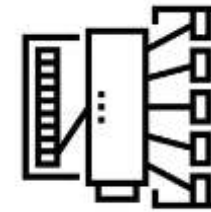
Hydraulic Industries



Automobile Industries



Construction Industries



Textile Industries



Forestry Industries



Oil & Gas Industries



Agriculture Industries



Fire & Safety Industries



Plumbing Industries



Sensor Industries



Pneumatic Industries



HVAC Industries



Airport Equip. Industries



Pharma Equip. Industries



Aerospace Industries



Valve Industries

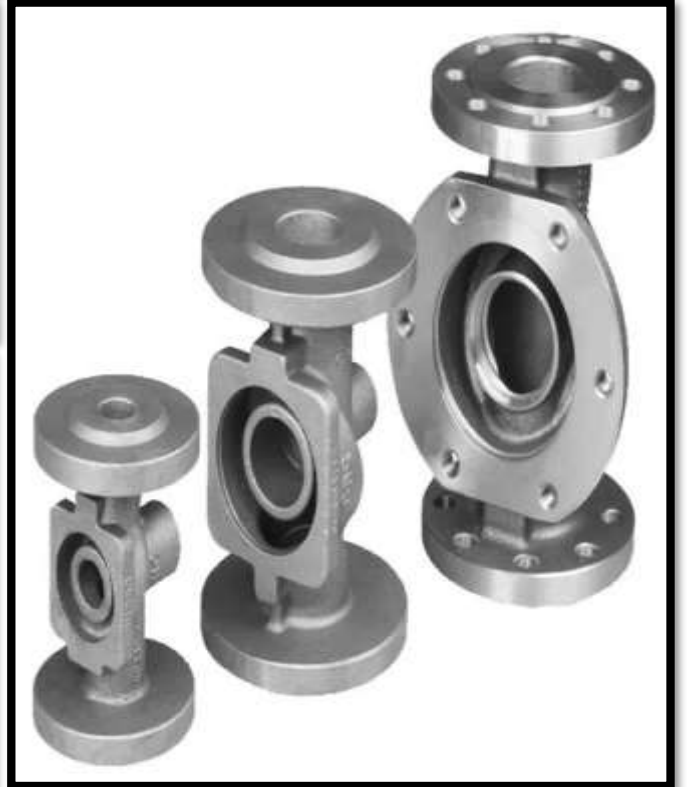


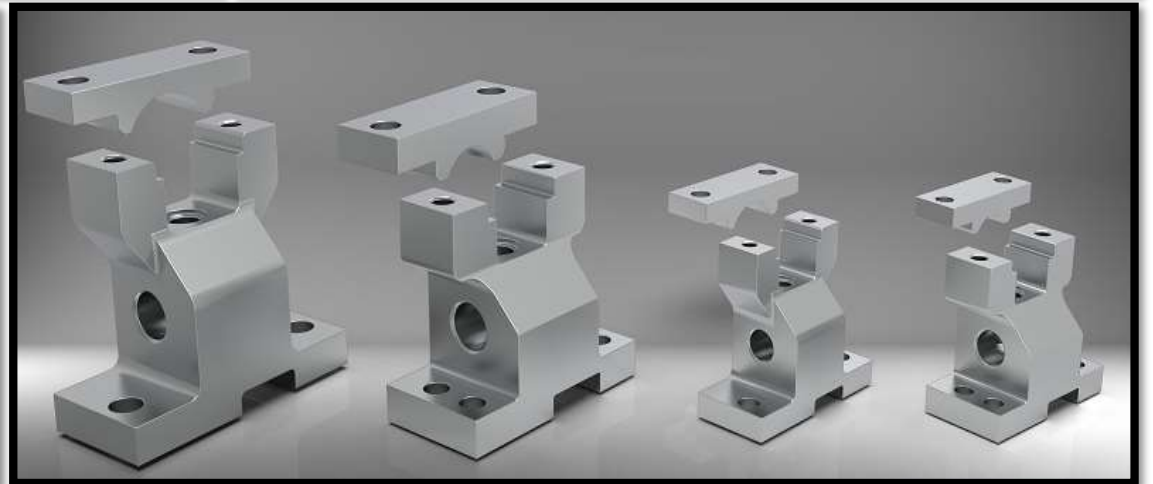












Stainless Steel

AISI303
 AISI304/304L
 AISI 316/316L
 AISI316Ti
 AISI410
 AISI416
 AISI420
 AISI431
 17-4PH
 15-5PH

Aluminum

1100
 AL 2014
 AL 2024
 AL 3003
 AL 6061
 AL 6082
 AL 6063
 AL 7075

Bronze & Brass

CDA 84400
 CB491K
 C86200
 CW614N
 CW617N
 C36000
 C37700
 C48600
 CW602N
 CZ129
 CuZn40Pb3
 CW601N
 CW606N

Carbon Steel & Alloy Steel

SAE 1010
 SAE 1018
 SAE 1020
 SAE 1026
 SAE 1040
 SAEV1045
 12L14 / EN1A

 SAE 4140
 SAE 8620
 SAE A105
 SAE En8D
 A105
 LF2

Eng. Plastics

Nylon
 Delrin
 PA6
 PA66
 PTFE (Teflon)
 Polypropylene
 PEEK
 PET
 PVDF
 Acrylic
 PA6 GF
 PVC



RAPID I
Vision Measuring System



Mitutoyo/Baker
Different Type Vernier

Mitutoyo



Mitutoyo/Insize
Different Type Vernier



Mitutoyo/Insize
Bore Gauges



Mitutoyo
Height Gauge



Concentricity
0.020 mm min.



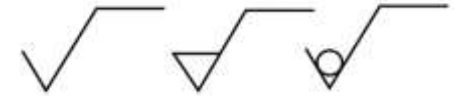
Run Out
0.010 mm min.



Flatness
0.010 mm min.



Parallelism
0.010 mm min.



Surface Roughness Ra 0.20 max
Surface Roughness Ra 1.20 max

Geometrical Dimension

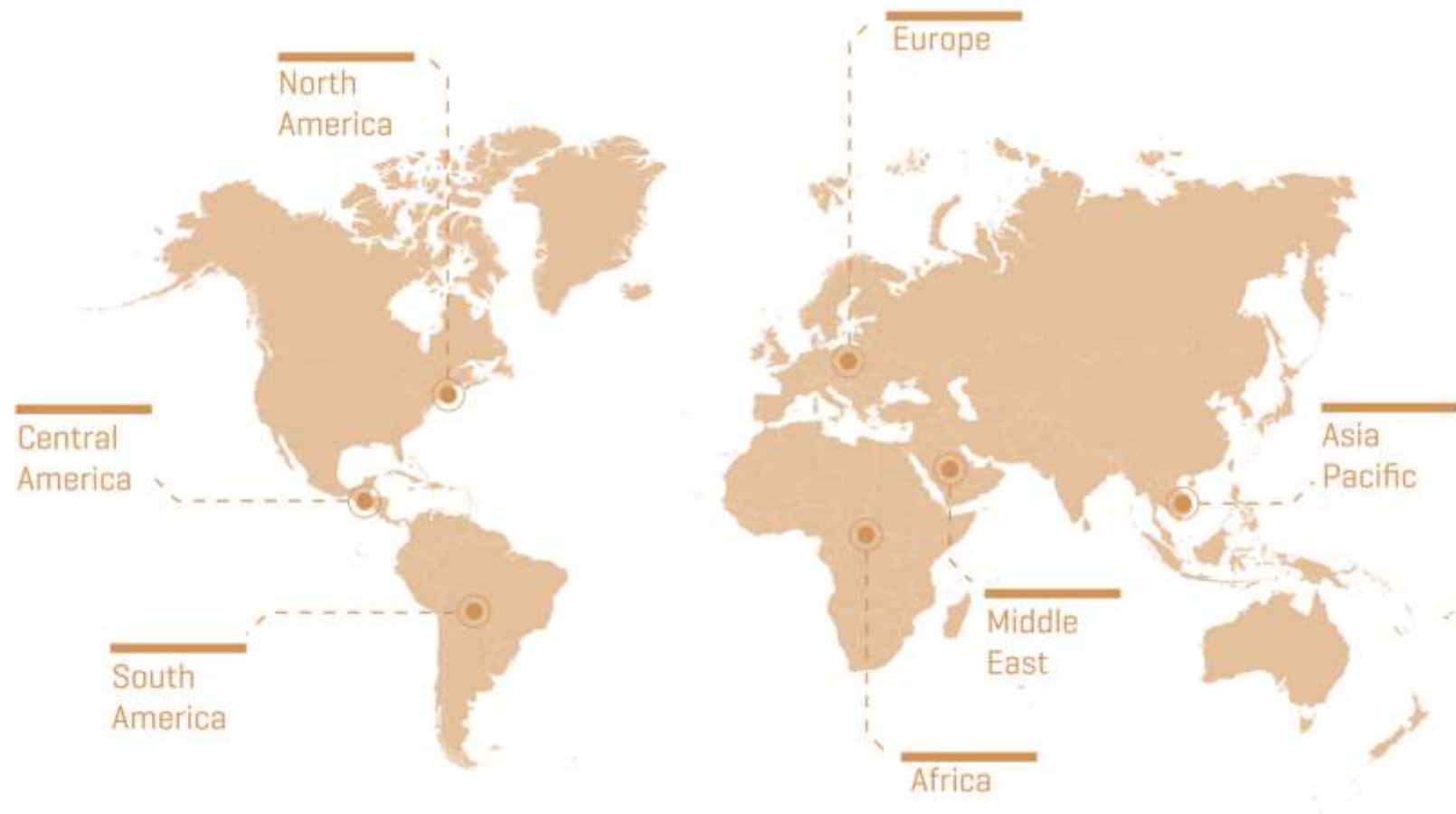
Surface Roughness

Heat Treatment

Quenching & Tempering
Normalizing
Annealing
Induction Hardening
Case Hardening
Nitriding

Surface Finishes

Zinc Plating
Nickel Plating
Chrome Plating
Power Coating
Anodizing
Blackening
Phosphating
Galvanizing



Our vision is to become your added value, your solutions provider.

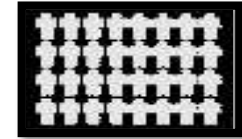
We are driven by a continuous pursuit of excellence on every single aspect, from innovative manufacturing systems to the latest materials, coatings and treatments. **Our passion** shows our commitment to the best and beyond.



Hydrobenz Industries Pvt. Ltd.

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**75 Qualified
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