



## BACKGROUND

Mercury Precision Products Pvt Ltd, founded in 1999, supplies medium-to-high volume worm gears, shafts, spur & helical gears, and other precision machined components to Tier-1 automotive companies in North America, Europe, Brazil, China, and India.

## PRODUCT LIST

- Worm Gears
- Worm Shafts
- Precision Machined Components
- Spur and Helical Geas

## OUR COMMITMENT

- Zero-Defect Quality
- Warehouse stock for JIT delivery
- Customer Satisfaction
- Value-Engineering
- Continuous Improvement
- Quick and Reliable Service

## DISTRIBUTION FACILITIES

- USA:
  - Charleston, SC
  - Kansas City, MO
  - Detroit, MI
- Europe: Gothenberg, Sweden
- India: Chennai



A view of one of our factories in Chennai, India

## LIST OF FACILITIES

### Gear Hobbing Machines

- 3-Axis CNC Gear Hobbers (300mm capacity)
- 3-Axis CNC Gear Hobbers (50mm capacity)
- Manual Gear Hobbers (various capacities)

### Broaching Machines

- Americal Broach Horizontal Broaching Machine (5-Ton)
- Vertical Broaching Machines (10-Ton)
- Vertical Broaching Machines (3-Ton)

### CNC's

- Jobber CNC lathes (various capacities & sizes)
- GeeDee Weiler (several)
- Ace Vertical Machining Center

### Multi Spindle Automatic Lathes

- Gildemeister 6 spindle (several machines of various capacities)
- Acme Gridley 6 spindle

### Thread / Spline Rolling

- Spline Rolling Machines (40-Ton, 30-Ton)
- Thread Rolling Machines (15-Ton, 8-Ton)

### Grinding Machines

- Surface Grinding Machines
- Cylindrical Grinding Machines
- Centerless Grinding Machines

### Presses

- 50-Ton Hydraulic Presses
- 6-Ton Hydraulic Presses
- 1-3 Ton Pneumatic Presses

### Other Machines / Secondary Operations

- Rotary Transfer Machines
- Drilling, Reaming Machines
- Tapping Machines
- Milling Machines



Multi (6) spindle Bar Automat



Horizontal Broaching Machine



3-Axis CNC Gear Hobber



40-Ton Spline Rolling Machine



CNC Machining Center



Contour Tracer - highly precise surface contour measurements

## LIST OF FACILITIES (CONTINUED)

### Inspection

- Zeiss Contour Tracer
- STI Optical Comparator
- Hardness Tester
- Plating Thickness Meter, Surface Finish Meter
- Various Slip Gages, Plug Gages, etc.
- Surface Finish measuring instrument, etc.
- Verniers, Micrometers, other standard gauges & instruments



Optical Comparator

## MATERIALS & PROCESSES

### Materials

- Low Carbon Steels
- High Carbon Steels
- Alloy Steels
- Bronze

### Heat-Treatments

- Case Carburizing
- Carbonitriding
- Through Hardening
- Induction Hardening
- Nitrocarburizing

### Surface Treatment (sub-contract)

- Zinc Plating (Trivalent & Hexavalent)
- Black Oxide Coating
- Zinc Phosphating



TS16949 Certificate



Worm Gears / Wheels of Various Sizes  
Broached, OD Ground, Heat-treated



Rolled Worm Shafts with Several  
Secondary Operations / Heat-Treatment Options



Standard Screw Machine Parts



Complex Precision Machined  
Parts to Exacting Tolerances



Gears (Including Spur & Helical) With Several  
Secondary Operation and Heat-Treat Options

**Contact Information:**

***Tel: (India Factory): +91 44 26758200***

***Tel (USA Technical Center): +1 (281) 397-7770***

***Fax: +1 (281) 397-8387***

***E-mail: [sales@mercuryprecision.com](mailto:sales@mercuryprecision.com)***

***Web: <http://www.mercuryprecision.com>***