



Shivam

Autotech Ltd.

A Hero Group Company

Shivam Autotech Limited, commenced operations in September 1999 as a full fledged, autonomous wing of the HERO Group, a renowned corporate giant with \$ 4.20 billion turnover annually.

With an Employee Strength of around 950 members, it manufactures and markets Components for the Auto Sector to an **Original Equipment Manufacturer (OEM)**. Its current product offering includes **Engine Transmission Components** ie: **Gear Blanks, Spline Shafts, Finished Gears & Plungers.**



A ISO/TS 16949, OHSAS 18001 & ISO 14001 Certified Company, Shivam Autotech's Unique Selling Proposition is the fact that it is among the few auto component manufacturers in the country today which uses **Near Net Shape Technology for Cold and Warm Forging.**

INTEGRATED POLICY

Shivam Autotech is committed to :
Total Customer Satisfaction.
Enhancing Product Quality & Delivery.
Attaining Pollution & Occupational Hazard Prevention Goals.

It shall achieve these objectives and improve the effectiveness of the system continually through...

Motivating and involving personal for world class performance. Achieving and improving objectives through regular reviews. Complying with applicable statutory requirements.

Values of Shivam Autotech Ltd.
Continuous Improvement and Innovations.
Team Work.
Customer, Supplier & Employee Orientation.
Ethical Behavior

VISION

"Leadership" through World Class Products, Modern Practices and Customer Satisfaction.

MISSION

To develop market driven products and achieve customer satisfaction through timely delivery of quality products at competitive cost by utilizing high productivity levels, trained human resources, team based & customer oriented work culture with continuous improvement.



ISO/TS 16949
ISO 14001
OHSAS 18001



KEY DATA :

- Certifications/Awards** : ISO/TS 16949, ISO 14001, OHSAS 18001 DOL Certificate from Hero Honda Motors Ltd. Excellence in Performance from Mico Bosch
- Employees** : 950
- Capital Employed** : Rs. 1500 Million
- Annual Installed Capacity** : Forgings- 22.95 Million Nos.
Machining- 26.28 Million Nos.
Gear Finishing- 11.76 Million Nos.
- Our Esteemed Customers** : Hero Honda
Mico Bosch
- Materials Forged** : Carbon & Alloy Steels
- Products Manufactured** : Transmission Gear Blanks
Transmission Gear Shafts
Transmission Gears
Precision Auto Components
- Size of Parts** : Hobbed Gears Dia. Up to max. 150mm, Module 4, Class DIN 8 & Shaved Gears Class DIN 6
- Processes** : Near Net Shape Warm Ratchet Teeth Forging & Lug Parts
Net Shape Cold Spline Shaft Extrusion
Precision CNC Machining
CNC Gear Hobbing
CNC Shaving
Heat treatment-Normalising, Annealing, Fine Carburizing
In House Die Design
In House Die Manufacture Tool Room
- Industries Catered** : Automobiles

OUR STATE OF ART EQUIPMENT CONSISTS OF**Binola Plant**

MACHINES	COUNTRY	NO'S
Chopper	Japan	2
1350 ton Press	Korea	1
630 ton Warm Forging Press	Taiwan	2
400 ton Warm Forging Press	Korea	1
200 ton Hydraulic cold forging	India	2
CNC Hobbing	Japan	15
CNC Shaping	Japan	4
CNC Shaving	Japan	2
CNC Turning	Japan	88
CNC Gear Profile Tester	USA	2
CNC Tool & Cutter Grinder	USA	1



Forging at Shivam Autotech Ltd. Is carried out with the latest, **Near Net Shape Technology.**

This technology results in the production of forged parts, which is as close to the final product as possible thus enabling marginal machining allowances and greater accuracy.

Shivam Autotech Ltd. manufactures high precision products with excellent surface finish and stronger metal properties through both Cold and Warm Forging processes.



WARM FORGING

Cold Forging is carried out at room temperature thus eliminating energy usage in other forms.

The application of Cold Forging ensure :

1. Metal Strength
2. Durability
3. Better Grain Structure
4. Precise Tolerances

Warm Forging is a new process technology that combines the advantages of Cold Forming and Hot Forming



HOT FORGING

In comparison to Hot Forming , it provides the following advantages

1. Near Net Shape Part
2. Better Grain Structure
3. Better Surface Quality
4. Reduced Energy Cost
5. Greater Accuracy



COLD FORGING





CNC TURNING

Shivam Autotech Ltd. has the latest in Gear manufacturing facilities, viz, **Leibherr CNC Shaping Machine, Mitsubishi CNC Hobbing and Shaving Machine.**

GEAR SHAPING



GEAR SHAVING



GEAR HOBGING



HEAT TREATMENT



CNC HONING



COLD FORMER (NEDSCHROEF)



HOT FORMER (HATEBUR)



NEW PLANT IN HARIDWAR

MACHINES	COUNTRY	NO'S
Horizontal Hot Former	Switzerland	1
Horizontal Cold Former	Belgium	1
650T Knuckle Joint Press	Taiwan	1
630T Warm Forging Press	Taiwan	2
250T Knuckle Joint Press	Taiwan	3
CNC Hobbing	Japan	7
CNC Shaping	Japan	1
CNC Shaving	Japan	1
CNC Turning	Japan	24

INSPECTION & TESTING

- Profile Projector
- Surface Roughness Tester
- Magnetic Crack Detector
- Brinell Hardness Tester
- Rockwell Hardness Tester
- Metallurgical Microscope
- Image vicker Hardness Tester
- Cutting & Polishing M/C

Various Other Measuring Instruments
Like Digital Height Gauges, Micrometers, Air
Gauges,
Digital Vernier Calipers, Slip Gauges, etc.

- CNC Gear Analyzer
- Chemical Lab
- Gear Rolling Tester
- CMM (Zeiss)

WALTER CNC TOOL & CUTTER GRINDER



M & M GEAR ANALYZER





There is more to Shivam Autotech....

Shivam Autotech's true asset are its people, People drive processes.

Employee Satisfaction is the stepping stone to Customer Satisfaction. Recognizing this need Shivam Autotech has given priority to the Employee welfare and it has the best Training and HRD Policies in place.

Gemba Kaizen and 5S are practiced on regular basis and cultural activities are conducted for employees and their families.

It endeavors to provide the best work environment for its people. Shivam Autotech has been recognized with the Occupational Health and Safety Standard OHSAS 18001 Certification.

Shivam Autotech cares. It has stood up to its environmental responsibility, treating its sewage and effluent waste, converting it into water for horticulture and in-plant industrial use. It also practices rainwater harvesting. As a result Shivam Autotech has been awarded the ISO 14001 : Certification for Environmental Management.

Shivam Autotech is well poised on its journey towards globalization.

The future looks exciting for Shivam Autotech and it is ready to forge it in metal.....



world class gears and spline shafts