

BHARAT FORGE



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BHARAT FORGE



India's Largest  
Auto Component  
Manufacturer &  
Exporter



# Bharat Forge Smart Engineering for a Better World

## Business segments Automotive



**Passenger Vehicles**



**Commercial Vehicles**

## Industrial



### Power

Manufacturing critical components for application in conventional & Renewable Energy

Built capabilities in renewable energy, which is further strengthened by acquisition of JS Auto Cast which is a leading player in the space.



### Defence and Aerospace

A long-standing supplier of critical components to India defence establishments and global Aerospace players with indigenous capabilities

Manufacturing world-class products

- Artillery systems and Armored vehicles for India Defence forces
- Rotating and landing gear components for global Aerospace players with reputation of zero-defect supported by automated operations



### General Engineering

Manufacturing high quality and durable products for a range of heavy engineering applications



### Resources (oil & Gas, Construction & Mining))

Manufacturing critical, high-end construction and mining components

Highly durable products for use in extreme applications

Explore potential for-systems leveraging wide construction equipment component manufacturing competence of JS Auto Cast



### Rail and Marine

Leading railway engine components manufacturer for domestic and global markets

Capability of supplying indigenously developed turbochargers for rail applications



**INDIA**

**Bharat Forge**  
 Steel Forging Capacity  
**403,750 MTPA**  
 Aluminum Casting Capacity  
**2,400 MTPA**

**Sanghvi Forging and Engineering**  
 Steel Forging Capacity  
**20,000 MTPA**

**JS Auto Cast**  
 Iron Casting Capacity  
**53,976 MTPA**

**NORTH AMERICA**

Steel Forging Capacity  
**30,000 MTPA**  
 Aluminum Casting Capacity  
**10,000 MTPA**

**EUROPE**

Steel Forging Capacity  
**190,000 MTPA**  
 Aluminum Casting Capacity  
**40,000 MTPA**

**Total Locations**  
**15**

# Automobile

### Engine

Crankshaft  
Connecting Rod  
Fuel Injection System  
Turbocharger  
Stator  
Carrier  
Cam  
Impeller  
Nozzle Ring  
Piston for PV and CV

### Driveline

Precision Forged Differential Gears  
Tandem Axle Gears  
Yoke  
Spindle  
Near Net Forged Crown Wheel Gears

### Chassis

Front Axle Beams  
Steering Knuckles  
Steering Arms and Suspension Arms  
Reinforcement Bracket  
Tie Rod  
Knuckle  
Fork  
Control Arms

# Transmission & Drive Lines

Cold Forge Shafts  
Planetary Output Shaft  
Machined Transmission Shaft  
Plant Carrier  
Precision Forged Components

### EV Offerings

EV Axle Components  
Gear & Shaft for E-axle Application  
Rotor Carrier and Rotor Shaft Motors Parts

# Construction & Mining Products

### Tracklink

Tracklink for Construction

### Hub & Spindle

Front Spindle

### Engine

Machined Crankshaft  
Injector Body

# Rail Products

### Engine Components

Crankshaft  
Connecting Rod  
Carrier Piston  
Retainer Cyl Head  
Piston Crown  
Top Deck End & Center

### Bogie Components

Gearbox Support Motor Support  
Primary Support  
Machined Locomotive Axle  
Forged Portal Axle  
Forged Gear Blank

### Turbocharger

Rotor Assembly  
Machined Compressor Wheel  
Turbine Disc Bucket Assembly

### Power Electronics

# Marine Products

### Shafts

Propeller  
Marine Motor  
Stern Tube

### Engine

Crankshaft  
Conrod  
Piston Rod

### Rudder

Stock  
Trunk  
Pintle

### Hydro

Fully Machined  
Proof Machined

### Wind

Shaft - Main Wind  
Fast/Slow Wheel  
Hallow Wheel

### Others

Turbine blade  
Forged Nozzle  
Tube Sheet  
Disc

### Power

#### Thermal

##### Rotor Shaft

Proof Machind Rotor  
Fully Machined Rotor  
Generator  
Welded Rotor  
Fan Rotor  
Stepped Rotor

### Surface

Gate Valve Body  
Casing Spool  
Shell  
Y Block

### Subsea

Mandrel  
Connectors  
Spool Body  
Ring

### Drilling

Quintplex Fluid End  
Single Cyl Fluid End  
Double Bop  
Crankshaft  
Ring  
Pinion  
Top Drive - Spindle

# Aerospace Products

### Aero Structure

Aft  
Flap Track  
Nacelle

### Engine Components

Machined Blade  
Crankshafts  
Shafts  
Disc  
Forged Blade  
OGV Blade  
Piston Carrier  
Cam Shaft  
Connecting Rod

### Landing Gear Component

Main Fittings  
Trailing Arm  
Upper Torque Link

### APU Components

Impellers  
Flanges  
Disc