

Hempel Forge Limited

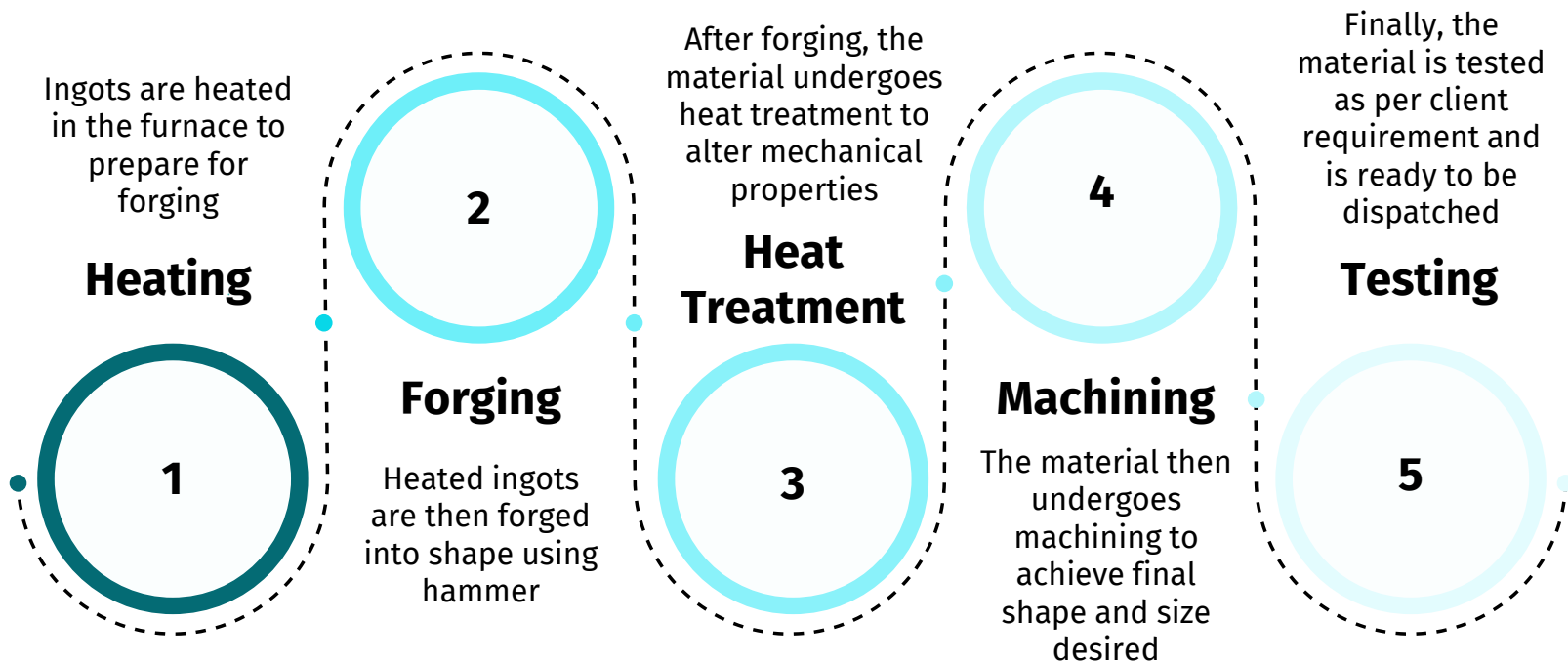
Forging, Heat Treatment, Finish Machining

Manufacturing of finished components such as ball, stem, trunnion plate, body, bonnet, etc.

Manufacturing company of Forged round bars, Square blocks, Rectangular blocks, Forged Plates and Sleeves/ Rings.

Specialist in manufacturing of Alloys Steels, Austenitic Stainless Steels, Ferritic and Austenitic stainless steel, Martensitic Stainless Steels, Nickel Alloys Forgings and Low alloys Steels

Manufacturing Process



Industries Served

Power Generation

Steam & Gas,
Hydroelectric, Geothermal,
Wind, Nuclear

Oil & Gas

Upstream, Downstream,
Process Equipment

Gear, Transmissions & Bearings

Gears/Gear Boxes,
Transmission Bearings,
Ultra-Large Bearings



Mobility

Automotive, Industrial
Vehicles

Construction Equipment

Construction, Mining,
Tunneling

General Industry

Dies, Rolls, Agriculture,
Chemical Process
Equipment, Fluid Handling

Heating Facility



Oil Fired Box Type Furnace

Capacity = 10 Ton

No. of Furnace = 2

Dimension of the furnace = 3m x 3m x 3m

Heat Treatment Facility

Electrical Bogie Type Furnace

Capacity = 10 Ton- 1 No,- 1m x 1m x 6m

Capacity = 1 Ton- 1 No.- 1m x 1m x 1m



Gas Fired Furnace

Capacity = 10 Ton

No. of Furnace = 1

Dimension of the furnace = 1m x 1m x 6m



Open Die Forging Hammers



Hammer 1

Capacity = 10 Ton

Type: Steam Hammer

Maximum Stroke Height – 2000 mm

Hammer 2

Capacity = 0.5 Ton

Type: Pneumatic

Maximum Stroke Height – 500 mm



Material Handling Facility

Material Manipulator

Capacity = 10 Ton

No. of Furnace = 2

Dimension of the furnace = 3m x 3m x 3m

EOT Cranes

Capacity = 10 Ton – 6 Nos.

Capacity = 3 Ton – 1 Nos.



Machineries



Conventional Horizontal Lathe Machine

Conventional Horizontal Lathe Machine

- Horizontal Lathe machine – Maximum Dia – 300 mm, Maximum Length - 500 mm – 1 No
- Horizontal Lathe machine – Maximum Dia – 200 mm, Maximum Length - 1000 mm – 1 No
- Horizontal Lathe machine – Maximum Dia – 400 mm, Maximum Length - 1000 mm – 1 No
- Horizontal Lathe machine – Maximum Dia – 300 mm, Maximum Length - 1500 mm – 1 No
- Horizontal Lathe machine – Maximum Dia – 300 mm, Maximum Length - 2000 mm – 1 No
- Horizontal Lathe machine – Maximum Dia – 600 mm, Maximum Length - 2000 mm – 1 No
- Horizontal Lathe machine – Maximum Dia – 300 mm, Maximum Length - 3000 mm – 1 No
- Horizontal Lathe machine – Maximum Dia – 600 mm, Maximum Length - 3000 mm – 1 No
- Horizontal Lathe machine – Maximum Dia – 400 mm, Maximum Length - 3500 mm – 1 No
- Horizontal Lathe machine – Maximum Dia – 400 mm, Maximum Length - 4500 mm – 1 No
- Horizontal Lathe machine – Maximum Dia – 400 mm, Maximum Length - 5000 mm – 1 No
- Horizontal Lathe machine – Maximum Dia – 500 mm, Maximum Length - 5000 mm – 1 No
- Horizontal Lathe machine – Maximum Dia – 500 mm, Maximum Length - 6000 mm – 1 No

Machineries

Vertical Turning Lathe Machine

Capacity = Max Dia 1200mm, Max Height 500mm

Nos. = 1



Vertical Machining Centre

Table Size = 1050 x 450 mm

X-axis = 800mm, Y-axis = 440mm, Z-axis = 490mm



Machineries

Cutting Machines

Cutting Machine 1 - Max Dia 770 mm

Cutting Machine 2 - Max Dia 850 mm

Cutting Machine 3 - Max Dia 220 mm

Cutting Machine 4 - Max Dia 250 mm



Machineries

Drilling Machines



Machineries

Horizontal CNC 1

Swing Over Bed - 510 mm
Chuck Dia - 210 mm
Max Turning Dia - 320 mm
Max Turning Length - 690 mm



Horizontal CNC 2

Swing Over Bed - 680 mm
Chuck Dia - 300 mm
Max Turning Dia - 470 mm
Max Turning Length - 1200 mm



Grades

We can process any kind of Carbon, Low, Medium & High Alloy Stainless Steel

General Engineering Grades:

C35/35C8, C40/EN8, EN19/42CrMo4, EN24, ASTM A182 F22, ASTM A182 F11, ASTM A182 F22, ASTM A182 F91, AISI 4130

Boiler and Pressure Vessel Grades:

ASTM A105, ASTM A350 LF2

Tool and Die Steel:

H13

Nickel, Copper and Titanium Steels

Stainless Steels:

AUSTENITIC – ASTM A182 F304, F304L, F316, F316L, F321, F321H, F347, F347H, F317, F317L

MARTENISTIC – ASTM A182 F6a, AISI 410, AISI 420

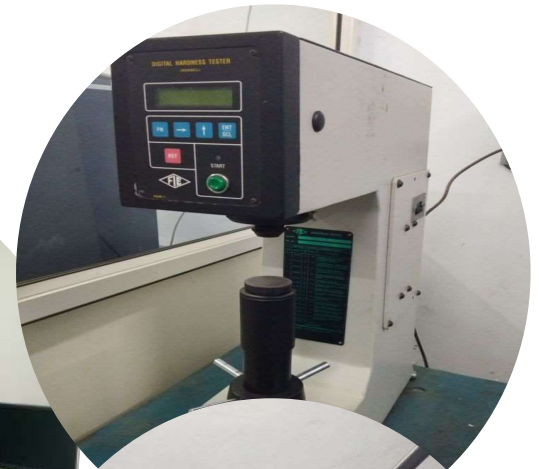
Ferritic-Austenitic – ASTM A182 F51, F53, F55, F60



Testing Lab

Complete In-house Testing

Universal Tensile Testing Machine – 0 to 400 Kn
Impact Testing Machine (Charpy) – 0 to 300 J
Broaching Machine with tools
Brinell Hardness Testing Machine
Portable Leeb Hardness Testing Machine
Digital Rockwell Hardness Testing Machine
Corrosion
Surface NDE - MPI and DP Testing facility
Volumetric NDE – UT Testing facility
Infrared Pyrometers
Temperature Gun
Lux Meter
UV Light Meter
Gauss Meter



Team Hempel Forge



Address

Factory Address

Block No. 156, Village: Vasna Margiya,
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Sales Office Address

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