



prakash



yantra

HEAVY
FORGE
DIVISION

Shaping
the needs of the
future

Overview

We would like to introduce ourselves as a manufacturing company for medium to heavy steel Forgings out of Carbon, Alloy and Stainless Steel with the help of 1500 Ton Hydraulic Press equipped with manipulator. The Forgings are duly Heat-Treated to achieve the required Physical properties and are supplied in Proof-machined / ready to use condition. Our In – House facilities include Fully Chemical, Physical and NDT Lab to ensure quality at every stage of Forging. The customers of our group include an array of satisfied Public and Private Sector Organizations.

Mission

Our organization is having a sole motto to produce quality products keeping in mind the tailor made requirements of the customer to ensure timely delivery duly inspected by your/ third party inspector within a competitive price range. We are equipped with vast range of Forging and machining facilities that can meet all necessary requirements of the customers.

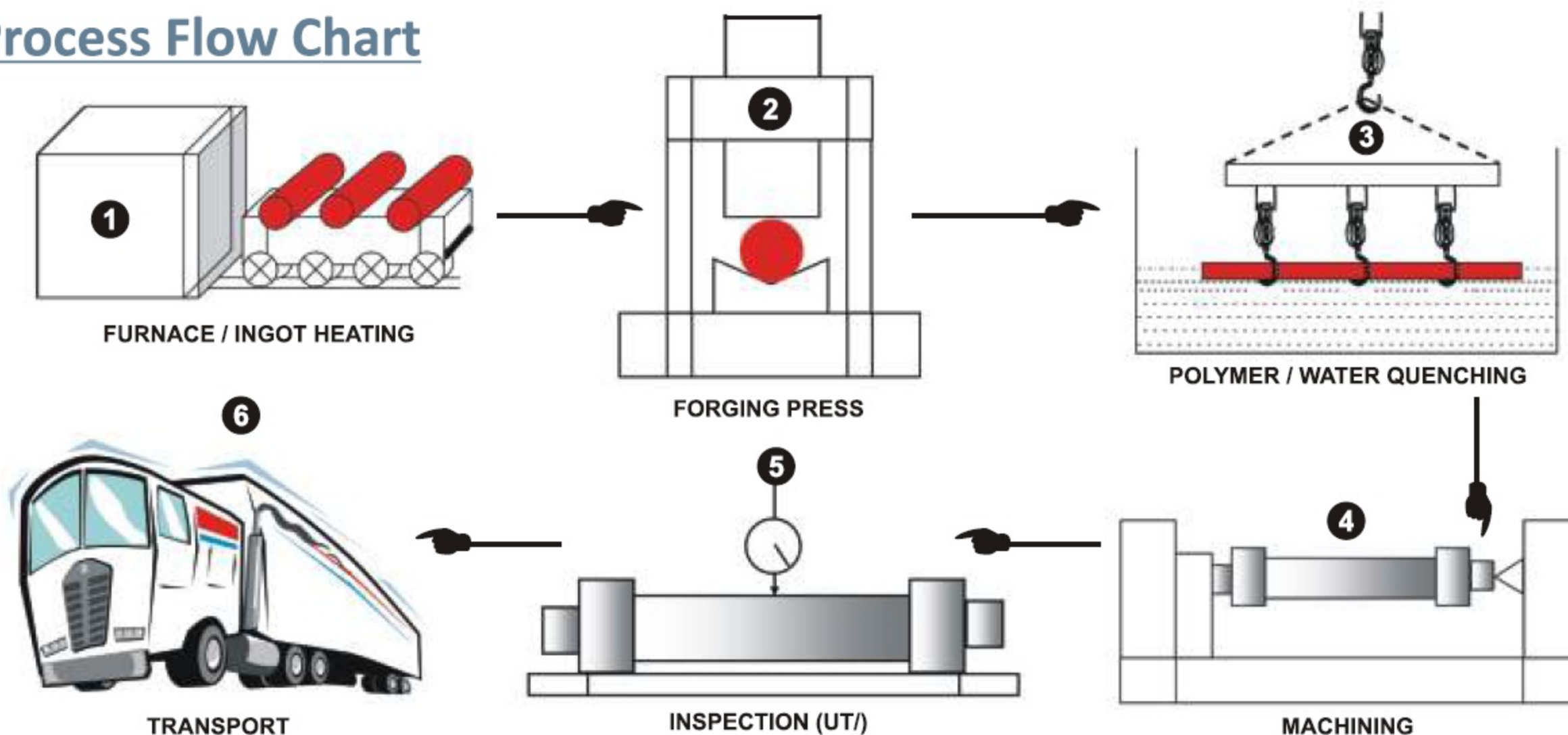
The forgings produced are duly heat treated to achieve the required Micro Structure & Physical properties. We are in position to supply these forgings in Proof-machined / ready to use condition. Our In – House facilities include fully equipped Chemical, Physical and NDT Lab to ensure quality at every stage of Forging.

Vision

With exposure to the rapidly changing market, we keep updating ourselves with all available technologies possible, like Ring rolling machine with 3 mtr Dia and 800 mm Height is at the advance stage of installation to produce about 500 MT per month.

We very well understand that the productivity of an industry suffers due to deficiency in quality and untimely supply of the ordered material. We feel proud to state that we have a team of trained, quality cautious personnel's to maintain quality and time bound delivery schedule as per the specific requirement of the customer. Our quality assurance Department draws up the required quality plans for all forgings to be checked at every stage as each. Forging is tailor-made to meet the necessary requirements of our valued customer.

Process Flow Chart



Infrastructure



Furnace

Oil Fired Bogie Type Furnace Upto 1400°C – Size 2.5 x 2.5 x 10.5mtr.
With Multi-zones Temperature Measurements.

Oil Fired Bogie Type Furnace Upto 1400°C – Size 2.5 x 2.5 x 6.5mtr.
With Multi-zone Temperature Measurements.

Forging Press

Hydraulic Press of 1500 Ton with Manipulator 10 Ton Meter, having capacity to take single Job upto 15 Ton.

Prakash Yantra Udyog is setting up another Hydraulically Operated Open Die Forging Press having a capacity of 6000 T by the end of this Year, enabling us to take up single Job up to 50 T weight.



Ring Rolling

Ring rolling machine with 3 mtr Dia and 800 mm Height to produce about 500 MT per month.





Heat Treatment

Oil Fired Bogie Type Furnace Upto 1200°C – Size 4 x 2.5 x 9 mtr.
With Multi-zone Temperature Measurements

Oil Fired Bogie Type Furnace Upto 1200°C – Size 2 x 2 x 7 mtr.
With Multi-zone Temperature Measurements

Water And Polymer Quenching Tank
(2.5 x 3.5 x 9 Meters)



Machine

VERTICAL BORING MACHINE (With Hydro Copying Attachment)

Size and Capacity: Max. Φ 5000 mm
Max. Height 3000 mm

Quantity: 2 Nos.

HORIZONTAL BORING MACHINE (Floor Type)

Size and Capacity: Spindle Φ 160 mm
L.T 8000 mm
V.T 1650 mm

Floor Plate Size: 7000 mm x 4000 mm

Quantity: 6 Nos.

LATHE MACHINE

Size and Capacity: Max. Swing Φ 1500 mm
Between Center 10000 mm

Quantity: 10 Nos.

PLANO MILLER

Size and Capacity: Width 4000 mm
Length 11000 mm
Height 3000 mm

Quantity: 2 Nos.



Lab - (Testing)

Our In – House facilities include fully equipped Chemical, Physical and NDT Lab to ensure quality at every stage of Forging.

DIGITAL UNIVERSAL TESTING MACHINE

ULTRASONIC FLAW DETECTOR

IMPACT TESTING MACHINE

OPTICAL BRINELL HARDNESS TESTING MACHINE

DEWINTER TRINOCULAR INVERTED METALLURGICAL MICROSCOPE

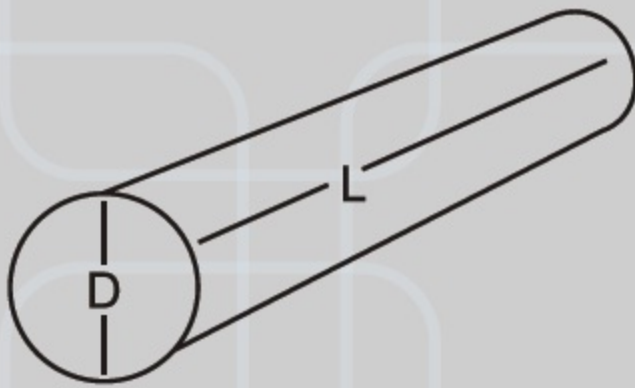
DOUBLE DISC POLISHING MACHINE

PROFILE PROJECTOR

MAGNETIC PARTICAL TESTING MACHINE

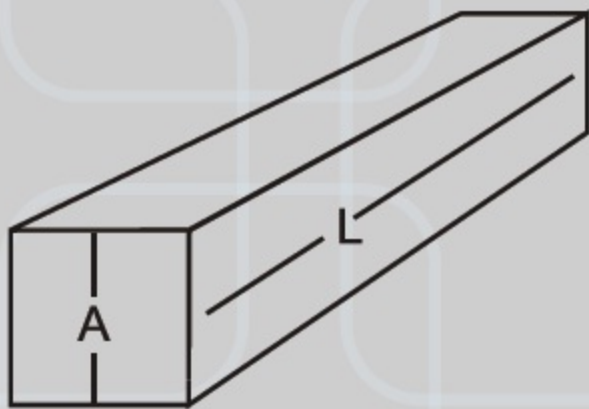
D.P. TEST KIT.

Products



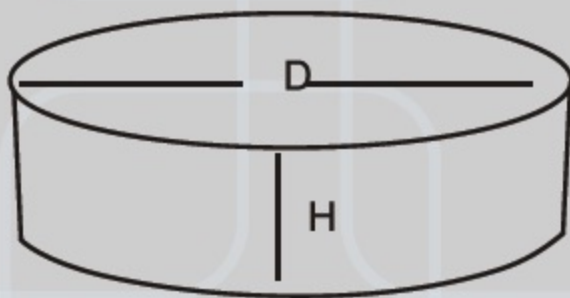
ROUND SHAFTS/ROLLS

UPTO ϕ 800mm
UPTO LENGTH 10000 mm.
UPTO WEIGHT 15 Ton.



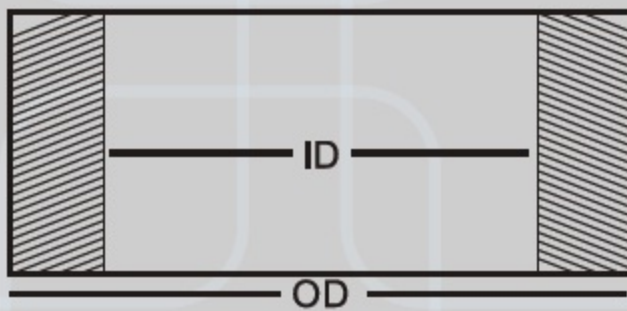
SQUARE/RECTANGULAR SHAFTS

UPTO SQ. 800 mm
UPTO LENGTH 8000 mm
UPTO WEIGHT 15 Ton.



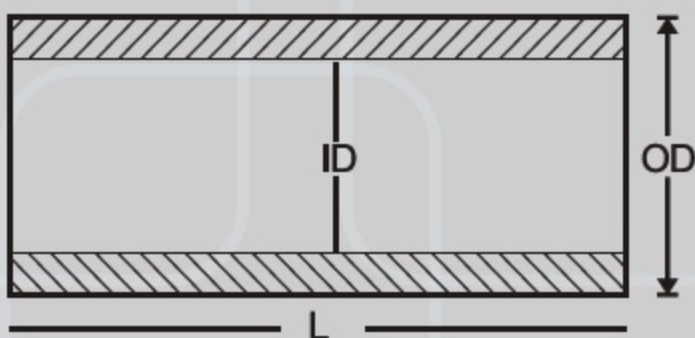
GEAR/BLANKS/SOLID CRANE WHEELS

UPTO ϕ 1000 mm
WEIGHT 5000 Kgs.



RINGS

UPTO ϕ 3000 mm
WEIGHT 5000 Kgs.



HOLLOW SHAFT

UPTO ϕ 800 mm OD
UPTO ϕ 400 mm ID
Length 8000 Meters
Forging Weight 15 Ton

Industries We Serve



STEEL



SUGAR



POWER



POWER & TURBINE



CEMENT



HYDRO



SHIPYARD



COAL MILL/ CEMENT

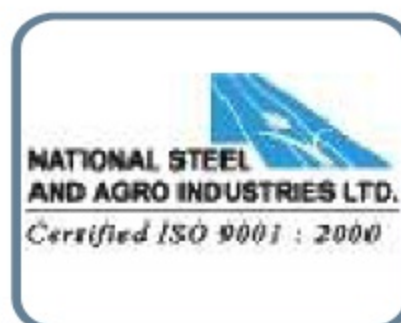
Products Snapshots

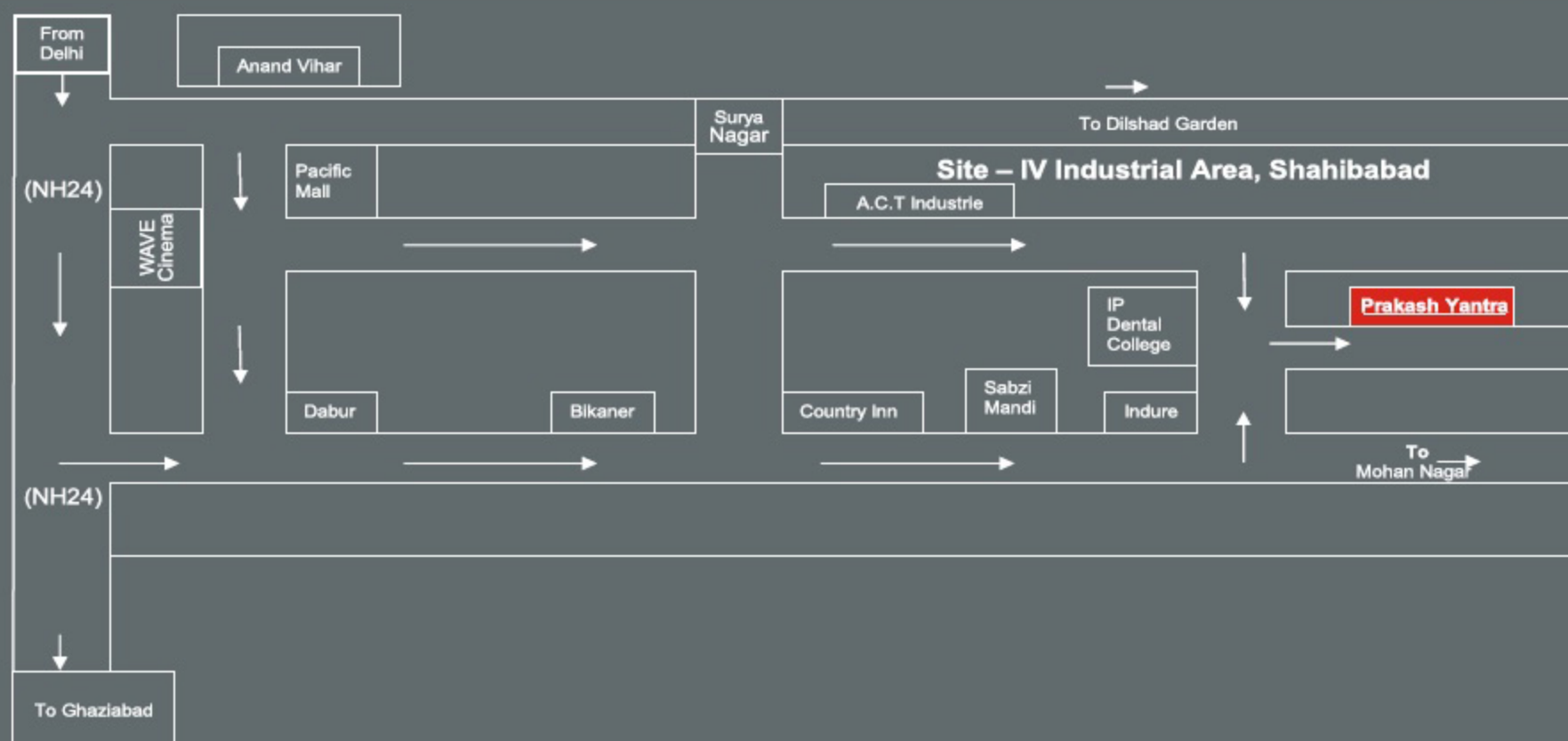


Third Party Inspections



Our Prestigious Clients





PRAKASH YANTRA UDYOG PVT. LTD.

[Heavy Forged Division An ISO 9001-2008 Company]

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