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## Guide to Solution for Fabrication Equipment's in Transmission Tower Fabricating Industries

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# Introduction

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Press Well Hydraulic was established in 1994 in the Rajkot, Gujarat as a small level hydraulic press industrialist with a stimulus of a Girish Rathod along with a joint effort of his brothers. Company started with a small capacity hydraulic press under the brand name BULL after getting a success under the press for the diamond industry company started manufacturing press for the gold jewelry industries and later own company started manufacturing press for the transmission tower industries which is now a central target of the company and jewelry machine are being developed in a sister concern unit named Profi Tech Manufacturer. Along with company also manufacturers a Special purpose hydraulic press as per customer requirement. Later machine for the Auto Sectors are also developed under and added to the hydraulic solution providing products. Along with company is also in the business of Air Ventilation Product under the brand Aerial.



With the dint of hard-work & our efforts we have been pioneered in field of Press. Along with the fast tempo of society and technology innovation, our products have been upgraded from first set of semi -automatic press to fully automatic Hydraulic Press. Now a days we have been ventured into latest trend of technology i.e. Programmable Logic Controller (PLC) and Computer Numerical Control (CNC) operated machine.



# Integration to excellence

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## **Machining Work**

All area that requires machining is done in accordance with quality standard. Precision machining work provides our customers the foundation to an extremely parallel press.

## **Hydraulic System**

Our hydraulic system is created through logic valve technology to decrease piping and flange mounted to provide a non – leakage environment. All motor, pump and pipes are firmly secured according to our working standard to prevent vibration and to get a long accuracy.

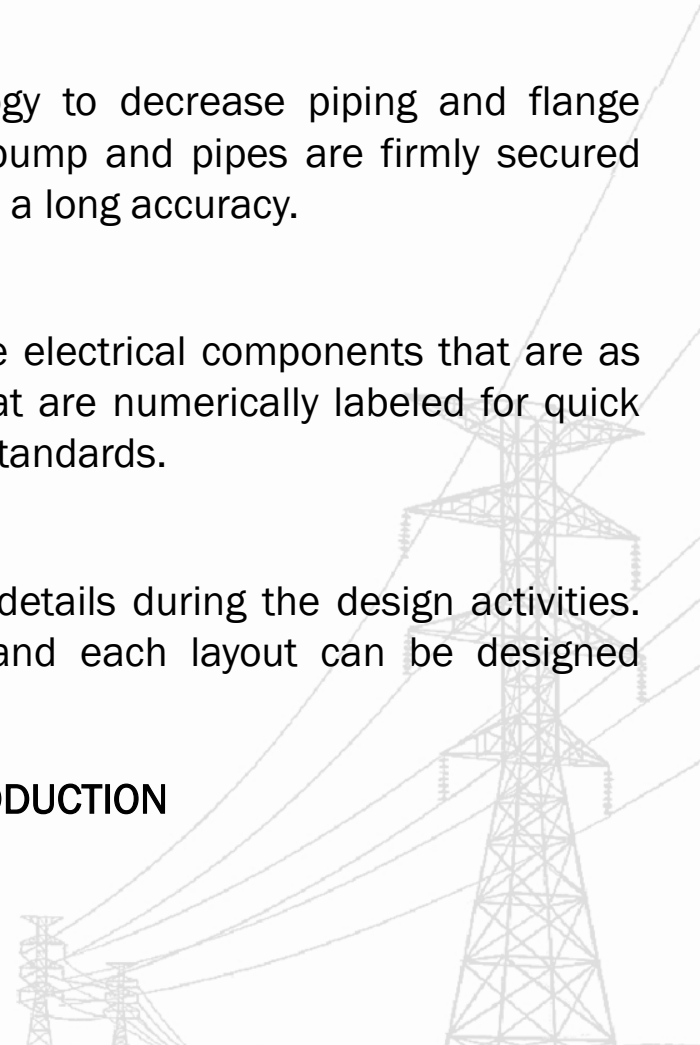
## **Electrical System**

The cabinet is an oil/water tight design to house tale technique electrical components that are as per the standard to ensure highest quality with connections that are numerically labeled for quick servicing. All components and electrical work meets the quality standards.

## **Safety**

Press Well Hydraulics takes care of the ergonomic and safety details during the design activities. The machines comply with the standard safety regulations and each layout can be designed suggesting to the customer the most functional and safe criteria.

**SAFETY DOES NOT MEAN LOST IN PRODUCTION**

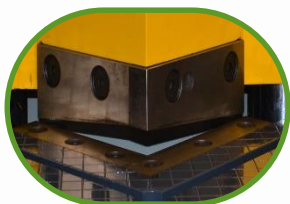




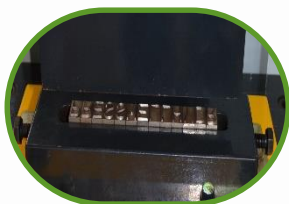
# Available Solutions

Press well gives a wide range of machine for the solution of angle and flat line; these opportunity to not only process angle and flats! We offer various machine for the following operations:

## CONVENTIONAL MACHINES



NOTCHING



STAMPING



PUNCHING



CROPPING

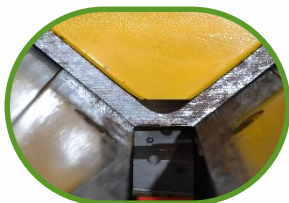


BENDING

## MACHINE WITH AUTOMATION



CUT TO LENGTH



HEEL MILLING



HOLE AFTER BEND

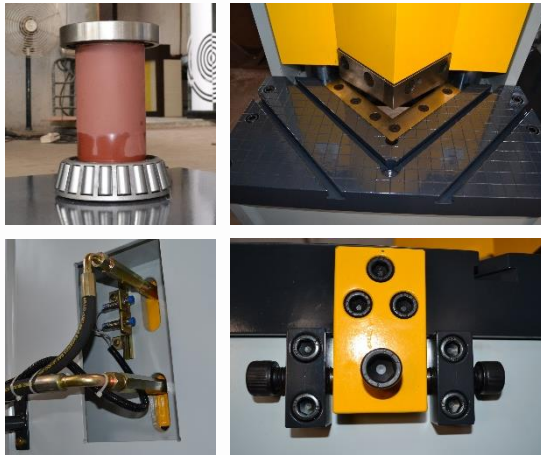


DRILLING



# Notching Machine

Life time Maintenance  
free Revolving  
Guarantee



There are 2 different models of Notching Machine - NM80 (80 Tons) & NM 100 (100 Tons).

- 80 Ton comes with a blade size of 200 mm which can cut up to 190 mm and 16 mm Thickness.
- 100 Ton comes with a blade size of 300 mm which can cut up to 290 mm and 16 mm Thickness.

Machine body revolves in both the direction, and arrangement are such it can rotate free life time.



# Stamping Machine



- There are 2 different model in Stamping Machine 100 Tons and 150 Tons.
- Machine also comes in 2 different body options C Frame and H (Fix) Frame.
- It can mark a character of 1 mm depth.
- Character Size 16 x 20 mm





# Punching Machine



- Small compact model easy to move for the punching diameter 20 mm in 16 mm thickness.
- Can develop the model as per customer required Punch Diameter and Thickness.
- Standard size: 16 x 20, and 16 x 26.



# Angle Cropping Machine



- Machine comes in 2 different capacity of 130 x 130 x 12 mm and 150 x 150 x 16 mm.
- Machine Cut (Shear) the angle in single cut without any wastage.





# Vertical Bending Machine



- Vertical Hydraulic press (Angle Bending Machine) is a regular hydraulic press with 2 types of body structure C frame and H (Fix) Frame and with a special arrangement of dies fitting.
- Standard model comes with different tonnage i.e. 150, 200, 250 and 300 Ton.
- Above it machine can be customised as per the customer requirement with the required size and tonnage capacity.



# Horizontal Bending Machine

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- Horizontal Hydraulic Press is a specially designed for big size heavy angle bending, it helps in easy movement of angle for feeding in the machine.
- Standard model comes with different tonnage i.e. 150, 200, 250 and 300 Ton.
- Above it machine can be customised as per the customer requirement with the required size and tonnage capacity.



# 2 in 1 Bending Machine



- 2 in 1 bending machine is a specially developed by us for the smooth wrinkle free bending of angle in the transmission industries.
- There are 2 Cylinders in the machine Horizontal and Vertical where Horizontal Cylinder Bends the angle and Vertical Cylinder Holds it to prevent from Wrinkle.
- Standard model comes with different tonnage H150 x V75, H200 x V100 and H250 x V150, Ton.





# Cut to Length Machine



- These machine helps to cut (shears) the material in specified length.
- Automatic machine; runs through PLC.
- Can also cut the material in required desired degree.
- Easy to program by just entering the length and degree of the piece to cut.
- Can hold the plate of 3 meter and cut ms plate of 500 mm width and 16 mm thickness.



# Angle Heel Milling



- Good Finishing with a High-Speed Milling Cutter Rotation.
- Can remove the 14 mm depth and 28 mm width of the heel of an angle in a single cut.
- Easy and Quick Angle Feeding with Hydraulic auto clamping System.
- PLC Operated with large HMI touch screen.
- Cutter Head Travel Speed Controllable with a Servo Drive & variable cutting speed through AC Drive
- Auto Chips collector Box (prevents time in chips cleaning).





# Hole After Bending Machine



- Specially Designed to Punch the Hole easily in Angle after Bend.
- To easily punch the hole at the perfect degree and position; machine body tilt for the  $45^\circ$  in both the side Left and Right.
- Has a special rotating arrangement which helps to punch on both the sides of angle.
- Standard model comes with 20 mm Punch Diameter and 16 mm plate Thickness.
- Punching capacity can be customised as per the customer requirement.



# Plate Drilling Machine



- Highspeed Plate Drilling Machine with an Carbide Drilling Tools.
- Can drill hole up to 40 mm in diameter and 100 mm in Thickness.
- Easy to program by just entering X and Y data.
- Dual operation mode in 500 x 700 mm plate size drilling.



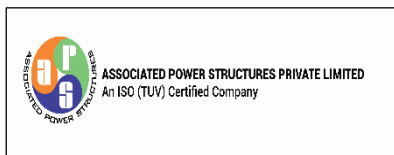
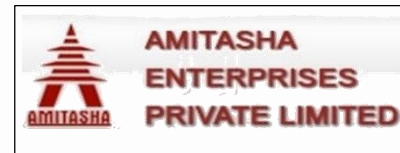
# Other products





# Some of Valuable Clients

## DOMESTIC



## INTERNATIONAL







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