

# Hydraulic Ironworker Machines ????? ?????



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**Description** The Hydraulic Ironworker Machines adopt hydraulic transmission. It is the latest product of the domestic multi-functional combined punching and shearing machine. It can cut, punch, die cut flat steel, square steel, round steel, angle steel, channel steel, and I-beam. Equipped with a shear stop device. It is a machine tool that integrates multiple functions such as metal shearing, punching, plate shearing, bending, etc. It has the advantages of simple operation, low energy consumption, and low maintenance cost.

**Features:**

- 1. Robust and accurate steel frame
- 2. Large punch table with scales
- 3. Removable bolster for punching flanges and channel and beam
- 4. 2 independent hydraulic cylinders
- 5. 2 shielded foot controls
- 6. 2 Separate Die Openings for oversized punching
- 7. 5 working stations for wide applications
- 8. power inching on all 5 workstations
- 9. plate shear support table and notching table
- 10. adjustable stroke controls with indicators on both cylinders
- 11. punching machine: Movable work light
- 12. overload protection on the hydraulic system
- 13. electric back gauge
- 14. optional bending attachment

## SPECIFICATIONS

| Item         |           | Unit  | 45    | 60    | 90 |
|--------------|-----------|-------|-------|-------|----|
| Stroke Times | Times/min | 8--22 | 8--22 | 8--22 |    |

|                            |                                   |        |               |               |               |
|----------------------------|-----------------------------------|--------|---------------|---------------|---------------|
| Hole Punching              | Punching Pressure                 | kn     | 45            | 60            | 90            |
|                            | Max. Punching Thickness           | mm     | 15            | 16            | 20            |
|                            | Max. Diameter of punching         | mm     | 28            | 25            | 30            |
|                            | Depth of Throat                   | mm     | 220           | 300           | 355           |
|                            | Max Length of Cylinder Stroke     | mm     | 55            | 80            | 80            |
| Flat-Bar Shearing          | Angel of Shear                    | Degree | 7°            | 7°            | 8°            |
|                            | Max. Shearing Thickness           | mm     | 16            | 16            | 20            |
|                            | Flat Bar (WxT)                    | mm     | 200x15        | 400x8         | 480x10        |
|                            |                                   |        |               | 250x16        | 330x20        |
| Angel Steel Shearing       | 90° Shearing of equal Angel Steel | mm     | 120x120x12    | 120x120x10    | 140x140x12    |
|                            | 45° Shearing of equal Angel Steel | mm     | 70x70x6       | 70x70x8       | 70x70x10      |
| Profile Steel Shearing     | Round-Bar                         | mm     | 40            | 45            | 50            |
|                            | Square-Bar                        | mm     | 35x35         | 40x40         | 45x45         |
|                            | T-Bar                             | mm     | 100x50x12     | 120x60x12     | 140x70x12     |
|                            | I-Beam                            | mm     | 100x55x4      | 126x74x5      | 160x86x6      |
|                            | C-Channel                         | mm     | 100           | 126x53x5.5    | 160x60x6.5    |
| Notching                   | Thickness                         | mm     | 10            | 10            | 13            |
|                            | Width                             | mm     | 45            | 57            | 57            |
|                            | Depth                             | mm     | 90            | 100           | 100           |
| Material Tensile Strength  |                                   | N/mm²  | 450           | 450           | 450           |
| Power Motor                |                                   | Kw     | 4             | 4             | 5.5           |
| Overall Dimensions (LxWxH) |                                   | mm     | 1550x800x1700 | 1650x800x1780 | 1950X900X1930 |
| Gross Weight               |                                   | Kg     | 1450          | 1800          | 2600          |