



# H FRAME PRESS WITH PNEUMATIC CLUTCH

## Standard Equipment

- Pneumatic Dry Clutch
- Electric Control Panel
- Inching Stroke, Single Stroke & Auto Stroke
- Emergent Switch
- Front Two Both Hand Operating Panal
- Foot Switch
- Production Counter
- Lubrication Pump

## Optional Equipment

- Automatic Lubrication Pump
- Pneumatic Die Cushion
- Photo Safety Curtain
- Variable Speed
- Anti – Vibration Mounts
- Extra Base Plate

## Frame Construction

H Frame Pneumatic Press fabricated from IS-2062 graded rolled steel plates. Frame is deeply reinforced and fines machines after stress relieving. The interlocked design put the direct support to frame. This frame is strain free and eliminates welds at load supports. Thus the accuracy of the machine is never disturbed.

## Table & Slide (RAM)

Table and Slide are made of high grade heavy duty cast iron and properly seasoned. They are perfectly aligned, to each other to obtain high accuracy and precession press operation.

## Main & Pinion Shaft

Shaft is made of special alloy steel machined to close accuracy and fitted in bronze bushes for smooth working, longer life and accuracy. Gears: Gears are of steel cast or fabricated. Gear teeth are generated by precision hobbing machine.

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## Flywheel

Properly sized flywheel is made of high grade cast iron, for storing and releasing adequate energy for the cutting operations, and properly balanced for smooth running.

## High Quality Crank Shaft

The strong crank shaft with outstanding rigidity ensures that accuracy can be maintained under qualified standard and extends the life of tooling. Auto Lubrication System: The auto lubrication system with default monitor ensures high reliable operation.

## Auto Lubrication System (Optional)

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## Pneumatic Dry Clutch

The fail-safe, pneumatically operated clutch brake combination is designed to provide excellent slide motion control even at high speeds. Adequate energy required for blanking operation is ensured by optimised design of the flywheel

## Specifications For H Frame Press with Pneumatic Clutch

| Specifications              |  | 30Tons             | 50Tons   | 80Tons   | 100Tons    | 150Tons   | 200Tons   | 250Tons   | 300Tons   | 400Tons   | 500Tons   |     |
|-----------------------------|--|--------------------|----------|----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|
| Bed Size LRxFB              | mm                                     | 440×440            | 445×511  | 475×536  | 580×655    | 642×715   | 680×800   | 900×900   | 925×950   | 950×1000  | 1000×1100 |     |
| No. Of Strokes Per Min      | SPM                                    | 50                 | 45       | 40       | 40         | 35        | 35        | 30        | 30        | 28        | 28        |     |
| Stroke Length Adjustable    | mm                                     | 8-76               | 8-88     | 8-102    | 8-114      | 10-127    | 20-135    | 20-152    | 20-175    | 200Fix    | 200Fix    |     |
| Daylight from Bottom Bed    | mm                                     | 291                | 295      | 317      | 415        | 483       | 520       | 550       | 600       | 650       | 700       |     |
| Shut Height from Bottom Bed | mm                                     | 215                | 207      | 215      | 301        | 356       | 385       | 398       | 425       | 450       | 500       |     |
| Slide Adjustment            | mm                                     | 25                 | 28       | 30       | 35         | 35        | 40        | 45        | 50        | 50        | 65        |     |
| Bolster Thickness           | mm                                     | 75                 | 68       | 72       | 75         | 96        | 102       | 102       | 110       | 120       | 120       |     |
| Bed Opening                 | mm                                     | 100                | 100      | 125      | 150        | 150       | 175       | 175       | 200       | 200       | 200       |     |
| Gear Dia                    | mm                                     | 610                | 678      | 796      | 873        | 1041      | 1168      | 1270      | 1350      | 1400      | 1475      |     |
| Fly Wheel Dia               | mm                                     | 610                | 762      | 864      | 965        | 991       | 1016      | 1270      | 1325      | 1350      | 1450      |     |
| Shank Hole Dia              | mm                                     | 31                 | 31       | 37       | 44         | 51        | 57        | 67        | 67        | 75        | 75        |     |
| Floor to Top of Bed         | mm                                     | 762                | 725      | 740      | 751        | 775       | 762       | 813       | 850       | 850       | 850       |     |
| Motor Power Required        | H.P.                                   | 3 / 1440           | 3 / 1440 | 5 / 1440 | 7.5 / 1440 | 10 / 1440 | 15 / 1440 | 20 / 1440 | 25 / 1440 | 40 / 1440 | 50 / 1440 |     |
| Required Air Pressure       | kg/cm <sup>2</sup>                     | 5.5                | 5.5      | 5.5      | 5.5        | 5.5       | 5.5       | 5.5       | 5.5       | 5.5       | 5.5       |     |
| Die Cushions                | Capacity                               | Tons               | 3        | 5        | 8          | 10        | 15        | 20        | 25        | 30        | 40        | 50  |
|                             | Stroke Length                          | mm                 | 45       | 50       | 60         | 65        | 80        | 90        | 100       | 110       | 120       | 130 |
|                             | Req.Air Pressure (Kg/Cm <sup>2</sup> ) | kg/cm <sup>2</sup> | 7        | 7        | 7          | 7         | 7         | 7         | 7         | 7         | 7         | 7   |

