Rajesh®

Manufacturer of **Sheet Metal Machineries**

s h a p i n g  i d e a s

www.rajeshmachines.com

# The Introduction

**RAJESH MACHINES (INDIA) LLP** is an emerging global leader in sheet metal machinery sector. With more than 30 years in singularly focussed business, we can proudly say that we have the expertise and the experience to meet our bold vision of industry leadership by 2031.

Operating from Rajkot, the machine tools hub of India, we have now expanded our boundaries to meet pan India and international markets' demands for the ever growing sheet metal industry. Consistent market driven innovation has empowered us to develop more than 30 varieties of high performing sheet metal machines of global standards.

Today the group is in the process of setting up the largest sheet metal machine manufacturing facility in India to meet our vision 2031.

## Core Purpose

To ensure total success of our customers and help them achieve exponential growth by providing innovative solutions.

## Core Value

- **Team Work**
- **Excellence**
- **Commitment**
- **Integrity**
- **Customer Satisfaction**

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# RP-Bend

## Hydraulic NC Press Brake

## Standard Equipment

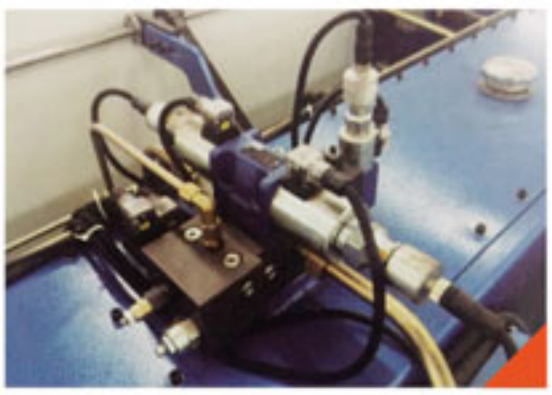
- Front Cylinder Mounted Design
- Powered Depth Y-axis & Back gauge X-axis
- Servo motor controlled back gauge
- HIWIN Ball screws & Polished rod with 0.01 mm accuracy
- Plate Support Arms
- Germany Bosch-Rexroth Hydraulic
- Germany EMB Tubing connector
- Germany Siemens Main Motor
- Telemecanique/Schneider Electrics
- Hydraulic & Electrical overload protection
- Top and Bottom Tooling(86°,R0.6mm)
- Electronic Foot Switch

## Safety Equipment

- Safety Standards(2006/42/EC)
- Front finger Protection(Safety light curtain)
- Back metal safe fence with CE standards
- Safety relay with Monitor the pedal switch & safety protection

Manual Crowning system homogenizes bending (Optional)

Y-axis Depth Adjust Servo Motor



Germany Bosch Rexroth with Safety valve

Schneider Electrics with Servo Motor

Linear Guide with Fingers

## Estun E200P

- LCD Display,240×128
- A multi-step programming to run automatically positioning in a row
- Automatic way to avoid the back gauge with the expected work pieces interference
- One-way location, elimination of screw drive space
- Duke/British system is available
- Automatic compensation of the location
- Adequate storage space for processing procedures
- Memory function of power off action

## Delem DA41 (Optional)

- Using servo control technology
- 4.7"high bright liquid crystal display screen with multi-nation language interface
- Die parameter setting, bending angle programming
- About 100 programs are stored, and there are 25 operations in each program
- The escaped material is programmable, the processing quantity is accountable, there is memory to power off, and conversion between metric system

# RP-Bend

## Hydraulic NC Press Brake

RAJ POWER™

### Technical Parameters

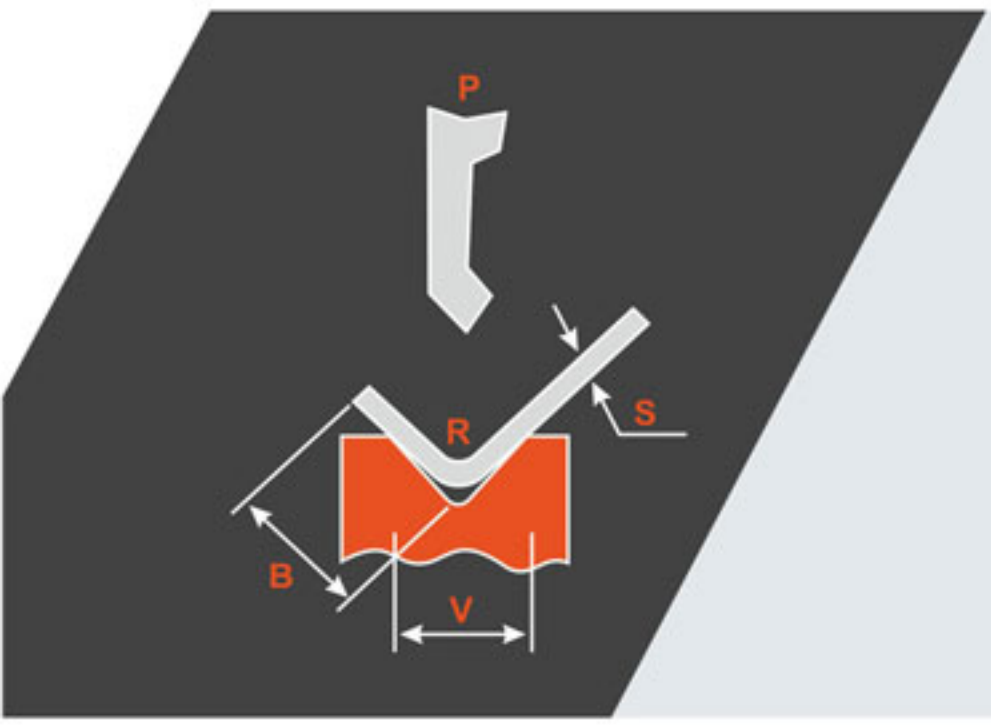
| Model | Normal Pressure KN | Work table length mm | Distance between pillar mm | Depth of throat mm | Stroke mm | Day light mm | Main power KW | Weight KW | Overall dimension mm |
|---|---|---|---|---|---|---|---|---|---|
| RP Bend-40T/1600 | 400 | 1600 | 1150 | 230 | 100 | 320 | 5.5 | 2750 | 2200×1200×1910 |
| RP Bend-40T/2500 | 400 | 2500 | 1850 | 230 | 100 | 320 | 5.5 | 3000 | 2500×1200×1910 |
| RP Bend-50T/2500 | 500 | 2500 | 1850 | 230 | 100 | 320 | 5.5 | 3400 | 2500×1210×2000 |
| RP Bend-63T/2500 | 630 | 2500 | 1900 | 250 | 100 | 320 | 5.5 | 4000 | 2500×1210×2210 |
| RP Bend-63T/3200 | 630 | 3200 | 2560 | 250 | 100 | 320 | 5.5 | 4800 | 3200×1300×2210 |
| RP Bend-80T/2500 | 630 | 3200 | 2560 | 250 | 100 | 320 | 5.5 | 4800 | 3200×1300×2210 |
| RP Bend-80T/3200 | 800 | 3200 | 2560 | 320 | 100 | 350 | 7.5 | 6020 | 3200×1500×2300 |
| RP Bend-80T/4000 | 800 | 4000 | 3000 | 320 | 100 | 350 | 7.5 | 7000 | 4000×1500×2400 |
| RP Bend-100T/2500 | 1000 | 2500 | 2020 | 320 | 120/150 | 320/350 | 7.5/11 | 6000 | 2500×1600×2400 |
| RP Bend-100T/3200 | 1000 | 3200 | 2600 | 320 | 120/150 | 370/400 | 7.5/11 | 6800 | 3200×1600×2600 |
| RP Bend-100T/4000 | 1000 | 4000 | 3000 | 320 | 120/150 | 370/400 | 7.5/11 | 8400 | 4000×1600×2700 |
| RP Bend-125T/3200 | 1250 | 3200 | 2580 | 320 | 120/150 | 370/400 | 7.5/11 | 7200 | 3200×1600×2600 |
| RP Bend-125T/4000 | 1250 | 4000 | 3000 | 320 | 120/150 | 370/400 | 7.5/11 | 8800 | 4000×1600×2700 |
| RP Bend-160T/3200 | 1600 | 3200 | 2600 | 320 | 200 | 460 | 11 | 10500 | 3200×1700×2700 |
| RP Bend-160T/4000 | 1600 | 4000 | 3000 | 320 | 200 | 460 | 11 | 11500 | 4000×1700×2800 |
| RP Bend-160T/5000 | 1600 | 5000 | 4000 | 320 | 200 | 460 | 11 | 14000 | 5000×1900×3100 |
| RP Bend-160T/6000 | 1600 | 6000 | 5000 | 320 | 200 | 460 | 11 | 19500 | 6300×1900×3200 |
| RP Bend-200T/2500 | 2000 | 2500 | 2050 | 320 | 200 | 460 | 11 | 10250 | 2650×1900×3200 |
| RP Bend-200T/3200 | 2000 | 3200 | 2500 | 320 | 200 | 460 | 11 | 12500 | 3200×1950×2800 |
| RP Bend-200T/4000 | 2000 | 4000 | 3000 | 320 | 200 | 460 | 11 | 13600 | 4000×1950×2800 |
| RP Bend-200T/5000 | 2000 | 5000 | 4000 | 320 | 200 | 460 | 11 | 14500 | 5000×1950×3100 |
| RP Bend-200T/6000 | 2000 | 6000 | 5000 | 320 | 200 | 460 | 11 | 21000 | 6000×1950×3300 |
| RP Bend-250T/3200 | 2500 | 3200 | 2500 | 400 | 250 | 590 | 18.5 | 19000 | 3250×2000×3200 |
| RP Bend-250T/4000 | 2500 | 4000 | 3000 | 400 | 250 | 590 | 18.5 | 20200 | 4000×2000×3400 |
| RP Bend-250T/5000 | 2500 | 5000 | 4000 | 400 | 250 | 590 | 18.5 | 23500 | 5000×2000×3400 |
| RP Bend-250T/6000 | 2500 | 6000 | 5000 | 400 | 250 | 590 | 18.5 | 27500 | 6000×2000×3400 |
| RP Bend-300T/3200 | 3000 | 3200 | 2530 | 400 | 250 | 590 | 22 | 20500 | 3200×2000×3450 |
| RP Bend-300T/4000 | 3000 | 4000 | 3000 | 400 | 250 | 590 | 22 | 22500 | 4000×2000×3450 |
| RP Bend-300T/5000 | 3000 | 5000 | 4000 | 400 | 250 | 590 | 22 | 25000 | 5000×2000×3450 |
| RP Bend-300T/6000 | 3000 | 6000 | 5000 | 400 | 250 | 590 | 22 | 30000 | 6000×2000×3450 |

* All dimensions are in mm

# Force Chart For Press Brake

| | V | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 24 | 28 | 32 | 36 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 80 | 90 | 100 | 120 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | B | 2.8 | 4 | 5.5 | 7 | 8.5 | 10 | 11 | 12.5 | 14 | 17 | 20 | 22 | 25 | 28 | 31 | 35 | 38 | 42 | 46 | 49 | 56 | 63 | 70 | 85 |
| | R | 0.7 | 1 | 1.3 | 1.6 | 2 | 2.3 | 2.6 | 3 | 3.3 | 3.8 | 4.5 | 5 | 6 | 6.5 | 7 | 8 | 9 | 10 | 10.5 | 11 | 16 | 14 | 16 | 19 |
| S | 0.5 | 40 | 30 | | | | | | | | | | | | | | | | | | | | | | |
| | 0.6 | 60 | 40 | 30 | 30 | | | | | | | | | | | | | | | | | | | | |
| | 0.8 | | 70 | 50 | 40 | 30 | | | | | | | | | | | | | | | | | | | |
| | 1 | | 110 | 80 | 70 | 60 | | | | | | | | | | | | | | | | | | | |
| | 1.2 | | | 120 | 100 | 80 | 70 | 60 | | | | | | | | | | | | | | | | | |
| | 1.5 | | | | 150 | 120 | 110 | 90 | 80 | | | | | | | | | | | | | | | | |
| | 2 | | | | | 220 | 190 | 170 | 150 | 130 | 110 | | | | | | | | | | | | | | |
| | 2.5 | | | | | | | 250 | 220 | 200 | 170 | 150 | 130 | | | | | | | | | | | | |
| | 3 | | | | | | | | 330 | 290 | 250 | 210 | 180 | 160 | | | | | | | | | | | |
| | 3.5 | | | | | | | | | 400 | 330 | 290 | 250 | 220 | 200 | 180 | | | | | | | | | |
| | 4 | | | | | | | | | | 440 | 370 | 330 | 290 | 260 | 230 | 210 | | | | | | | | |
| | 4.5 | | | | | | | | | | | 470 | 410 | 370 | 330 | 300 | 270 | 240 | | | | | | | |
| | 5 | | | | | | | | | | | | 510 | 450 | 400 | 360 | 330 | 300 | 270 | 250 | | | | | |
| | 6 | | | | | | | | | | | | | | | 520 | 470 | 430 | 390 | 60 | 340 | 300 | | | |
| | 8 | | | | | | | | | | | | | | | | | | 700 | 640 | 600 | 520 | 460 | 420 | |
| | 10 | | | | | | | | | | | | | | | | | | | | | 810 | 720 | 650 | |
| | 12 | | | | | | | | | | | | | | | | | | | | | | | 950 | 780 |
| | 14 | | | | | | | | | | | | | | | | | | | | | | | 1300 | 100 |

This chart Is calculated according to the plate of tensile strength of 45 Kg/mm² and length L=1m.




## Calculation Formula

- P=650S2L/V(*b=450N/mm2)
- P:Bending force(KN)
- S:The thickness of the plate(mm)
- L:The width of the plate(m)
- V:V-width of the bottom die(mm)

# RP-Bend CNC

Hydraulic CNC Press Brake

## Y1, Y2, X+R

AXIS POSSIBILITIES

### Standard Equipment

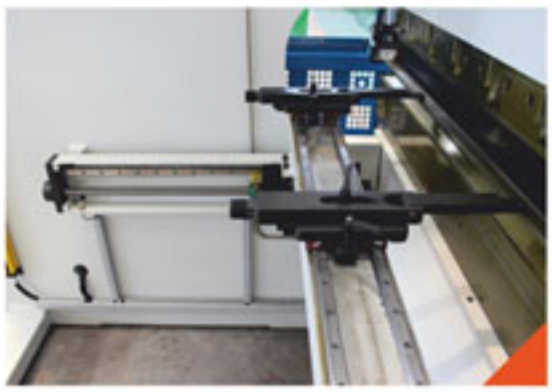
- Operating with Delem / Cybelec CNC System
- Back gauge on ball screws, stroke 500mm, precision with 0.01mm accuracy
- Anti-crowing system CNC control
- Quick change top tooling design
- Electro-hydraulic ram-table parallelism and depth stop setting
- Electronic Foot Switch control by CNC
- Front support arms
- Side and rear guard for safety compliance
- Standard tooling along with the machine

400mm Throat Depth

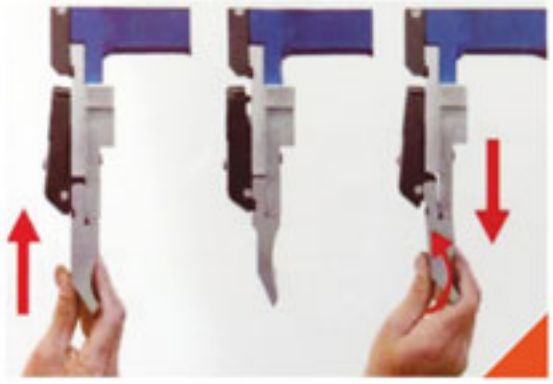
Confirmation with Laser Safe

European Type Sectioned Punch 835 mm, H=104,65 mm α=85º

Front sheet support

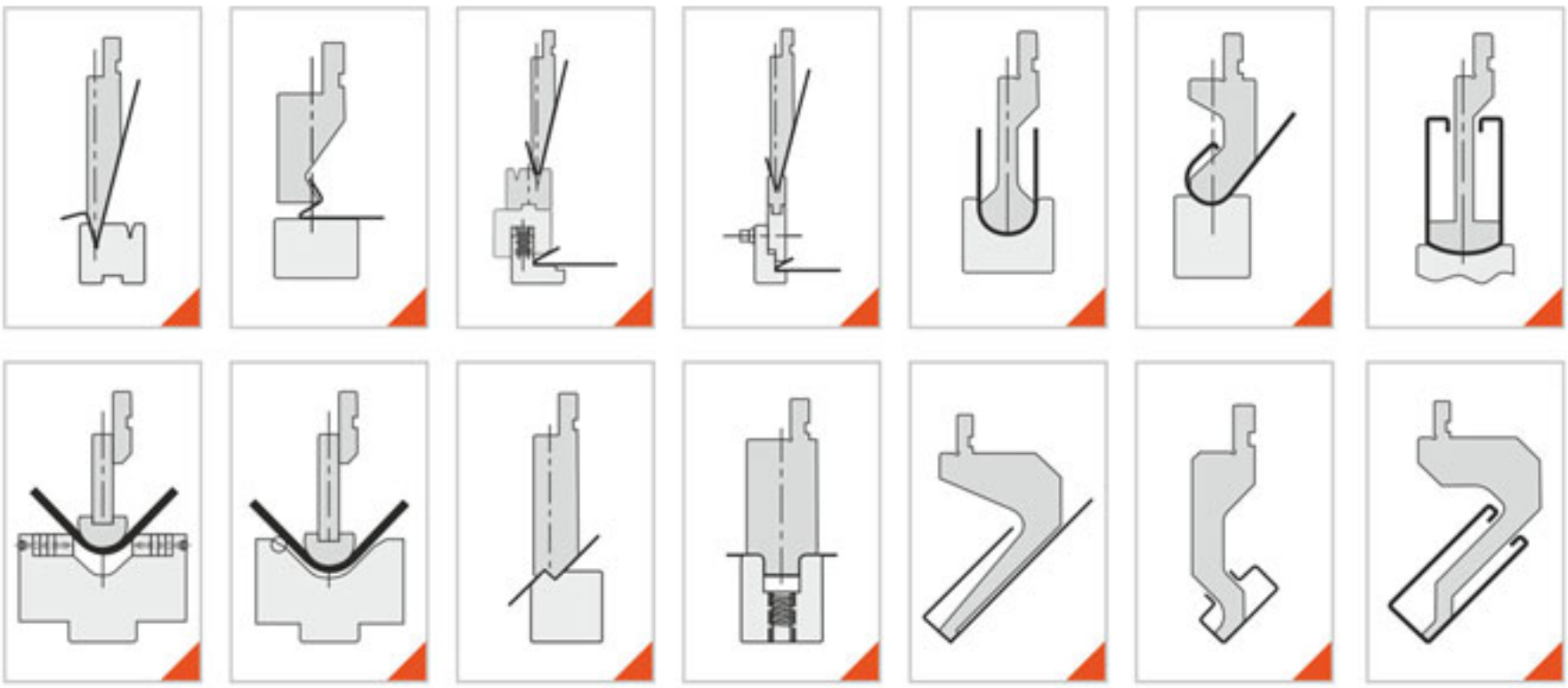


Back gauge and finger



European Type Sectioned 4V Die (15-22-35-50 mm) α=85º

## Tooling Drawing CNC



# RP-Bend CNC

Hydraulic CNC Press Brake

## Technical Parameters

| Model | Pressing Force KN | Working Length mm | Distance between Uprights mm | Stroke mm | Day light mm | Gap mm | Table Width mm | Approach Speed mm/sec | Working Speed mm/sec | Return Speed mm/sec | Motor KW | Volume of oil tank Ltrs | Length mm | Width mm | Height mm | Weight Kg |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RP Bend-80T/20 | 800 | 2000 | 1550 | 200 | 400 | 400 | 200 | 110 | 11 | 110 | 7.5 | 141 | 2100 | 1750 | 2900 | 5700 |
| RP Bend-80T/25 | 800 | 2500 | 2050 | 200 | 400 | 400 | 200 | 110 | 11 | 110 | 7.5 | 216 | 2600 | 1750 | 2900 | 6200 |
| RP Bend-80T/30 | 800 | 3050 | 2600 | 200 | 400 | 400 | 200 | 110 | 11 | 110 | 7.5 | 274 | 3500 | 1750 | 2900 | 6800 |
| RP Bend-100T/25 | 1000 | 2500 | 2050 | 200 | 400 | 400 | 200 | 110 | 11 | 110 | 11 | 216 | 2600 | 1750 | 2900 | 6500 |
| RP Bend-100T/30 | 1000 | 3050 | 2600 | 200 | 400 | 400 | 200 | 110 | 11 | 110 | 11 | 274 | 3500 | 1750 | 2900 | 7000 |
| RP Bend-100T/40 | 1000 | 4000 | 3150 | 200 | 400 | 400 | 200 | 110 | 11 | 110 | 11 | 274 | 4500 | 1750 | 2900 | 8000 |
| RP Bend-135T/30 | 1305 | 3050 | 2600 | 200 | 400 | 400 | 200 | 110 | 12 | 110 | 15 | 600 | 3500 | 1750 | 3100 | 10000 |
| RP Bend-135T/40 | 1305 | 4000 | 3150 | 200 | 400 | 400 | 200 | 100 | 12 | 110 | 15 | 600 | 4500 | 1750 | 3100 | 11000 |
| RP Bend-160T/30 | 1600 | 3050 | 2600 | 200 | 400 | 400 | 200 | 110 | 11 | 110 | 15 | 600 | 3500 | 1750 | 3100 | 10500 |
| RP Bend-160T/40 | 1600 | 4000 | 3150 | 200 | 400 | 400 | 200 | 110 | 11 | 110 | 15 | 600 | 4500 | 1750 | 3100 | 11500 |
| RP Bend-200T/30 | 2000 | 3050 | 2600 | 250 | 485 | 400 | 200 | 100 | 11 | 120 | 22 | 550 | 3500 | 1900 | 3200 | 12500 |
| RP Bend-200T/40 | 2000 | 4000 | 3150 | 250 | 485 | 400 | 200 | 100 | 11 | 120 | 22 | 600 | 4300 | 1900 | 3200 | 13000 |
| RP Bend-250T/30 | 2500 | 3050 | 2600 | 250 | 485 | 400 | 250 | 100 | 9 | 110 | 22 | 700 | 3500 | 2100 | 3500 | 15000 |
| RP Bend-250T/40 | 2500 | 4000 | 3150 | 250 | 485 | 400 | 250 | 100 | 9 | 110 | 22 | 700 | 4600 | 2100 | 3500 | 16500 |
| RP Bend-250T/60 | 2500 | 6000 | 5050 | 250 | 485 | 400 | 250 | 100 | 9 | 110 | 22 | 700 | 6600 | 2100 | 3500 | 26500 |
| RP Bend-300T/30 | 3000 | 3050 | 2600 | 250 | 485 | 400 | 250 | 100 | 9 | 110 | 30 | 890 | 3600 | 2200 | 3600 | 16500 |
| RP Bend-300T/40 | 3000 | 4000 | 3150 | 250 | 485 | 400 | 250 | 100 | 9 | 110 | 30 | 890 | 4600 | 2200 | 3600 | 18500 |
| RP Bend-300T/60 | 3000 | 6000 | 5050 | 250 | 485 | 400 | 250 | 100 | 9 | 110 | 30 | 890 | 6600 | 2200 | 3600 | 30500 |

* All dimensions are in mm

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# Delem

## CNC Controller

CNC controller digital display with full bending programming, 2D/3D Graphical control and many bending options. CNC controller using worlds known and trustable brand i.e. "Delem" as far as particularly Shearing and Press concerned.

### DA-41 Features

2 Axis application in
conventional press brake
LCD Display
Up to 100 programs
store 25 bend in particularly 1 programs

### DA-52 A Features

4 Axis (Y1,Y2 & 2 Auxiliary)
application in conventional
as well as synchronized press brake
Panel based controlling
6,4"VGA colour LCD display

### DA-56 Features

5 Axis(Y1,Y2,X1,X2 & R/Z)
application in economic press brake
10,4" LCD TFT color display
2D Graphical Programming
Length calculation

### DA-65W Features

10" TFT color display
Window based operating system
2D Graphical Programming &
3D visualization

### DA- 66W Features

12" TFT color display
Window based operating system
3D & 2D Graphical programming &
3D visualization
Emergency stop button

### DA-69W Features

12" TFT color display
Window based operating system
3D & 2D Graphical programming &
3D visualization
Automatic bends sequence calculation

DA-66T

DA-69T

17" high resolution colour TFT
2D graphical touch screen programming mode
3D visualisation in simulation and production
Delem Modusys compatibility (module scalability and adaptivity)
USB, peripheral interfacing
User specific application support within the controllers multitasking environment
Sensor bending & correction interface

# CYBELEC

INFRANOR GROUP COMPANY

### ModEva Pac

Large 15" color display
Intuitive touch screen interface
All press brakes applications

### ModEva 15T

Touch screen, flat and modern design
Comfortable and powerful
Direct import from most CAD/CAM systems

# RP-Cut

## Hydraulic Swing Beam Shear

## Standard Equipment

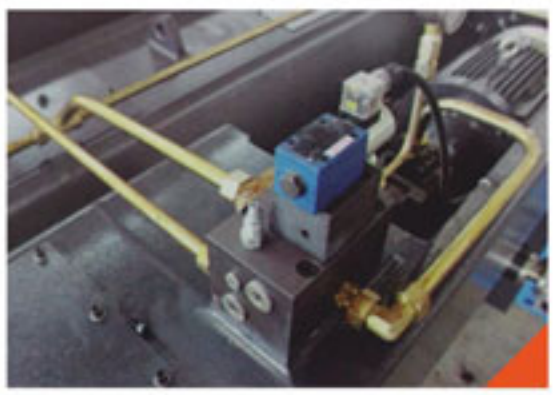
- HIWIN Ball screws & Polished rod with 0.05 mm accuracy
- Powered back gauge
- Germany Bosch-Rexroth Hydraulic
- Germany EMB Tubing connector
- Germany Siemens Main Motor
- Telemecanique / Schneider Electrics
- Cutting Line Illumination and wire for shadow line cutting
- Top blade with two cutting edges and bottom blade with four cutting edges.(6CrW2Si)
- Estun E21S NC control System

## Safety Equipment

- Safety Standards(2006/42/EC)
- Front finger Protection(Safety Light curtain)
- Foot switch with protection cover
- Back metal safe fence
- Safety relay with Monitor the pedal switch & safety protection

Rear safety guard

1000mm sliding front Arms and finger Protection system

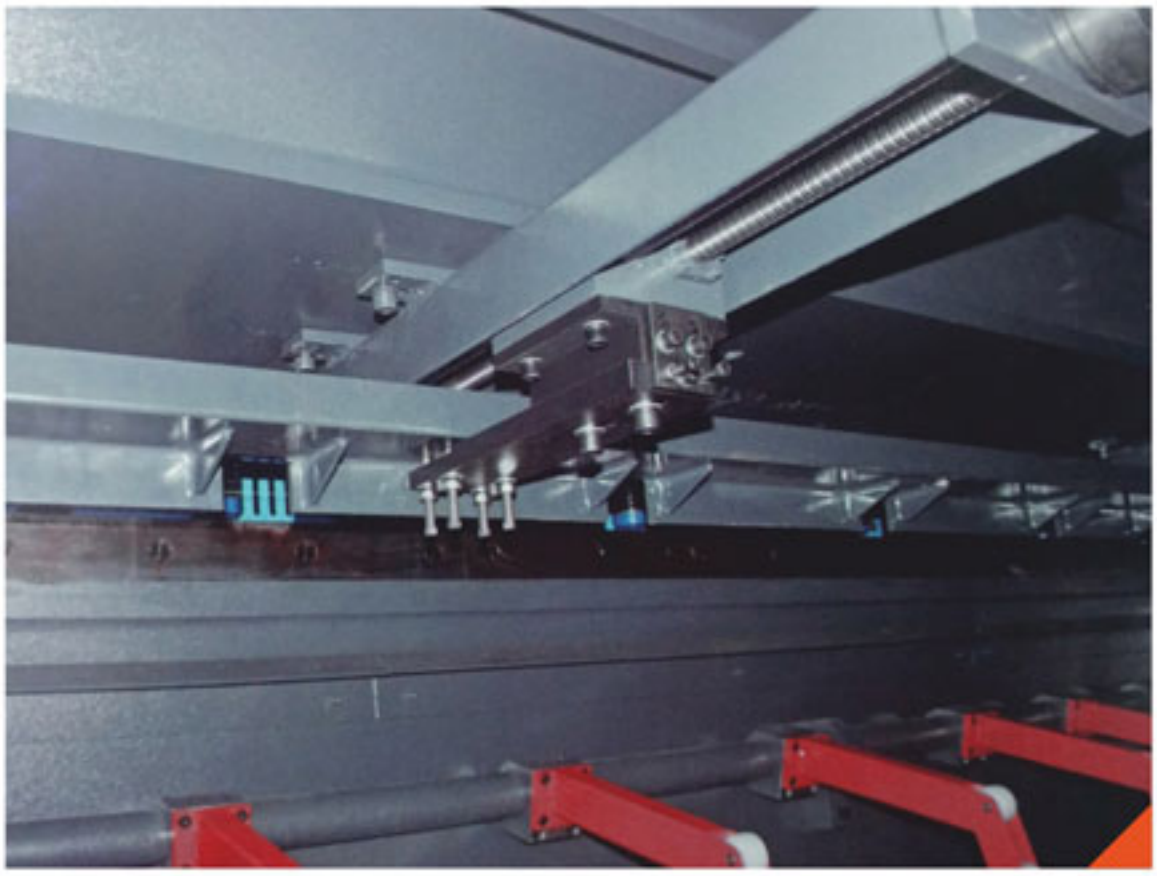


Germany Bosch-Rexrith Hydraulic System

Schneider Electrical from French

Estun E21S NC System

Front sheet support with right angle



HIWIN Ball screw/ Polished rod

Rear sheet support

Photo safety curtain

# RP-Cut

## Hydraulic Swing Beam Shear

### Estun E200-S

- LCD 240x128 display
- Program memory of up to 40 programs up to 25 steps per program
- Servo system control
- One side positioning indication
- Retract function
- Auto reference search
- Power-down memorization mm/ inch

### Estun E21S

- Back gauge control
- Control for general AC motors, frequency inverter Intelligent positioning
- Double programmable digital output
- Stock counter
- Program memory of up to 40 programs up to 25 steps per program
- One side positioning
- Retract function
- One key backup/ restore of parameters

### Estun E10-S

- Back gauge position display, resolution 0.01mm or 0.001inch Stock counter
- Stroke length setting
- One side positioning indication
- Software Limitation
- Power-down memorization

### Delem DAC310

- Servo control technology
- Bright LCD display, 128x64 pixels
- Back gauge, Gap or Angle control
- Stroke length limitation
- Actual and programmed position visualisation

### Maper HT071

- 99 programs, 20 steps for each program
- Work piece counter
- Working time display
- Inch/ Metric

### Elgo P40

- Single or Two axis Controller
- LCD display
- Manual function
- Single set operation
- Program set operation

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# Technical Parameters

| Model | Thickness mm | Width mm | Cutting (°) | Material Intension Kn/cm | Rear Stopper Adjustment mm | Travel times times /min | Hold downs Pcs | Main Power kw | Weight kg | Overall Dimension (LxWxH) mm |
|---|---|---|---|---|---|---|---|---|---|---|
| RP Cut 4×2500 | 4 | 2500 | 1°30' | ≤450 | 20-500 | 10 | 12 | 5.5 | 3800 | 3040×1610×1620 |
| RP Cut 4×3200 | 4 | 3200 | 1°30' | ≤450 | 20-500 | 10 | 14 | 5.5 | 5000 | 3840×1610×1620 |
| RP Cut 4×4000 | 4 | 4000 | 1°30' | ≤450 | 20-750 | 8 | 16 | 5.5 | 6500 | 4600×1700×1700 |
| RP Cut 4×6000 | 4 | 6000 | 1°30' | ≤450 | 20-750 | 5 | 20 | 7.5 | 11000 | 6460×2100×3200 |
| RP Cut 6×2500 | 6 | 2500 | 1°30' | ≤450 | 20-500 | 10 | 12 | 7.5 | 5000 | 3040×1610×1620 |
| RP Cut 6×3200 | 6 | 3200 | 1°30' | ≤450 | 20-750 | 9 | 14 | 7.5 | 6000 | 3840×1610×1620 |
| RP Cut 6×4000 | 6 | 4000 | 1°30' | ≤450 | 20-750 | 8 | 16 | 7.5 | 8200 | 4620×1750×1700 |
| RP Cut 6×5000 | 6 | 5000 | 1°30' | ≤450 | 20-750 | 6 | 18 | 7.5 | 10500 | 5400×1800×1900 |
| RP Cut 6×6000 | 6 | 6000 | 1°30' | ≤450 | 20-750 | 5 | 20 | 11 | 16500 | 6480×2100×2300 |
| RP Cut 8×2500 | 8 | 2500 | 1°30' | ≤450 | 20-750 | 10 | 12 | 7.5 | 6000 | 3040×1700×1700 |
| RP Cut 8×3200 | 8 | 3200 | 1°30' | ≤450 | 20-750 | 8 | 14 | 7.5 | 7200 | 3860×1700×1700 |
| RP Cut 8×4000 | 8 | 4000 | 1°30' | ≤450 | 20-750 | 8 | 16 | 7.5 | 8800 | 4640×1700×1700 |
| RP Cut 8×5000 | 8 | 5000 | 1°30' | ≤450 | 20-750 | 8 | 18 | 7.5 | 11500 | 5400×2100×2000 |
| RP Cut 8×6000 | 8 | 6000 | 1°30' | ≤450 | 20-750 | 8 | 20 | 11 | 18000 | 6480×2100×2350 |
| RP Cut 10×2500 | 10 | 2500 | 2° | ≤450 | 20-750 | 9 | 12 | 11 | 7300 | 3040×1700×1700 |
| RP Cut 10×3200 | 10 | 3200 | 2° | ≤450 | 20-750 | 9 | 14 | 11 | 8000 | 3860×1700×1700 |
| RP Cut 10×4000 | 10 | 4000 | 2° | ≤450 | 20-750 | 8 | 16 | 11 | 12050 | 4650×2100×2000 |
| RP Cut 10×6000 | 10 | 6000 | 2° | ≤450 | 20-750 | 5 | 20 | 15 | 24000 | 6500×2100×2300 |
| RP Cut 12×2500 | 12 | 2500 | 1°40' | ≤450 | 20-750 | 9 | 12 | 18.5 | 9000 | 3140×2150×2000 |
| RP Cut 12×3200 | 12 | 3200 | 1°40' | ≤450 | 20-750 | 9 | 14 | 18.5 | 10800 | 3880×2150×2000 |
| RP Cut 12×4000 | 12 | 4000 | 1°40' | ≤450 | 20-750 | 8 | 16 | 18.5 | 13000 | 4680×2150×2000 |
| RP Cut 12×5000 | 12 | 5000 | 2° | ≤450 | 20-750 | 6 | 18 | 18.5 | 16000 | 5900×2150×2000 |
| RP Cut 12×6000 | 12 | 6000 | 2° | ≤450 | 20-1000 | 5 | 20 | 18.5 | 29500 | 6900×2600×2700 |
| RP Cut 12×8000 | 12 | 8000 | 2° | ≤450 | 20-1000 | 5 | 24 | 18.5 | 46500 | 9000×3500×3500 |
| RP Cut 16×2500 | 16 | 2500 | 2°30' | ≤450 | 20-750 | 9 | 12 | 18.5 | 11000 | 3140×2150×2000 |
| RP Cut 16×3200 | 16 | 3200 | 2°30' | ≤450 | 20-750 | 8 | 14 | 18.5 | 13000 | 3880×2150×2000 |
| RP Cut 16×4000 | 16 | 4000 | 2°30' | ≤450 | 20-750 | 8 | 16 | 18.5 | 16300 | 4650×2150×2000 |
| RP Cut 16×5000 | 16 | 5000 | 2°30' | ≤450 | 20-1000 | 6 | 18 | 18.5 | 20000 | 5900×2600×2700 |
| RP Cut 16×6000 | 16 | 6000 | 2°30' | ≤450 | 20-1000 | 5 | 20 | 22 | 36000 | 6900×2700×2700 |
| RP Cut 16×8000 | 16 | 8000 | 2°30' | ≤450 | 20-1000 | 5 | 24 | 22 | 75000 | 9000×3500×3500 |
| RP Cut 20×2500 | 20 | 2500 | 3° | ≤450 | 20-750 | 8 | 12 | 22 | 15800 | 3440×2300×2500 |
| RP Cut 20×3200 | 20 | 3200 | 3° | ≤450 | 20-1000 | 8 | 14 | 22 | 18500 | 4150×2350×2700 |
| RP Cut 20×4000 | 20 | 4000 | 3° | ≤450 | 20-1000 | 5 | 16 | 22 | 21500 | 4850×2600×2700 |
| RP Cut 20×6000 | 20 | 6000 | 3° | ≤450 | 20-1000 | 4 | 20 | 22 | 47000 | 6700×3000×3000 |
| RP Cut 25×2500 | 25 | 2500 | 3° | ≤450 | 20-1000 | 8 | 12 | 37 | 19000 | 3200×2700×2900 |
| RP Cut 25×3200 | 25 | 3200 | 3° | ≤450 | 20-1000 | 5 | 14 | 37 | 23000 | 4200×2900×3200 |
| RP Cut 30×2500 | 30 | 2500 | 3° | ≤450 | 20-1000 | 4 | 12 | 37 | 23500 | 3300×2900×3000 |
| RP Cut 30×3200 | 30 | 3200 | 3°30' | ≤450 | 20-1000 | 4 | 14 | 40 | 26000 | 4200×2900×3200 |
| RP Cut 40×2500 | 40 | 2500 | 4° | ≤450 | 20-1000 | 3 | 12 | 75 | 38000 | 3200×3300×3000 |
| RP Cut 40×3200 | 40 | 3200 | 4° | ≤450 | 20-1000 | 3 | 14 | 90 | 49000 | 4300×3300×3200 |

* All dimensions are in mm

# RP-Cut VR

## Hydraulic Guillotine Shear

## Elgo P40 NC

- Single or Two axis Controller
- LCD display
- Simple handing
- Manual function
- Single set operation
- Program memory
- Digital outputs
- Analog output

## Delem DAC360 CNC

- 4.7"monochrome LCD
- High-quality foil cover with
- Back gauge control
- Retrack function
- Cutting angle control
- Cutting gap control
- Stroke length limitation
- Force control
- Manual movement of axis

## Standard Equipment

- Variable rake design for machine
- Germany ELGO P40 Controller
- Motorized blade gap adjustment
- 750mm powered ball screw back gauge
- 130mm throat depth with side guards
- Adjustable stroke length & digital counter
- Powerful material holddowns
- Front squaring arm with scale & support arms
- Front finger guards
- Cutting line illumination
- Ball transfer table and T-slots

## Safety Equipment

- Safety Standards(2006/42/EC)
- Front finger Protection(Safety light curtain)
- Foot switch with protection cover
- Back metal safe fence with CE standards
- Safety Relay with Monitor the pedal
- switch & safety protection

RAJ POWER™

# Technical Parameters

| | Mild Steel (450MPs) | Cutting length (mm) | Depth of throat (mm) | Back gauge range (mm) | Rake angle adjustment | Stroke ($min^{-1}$) | Main motor (kw) | Hold downs (pieces) |
|---|---|---|---|---|---|---|---|---|
| RP Cut-VR 4 x 2000 | 4 | 2000 | 80 | 600 | 0.5° ~ 2° | 14 | 5.5 | 2600x1680x1750 |
| RP Cut-VR 4 x 2500 | 4 | 2500 | 80 | 600 | 0.5° ~ 2° | 14 | 5.5 | 3125x1750x1765 |
| RP Cut-VR 6 x 2500 | 6 | 2500 | 80 | 750 | 0.5° ~ 1°30' | 14 | 7.5 | 3100x1725x1900 |
| RP Cut-VR 6 x 3200 | 6 | 3200 | 80 | 750 | 0.5° ~ 1°30' | 12 | 7.5 | 3935x1840x1995 |
| RP Cut-VR 6 x 4000 | 6 | 4000 | 80 | 750 | 0.5° ~ 1°30' | 10 | 7.5 | 4650x1840x2100 |
| RP Cut-VR 6 x 5000 | 6 | 5000 | 80 | 750 | 0.5° ~ 1°30' | 8 | 7.5 | 5650x2050x2400 |
| RP Cut-VR 6 x 6000 | 6 | 6000 | 80 | 750 | 0.5° ~ 1°30' | 8 | 7.5 | 6650x1980x2380 |
| RP Cut-VR 8 x 2500 | 8 | 2500 | 80 | 750 | 0.5° ~ 2° | 14 | 7.5 | 3135x1840x2075 |
| RP Cut-VR 8 x 3200 | 8 | 3200 | 80 | 750 | 0.5° ~ 2° | 12 | 7.5 | 3850x1990x2050 |
| RP Cut-VR 8 x 4000 | 8 | 4000 | 80 | 750 | 0.5° ~ 2° | 10 | 7.5 | 4650x1890x2075 |
| RP Cut-VR 8 x 5000 | 8 | 5000 | 80 | 750 | 0.5° ~ 2° | 7 | 15 | 5650x2050x2400 |
| RP Cut-VR 8 x 6000 | 8 | 6000 | 100 | 750 | 0.5° ~ 2° | 7 | 15 | 6805x2115x2715 |
| RP Cut-VR 10 x 2500 | 10 | 2500 | 100 | 750 | 0.5° ~ 2°30' | 10 | 15 | 3195x1915x2205 |
| RP Cut-VR 10 x 3200 | 10 | 3200 | 100 | 750 | 0.5° ~ 2°30' | 8 | 15 | 3895x1900x2235 |
| RP Cut-VR 10 x 4000 | 10 | 4000 | 100 | 750 | 0.5° ~ 2°30' | 6 | 15 | 4695x1970x2270 |
| RP Cut-VR 10 x 5000 | 10 | 5000 | 100 | 750 | 0.5° ~ 2°30' | 5 | 15 | 5700x2115x2715 |
| RP Cut-VR 10 x 6000 | 10 | 6000 | 100 | 750 | 0.5° ~ 2°30' | 5 | 15 | 6905x2115x2800 |
| RP Cut-VR 12 x 2500 | 12 | 2500 | 100 | 750 | 0.5° ~ 2°30' | 10 | 15 | 3195x2000x2210 |
| RP Cut-VR 12 x 3200 | 12 | 3200 | 100 | 750 | 0.5° ~ 2°30' | 8 | 15 | 3895x1950x2240 |
| RP Cut-VR 12 x 4000 | 12 | 4000 | 100 | 750 | 0.5° ~ 2°30' | 6 | 15 | 4710x1950x2450 |
| RP Cut-VR 12 x 5000 | 12 | 5000 | 100 | 750 | 0.5° ~ 2°30' | 5 | 30 | 5750x2115x2800 |
| RP Cut-VR 12 x 6000 | 12 | 6000 | 100 | 750 | 0.5° ~ 2°30' | 5 | 30 | 7150x2300x3100 |
| RP Cut-VR 16 x 2500 | 16 | 2500 | 100 | 750 | 0.5° ~ 2°30' | 8 | 15 | 3215x1970x2340 |
| RP Cut-VR 16 x 3200 | 16 | 3200 | 100 | 750 | 0.5° ~ 2°30' | 7 | 15 | 3915x1970x2455 |
| RP Cut-VR 16 x 4000 | 16 | 4000 | 100 | 750 | 0.5° ~ 2°30' | 6 | 15 | 4715x2010x2590 |
| RP Cut-VR 16 x 5000 | 16 | 5000 | 100 | 750 | 0.5° ~ 3° | 5 | 22 | 6000x2300x3000 |
| RP Cut-VR 16 x 6000 | 16 | 6000 | 100 | 750 | 0.5° ~ 3° | 5 | 37 | 7250x2400x3100 |
| RP Cut-VR 20 x 2500 | 20 | 2500 | 100 | 750 | 0.5° ~ 3° | 6 | 22 | 3235x2020x2465 |
| RP Cut-VR 20 x 3200 | 20 | 3200 | 120 | 750 | 0.5° ~ 3° | 5 | 30 | 4150x2065x2755 |
| RP Cut-VR 20 x 4000 | 20 | 4000 | 120 | 750 | 0.5° ~ 3° | 4 | 30 | 4955x2125x2885 |
| RP Cut-VR 20 x 5000 | 20 | 5000 | 120 | 750 | 0.5° ~ 3° | 4 | 37 | 6000x2300x3050 |
| RP Cut-VR 20 x 6000 | 20 | 6000 | 120 | 750 | 0.5° ~ 3° | 5 | 37 | 7150x2450x3280 |
| RP Cut-VR 25 x 2500 | 25 | 2500 | 120 | 750 | 0.5° ~ 3°30' | 5 | 37 | 3465x2130x2712 |
| RP Cut-VR 25 x 3200 | 25 | 3200 | 120 | 750 | 0.5° ~ 3°30' | 5 | 37 | 4120x2200x3000 |
| RP Cut-VR 25 x 4000 | 25 | 4000 | 120 | 750 | 0.5° ~ 3°30' | 4 | 37 | 4950x2200x3150 |
| RP Cut-VR 30 x 2500 | 30 | 2500 | 120 | 750 | 0.5° ~ 3°30' | 4 | 37 | 3465x2170x2770 |
| RP Cut-VR 30 x 3200 | 30 | 3200 | 120 | 750 | 1° ~ 3°30' | 3 | 37 | 4200x2300x3200 |
| RP Cut-VR 40 x 2500 | 40 | 2500 | 80 | 750 | 1° ~ 4° | 4 | 37 x 2 | 3770x2550x3400 |

* All dimensions are in mm

# RP-Roll

## Mechanical 3-Roller Rolling Machine

## Standard Equipment

Its upper roller can life and two bottom rollers can move horizontally separately or synchronously. Every bottom roller-perform function of bottom roller and sider roller in turn, become two types non-symmetrical three roller rolling plate machine, which can finish pre-bend and roll of thin and thick plate at the same time. It is convenient to roll taper work piece. Note: The Machine that more than25x2500 adopts discharge by hydraulic connection plate.

## Technical Parameters

| Model | Max. plate thickness (mm) | Max. prebending thickness (mm) | Max. plate Width (mm) | Roll speed (m/min) | Min. diameter of max. plate thickness (mm) | Top roll diameter (mm) | Bottom roll diameter (mm) | Motor Power (KW) | Dimension L×W×H (mm) |
|---|---|---|---|---|---|---|---|---|---|
| RP-PR-6x2000 | 6 | 4 | 2000 | 5.6 | 380 | 180 | 170 | 5.5 | 3600x980x1300 |
| RP-PR-6x2500 | 6 | 4 | 2500 | 5.6 | 450 | 230 | 200 | 7.5 | 5600x1385x1450 |
| RP-PR-8x2000 | 8 | 6 | 2000 | 5.6 | 450 | 230 | 200 | 7.5 | 5100x1380x1450 |
| RP-PR-8x2500 | 8 | 6 | 2500 | 5.5 | 500 | 240 | 220 | 11 | 5780x1490x1540 |
| RP-PR-8x3200 | 8 | 6 | 3200 | 5.8 | 650 | 260 | 230 | 15 | 6400x1490x1540 |
| RP-PR-12x2000 | 12 | 8 | 2000 | 5.5 | 500 | 240 | 220 | 11 | 5240x1490x1540 |
| RP-PR-12x2500 | 12 | 8 | 2500 | 5.8 | 650 | 260 | 230 | 15 | 5740x1485x1600 |
| RP-PR-12x3000 | 12 | 8 | 3000 | 5.8 | 750 | 300 | 260 | 22 | 6400x1770x1700 |
| RP-PR-16x2000 | 16 | 12 | 2000 | 5.8 | 650 | 260 | 230 | 15 | 5240x1485x1600 |
| RP-PR-16x2500 | 16 | 12 | 2500 | 5.8 | 750 | 300 | 260 | 22 | 5800x1770x1700 |
| RP-PR-16x3200 | 16 | 12 | 3200 | 5.6 | 900 | 340 | 300 | 22 | 6900x1900x1750 |
| RP-PR-20x2000 | 20 | 16 | 2000 | 5.8 | 750 | 300 | 260 | 22 | 5300x1770x1700 |
| RP-PR-20x2500 | 20 | 16 | 2500 | 5 | 850 | 340 | 300 | 30 | 6140x1900x1750 |
| RP-PR-25x2000 | 25 | 20 | 2000 | 5 | 850 | 340 | 300 | 30 | 5640x1900x1750 |
| RP-PR-25x2500 | 25 | 20 | 2500 | 4.5 | 950 | 380 | 320 | 37 | 7500x1740x1930 |
| RP-PR-30x2000 | 30 | 25 | 2000 | 4.5 | 950 | 380 | 320 | 37 | 6800x1740x1930 |
| RP-PR-30x2500 | 30 | 25 | 2500 | 4.5 | 1100 | 420 | 320 | 45 | 7850x1740x2100 |

* All dimensions are in mm

# RP-Roll CNC

## Hydraulic 4-Roller Rolling Machine

## Technical Parameters

| Model | Max Rolling Thick-ness (mm) | Max. crim width (mm) | Plate yield limit (Mpa) | Roll speed (m/min) | Pre-curved plate thickness (mm) | Loaded with minimum diameter (mm) | The upper roller diameter (mm) | Roll diameter (mm) | Side of the diameter (mm) | Main motor power (kw) | Dimension LxWxH (mm) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RP-PR4-12x2000 | 12 | 200 | 245 | 5.45 | 10 | 700 | 260 | 260 | 200 | 18.5 | 5600x2000x2070 |
| RP-PR4-12x2500 | 12 | 2500 | 245 | 5.5 | 10 | 750 | 300 | 300 | 220 | 18.5 | 6300x2000x1200 |
| RP-PR4-12x4000 | 12 | 4000 | 245 | 4 | 10 | 850 | 410 | 360 | 280 | 30 | 7600x2000x1800 |
| RP-PR4-16x2000 | 16 | 2000 | 245 | 5.5 | 12 | 750 | 300 | 300 | 220 | 18.5 | 5800x2000x1800 |
| RP-PR4-16x2500 | 16 | 2500 | 245 | 6.5 | 12 | 850 | 330 | 330 | 260 | 22 | 6810x2000x1870 |
| RP-PR4-20x2000 | 20 | 2000 | 245 | 6.5 | 16 | 850 | 330 | 330 | 260 | 22 | 6000x2000x1850 |
| RP-PR4-20x2500 | 20 | 2500 | 245 | 6.5 | 16 | 1000 | 360 | 360 | 280 | 30 | 6850x2000x2070 |
| RP-PR4-20x3000 | 20 | 3000 | 245 | 4.5 | 16 | 1100 | 410 | 400 | 320 | 37 | 7310x2100x2200 |
| RP-PR4-25x2000 | 25 | 2000 | 245 | 6.5 | 22 | 1000 | 360 | 360 | 280 | 30 | 6300x2300x2070 |
| RP-PR4-25x2500 | 25 | 2500 | 245 | 5 | 22 | 1100 | 410 | 400 | 320 | 37 | 8000x2600x2100 |
| RP-PR4-25x3000 | 25 | 3000 | 245 | 5 | 22 | 1150 | 480 | 480 | 400 | 37 | 9000x3200x2500 |
| RP-PR4-25x4000 | 25 | 4000 | 245 | 4 | 22 | 1200 | 560 | 520 | 420 | 45 | 10100x3500x2900 |
| RP-PR4-30x2000 | 30 | 2000 | 245 | 5 | 25 | 1100 | 410 | 400 | 320 | 37 | 7500x2600x2500 |
| RP-PR4-30x2500 | 30 | 2500 | 245 | 4.5 | 25 | 1150 | 480 | 480 | 400 | 37 | 8400x2590x2600 |
| RP-PR4-30x3000 | 30 | 3000 | 245 | 4 | 25 | 1300 | 560 | 520 | 420 | 45 | 9200x3500x2900 |
| RP-PR4-30x4000 | 30 | 4000 | 245 | 4 | 25 | 1500 | 650 | 580 | 480 | 55 | 10200x3500x2900 |
| RP-PR4-40x2000 | 40 | 2000 | 245 | 4.5 | 36 | 1200 | 480 | 480 | 400 | 37 | 8200x3000x2500 |
| RP-PR4-40x2500 | 40 | 2500 | 245 | 4 | 36 | 1300 | 560 | 520 | 420 | 45 | 8700x3500x2900 |
| RP-PR4-40x3000 | 40 | 3000 | 245 | 4 | 36 | 1500 | 650 | 580 | 480 | 55 | 8500x3600x3000 |
| RP-PR4-50x2000 | 50 | 2000 | 245 | 4 | 45 | 1500 | 560 | 460 | 420 | 55 | 9000x4000x3300 |
| RP-PR4-50x2500 | 50 | 2500 | 245 | 4.5 | 45 | 1550 | 650 | 600 | 500 | 55 | 9500x4500x3700 |
| RP-PR4-50x3000 | 50 | 3000 | 245 | 4 | 45 | 1800 | 700 | 650 | 520 | 55 | 9800x4300x3500 |
| RP-PR4-60x2500 | 60 | 2500 | 245 | 4 | 50 | 1800 | 720 | 650 | 520 | 55 | 9500x4500x3700 |
| RP-PR4-60x3000 | 60 | 3000 | 245 | 4.5 | 50 | 1800 | 750 | 710 | 560 | 75 | 10000x4500x3700 |
| RP-PR4-70x3000 | 70 | 3000 | 245 | 3.5 | 60 | 2500 | 750 | 720 | 600 | 75 | 13000x3500x3800 |
| RP-PR4-80x3200 | 80 | 3200 | 245 | 3 | 70 | 2500 | 800 | 780 | 620 | 75 | 13500x3500x3800 |
| RP-PR4-90x4000 | 90 | 4000 | 245 | 3 | 80 | 2500 | 900 | 880 | 700 | 90 | 15000x3800x4200 |

* All dimensions are in mm

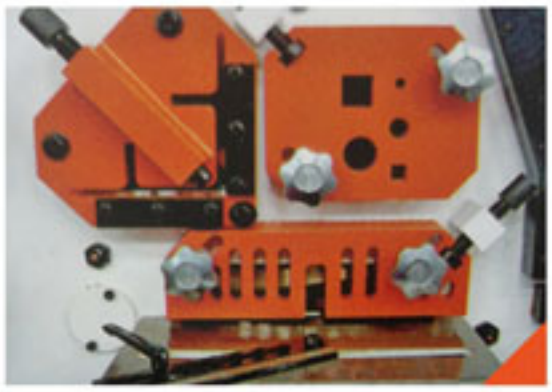
# RIW

## Hydraulic Iron Worker

## Technical Parameters

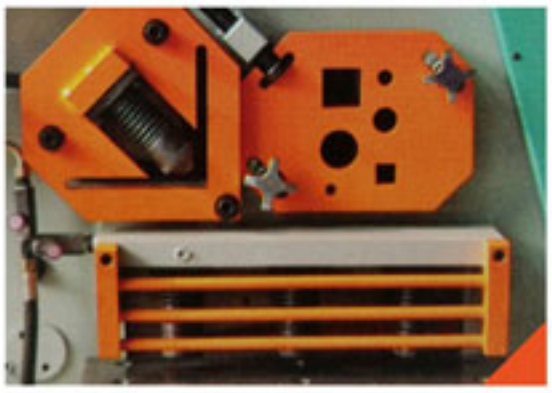
| MODEL | | RIW-60 | RIW-90 | RIW-120 |
|---|---|---|---|---|
| Processing Capacity (KN) | | 600 | 900 | 1200 |
| Material Tensile Strength (Mpa) | | ≤ 450 | ≤ 450 | ≤ 450 |
| Ram Stroke(mm) | | 80 | 80 | 80 |
| Number of stroke (times/min)(mm) | | 8–22 | 8–22 | 8–22 |
| Throat Depth(mm) | | 300 | 355 | 400 |
| Shear Angle | | 7° | 8° | 8° |
| Flate Shearing | Max Shearing Capacity (thickness x Width)(mm) | 16×250 | 20×330 | 25×330 |
| | | 8×400 | 10×480 | 16×600 |
| Bar Shearing | Square Bar(mm) | 40×40 | 45×45 | 50×50 |
| | Round Bar(mm) | 45 | 50 | 60 |
| | H-beam(mm) | – | 100×100 | 120×120 |
| | C-channel(mm) | 126×53×5.5 | 160×60×6.5 | 200×75×9 |
| | I-beam(mm) | 126×74×5 | 160×86×6 | 200×102×9 |
| Angle Shearing | 90° Shearing(mm) | 120×120×12 | 140×140×12 | 160×160×14 |
| | 45° Shearing(mm) | 70×70×8 | 70×70×10 | 80×80×7 |
| Hole Punching | Max dia of Punching (mm) | Ø25 | Ø30 | Ø35 |
| | Punching Thickness | 16 | 20 | 25 |
| Motor(KW) | | 4 | 5.5 | 7.5 |
| Dimension(mm) | | 1650×800×1780 | 1950×900×1930 | 2350×980×2100 |

* All dimensions are in mm



## RIW series

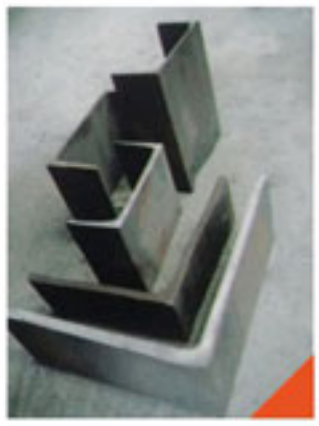
- Angle shearing station is equipped with manual holding system
- Plate shearing station is equipped with manual holding system
- Punching & Shearing is not allowed to work simultaneously



## RIW-S series

- Angle shearing station is equipped with hydraulic system
- Plate shearing station is equipped with hydraulic system
- Punching & Shearing station both work simultaneously, is equipped with thermal dissipation system, suitable for long time working with high affiance

## Work Pieces



| RIW-160 | RIW-200 | RIW-250 | RIW-300 | RIW-350 | RIW-400 |
|---|---|---|---|---|---|
| 1600 | 2000 | 2500 | 3000 | 3500 | 4000 |
| ≤ 450 | ≤ 450 | ≤ 450 | ≤ 450 | ≤ 450 | ≤ 450 |
| 80 | 100 | 100 | 100 | 100 | 100 |
| 8–22 | 8–22 | 6–18 | 6–18 | 6–18 | 6–18 |
| 500 | 550 | 550 | 550 | 550 | 550 |
| 8° | 8° | 8° | 8° | 6° | 6° |
| 30×355 | 35×400 | 38×420 | 40×450 | 42×500 | 45×550 |
| 20×600 | 25×700 | 25×750 | 25×780 | 25×880 | 25×980 |
| 55×55 | 60×60 | 65×65 | 70×70 | 75×75 | 80×80 |
| 65 | 70 | 75 | 80 | 85 | 90 |
| 175×175 | 200×200 | 250×250 | 300×300 | 350×350 | 400×400 |
| 280×86×11.5 | 300 | 300 | 320 | 360 | 420 |
| 280×124×10.5 | 300 | 320 | 320 | 360 | 420 |
| 180×180×16 | 200×200×16 | 200×200×18 | 200×200×20 | 200×220×20 | 220×220×22 |
| 80×80×10 | 100×100×10 | 120×120×12 | 120×120×12 | 140×140×12 | 140×140×12 |
| Ø38 | Ø40 | Ø42 | Ø45 | Ø48 | Ø50 |
| 28 | 30 | 35 | 40 | 40 | 40 |
| 11 | 15 | 18.5 | 22 | 30 | 37 |
| 2680×1060×2380 | 2800×1260×2420 | 3200×1440×2480 | 3200×1500×2480 | 3400×1600×2500 | 3800×1700×2530 |

* All dimensions are in mm

# RIWP

## 60 Ton - 300 Ton Hydraulic Punching Machine

Pipe Notching

Pipe Punching

Flat Bar Punching

Vee Notching

Angle/Channer Bar Punching

Press Brake

Angle Bending

Radius Corners

Rounding Off Conners

H-Beam Punching

Bilateral Rounding Off

Angle Miter Shear

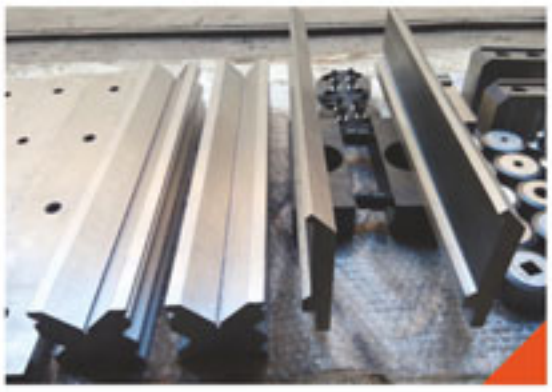
Deep Throat Hydraulic Punching Machine

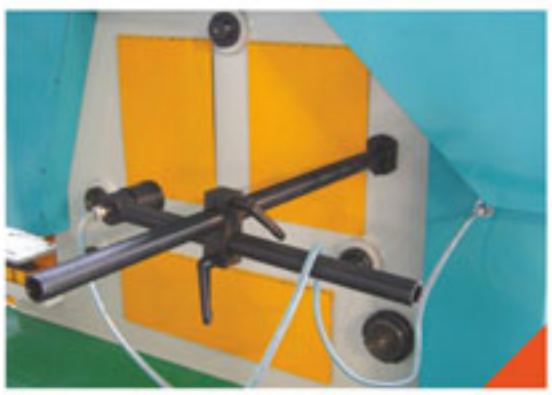
Dual Hydraulic Punching Machine

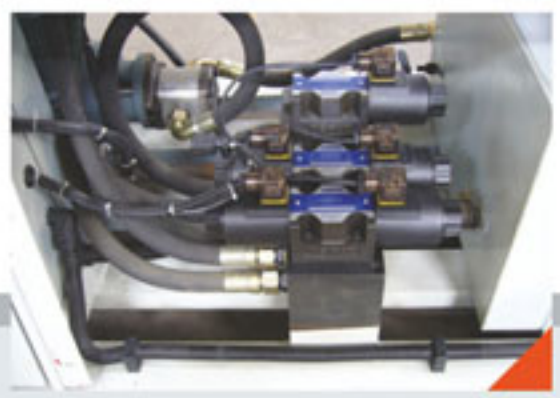
The Machine adopt hydraulic transmission, widely used in punching, shearing, bending and metal forming for various kinds of steel plates. Punching capacity range up to max. 40mm thickness of steel. Moulds, color, size of the machine are optional subject to clients' order.

| Type | RIWP 60 | RIWP 90 | RIWP 120 | RIWP 160 | RIWP 200 | RIWP 250 |
|---|---|---|---|---|---|---|
| Punch Capacity (mm) | Φ25x16 | Φ30x20 | Φ35x25 | Φ40x30 | Φ40x35 | Φ45x40 |
| Punch Pressure (KN) | 600 | 900 | 1200 | 1600 | 2000 | 2500 |
| Stroke (mm) | 80 | 80 | 80 | 80 | 100 | 100 |
| Number of Stroke (times/min) | 8-22 | 8-22 | 8-22 | 8-25 | 8-25 | 8-25 |
| Motor power (KW) | 4 | 5.5 | 7.5 | 11 | 15 | 18.5 |
| Throat Depth (mm) | 300 | 355 | 400 | 550 | 550 | 550 |
| Net weight (Kg) | 1600 | 2000 | 3200 | 4200 | 5000 | 6200 |
| Dimension (mm) | L=1500 | L=1550 | L=1660 | L=1700 | L=1800 | L=1900 |
| | W=800 | W=900 | W=1000 | W=1100 | W=1200 | W=1400 |
| | H=1780 | H=1930 | H=2100 | H=2200 | H=2300 | H=2400 |

* All dimensions are in mm







# RCP

## C-Frame Power Press

## Technical Parameters

| Model No. | RCP-3T | RCP-5T | RCP-10T | RCP-20T | RCP-30T |
|---|---|---|---|---|---|
| Tonnage | 3 | 5 | 10 | 20 | 30 |
| Crank Shaft Diameter | 38 | 51 | 60 | 76 | 83 |
| Stroke Length | 25 | 25 | 51 | 76 | 76 |
| Stroke Adjustment | 6-25 | 6-25 | 6-51 | 13-76 | 13-76 |
| Bed size | 203×152 | 305×178 | 381×255 | 508×305 | 558×356 |
| Distance Bed to Ram | 127 | 153 | 205 | 280 | 292 |
| Hole in Ram | 19 | 25 | 25 | 32 | 38 |
| Hole in Bed | 51 | 63 | 76 | 83 | 89 |
| Fly Wheel Diameter | 330 | 405 | 435 | 550 | 660 |
| Motor H.P. Required | 0.5 | 0.5 | 1 | 2 | 3 |
| Length | 625 | 940 | 1100 | 1240 | 1325 |
| Width | 610 | 915 | 1070 | 1220 | 1300 |
| Height | 1016 | 1370 | 1525 | 1830 | 1920 |
| Weight Approx Kgs | 150 | 275 | 525 | 1020 | 1350 |

* All dimensions are in mm

**Frame Construction:** Mechanical C Frame Power Press fabricated from IS-2062 graded rolled steel plates. Frame is deeply reinforced and fines machines after stress reliving. 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 and 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.

**Rolling Key Clutch:** Made of alloy steel for positive engagement and continues operation heavy three key ways. Single rolling key system is incorporated in the machine ensuring easy and efficient working of the machine.

**Gears:** Gears are of steel cast or fabricated. Gear teeth are generated by precision hobbing machine.

**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.

**Lubrication:** Single shot lubricator provides oil to all the lubrication points, where necessary. Thus all bearing parts and guide surface etc.

## Standard Equipment

- Flywheel & Gear Guard
- Oil Cups & Self-Lubrication System
- Motor Pulley
- Knock Out System
- Slide Adj. Spanner
- A Pair of Die Clamp
- Clutch Key

## Optional Equipment

- Pneumatic Clutch With Photo Safety Curtains
- Two Hand Operated Mechanical Device
- Auto Lubrication System
- Electrical Motor, Starter & V-Belt
- Stroke Counter
- Extra Base Plate
- Inclinable Type
- Anti-vibration mount

| RCP-50T | RCP-50T-HD | RCP-75T | RCP-100T | RCP-150T | RCP-200T | RCP-250T |
|---|---|---|---|---|---|---|
| 50 | 50 | 75 | 100 | 150 | 200 | 250 |
| 92 | 105 | 121 | 134 | 152 | 158 | 165 |
| 90 | 102 | 115 | 127 | 152 | 158 | 165 |
| 13-90 | 13-102 | 13-115 | 13-127 | 13-152 | 13-158 | 13-165 |
| 660 x 406 | 750×520 | 863×596 | 914×635 | 965×685 | 1016×736 | 1067×778 |
| 356 | 406 | 483 | 483 | 495 | 519 | 544 |
| 38 | 38 | 45 | 51 | 57 | 63 | 63 |
| 127 | 127 | 152 | 178 | 191 | 216 | 229 |
| 810 | 810 | 910 | 1016 | 1118 | 1150 | 1320 |
| 5 | 5 | 7.5 | 10 | 15 | 20 | 25 |
| 1575 | 1575 | 1760 | 1850 | 1970 | 2190 | 2340 |
| 1510 | 1510 | 1700 | 1825 | 1900 | 2050 | 2230 |
| 2420 | 2420 | 2950 | 3050 | 3200 | 3250 | 3300 |
| 2750 | 2750 | 4300 | 5500 | 6600 | 9000 | 11500 |

* All dimensions are in mm

# RCPN

## C-Frame Pneumatic Press

### Standard Equipment

- Pneumatic dry clutch
- "Crompton / Siemens" Make Electric Motor
- Electric Control Panel and Pneumatic Control Panel
- Inching Stroke, Single Stroke & Auto Stroke
- Emergency Switch
- Front Two Both Hand Operating Panel
- Foot Switch
- Production Counter
- Motorized Grease Lubrication Pump
- Extra Air Outlet

### Optional Equipment

- Variable Stroke
- Pneumatic Die Cushion
- Photo Safety Curtain
- Variable Speed
- Anti-vibration mounts
- Extra Base Plate

**Frame Construction:** C Frame Pneumatic Press fabricated from IS-2062 graded rolled steel plates. Frame is deeply reinforced and fines machines after stress reliving. 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 and 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.

**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.

**Dual Safety Valve:** The interlock mechanism on the dual valve keeps the clutch and brake from mis-actuation when valve is default.

**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.

## Technical Parameters

| Type | RCPN-10T | RCPN-20T | RCPN-30T | RCPN-50T | RCPN-75T | RCPN-100T | RCPN-150T | RCPN-200T | RCPN-250T |
|---|---|---|---|---|---|---|---|---|---|
| Tonnage | 10 | 20 | 30 | 50 | 75 | 100 | 150 | 200 | 250 |
| Crank Shaft Diameter | 60 | 76 | 83 | 105 | 121 | 134 | 152 | 158 | 165 |
| Stroke Length | 50 | 75 | 75 | 100 | 115 | 125 | 150 | 175 | 200 |
| Stroke Adjustment | 6-50 | 13-75 | 13-75 | 13-100 | 13-115 | 13-125 | 13-150 | Fixed | Fixed |
| Bed size | 400×250 | 500×300 | 550×350 | 750×500 | 850×600 | 925×650 | 1000×700 | 1100×800 | 1200x900 |
| Distance Bed to Ram | 200 | 280 | 300 | 400 | 450 | 475 | 500 | 525 | 550 |
| Hole in Ram | 25 | 32 | 38 | 38 | 45 | 50 | 55 | 65 | 70 |
| Hole in Bed | 75 | 80 | 90 | 125 | 150 | 175 | 200 | 225 | 250 |
| Fly Wheel Diameter | 435 | 550 | 660 | 580 | 680 | 720 | 800 | 950 | 1050 |
| Motor H.P. Required | 1 | 2 | 3 | 5 | 7.5 | 10 | 15 | 20 | 25 |
| Weight Approx Kgs | 550 | 1100 | 1500 | 2800 | 4300 | 5700 | 7000 | 9000 | 11500 |

* All dimensions are in mm

# RHP

## H-Frame (Pillar) Power Press

### Standard Equipment

- Flywheel & Gear Guard
- Oil Cups & Self-Lubrication System
- Motor Pulley
- Knock Out System
- Slide Adj. Spanner
- A Pair Of Die Clamp
- Clutch Key

### Optional Equipment

- Pneumatic Clutch With Photo Safety Curtains
- Two Hand Operated Mechanical Device
- Auto Lubrication System
- Electrical Motor, Starter & V-Belt
- Stroke Counter
- Extra Base Plate
- Anti-vibration mount

**Frame Construction:** Mechanical H (Pillar) Type Power Press fabricated from IS-2062 graded rolled steel plates. Frame is deeply reinforced and fines machines after stress reliving. 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 and 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.

**Rolling Key Clutch:** Made of alloy steel for positive engagement and continues operation heavy three key ways. Single rolling key system is incorporated in the machine ensuring easy and efficient working of the machine.

**Gears:** Gears are of steel cast or fabricated. Gear teeth are generated by precision hobbing machine.

**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.

**Lubrication:** Single shot lubricator provides oil to all the lubrication points, where necessary. Thus all bearing parts and guide surface etc.

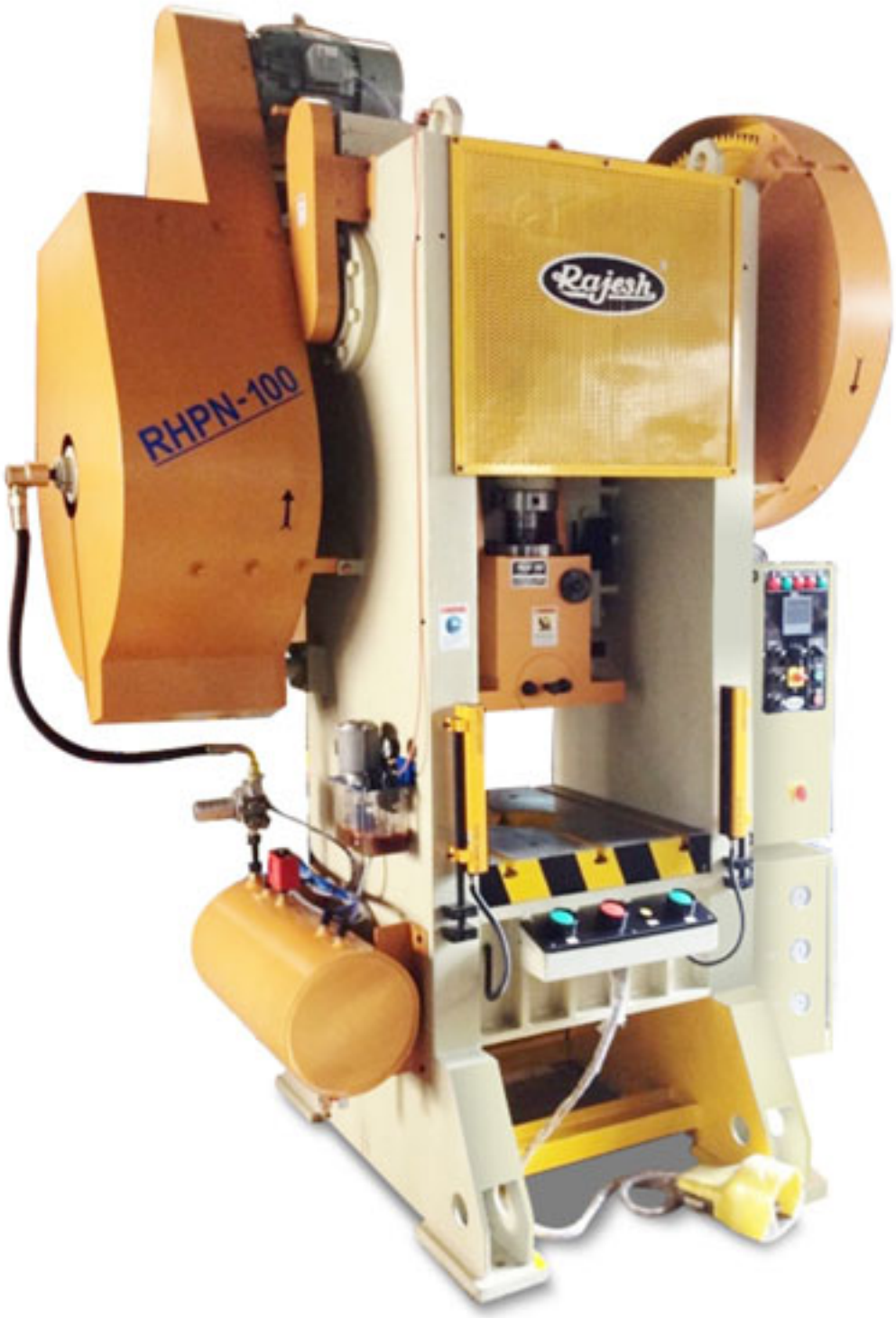
## Technical Parameters

| Model No. | Tone | RHP-10T | RHP-20T | RHP-30T | RHP-50T | RHP-75T | RHP-100T | RHP-150T | RHP-200T | RHP-250T |
|---|---|---|---|---|---|---|---|---|---|---|
| Tonnage | m.m. | 10 | 20 | 30 | 50 | 75 | 100 | 150 | 200 | 250 |
| Storke Adjustment | m.m. | 6-51 | 10-76 | 10-76 | 13-102 | 13-115 | 13-127 | 13-140 | 13-152 | 13-165 |
| Adjustment of Ram | m.m. | 25 | 38 | 38 | 45 | 45 | 51 | 51 | 51 | 51 |
| Crank Shaft Dia (At Main Bearing) | m.m. | 63 | 76 | 83 | 95 | 115 | 127 | 152 | 160 | 165 |
| Bed Ram | m.m. | 215 | 255 | 290 | 355 | 375 | 420 | 445 | 470 | 485 |
| Hole in Ram | m.m. | 25.4 | 32 | 38 | 38 | 45 | 51 | 51 | 63 | 63 |
| Size Of Bed (LR.×FB.) | m.m. | 355×460 | 457×508 | 508×559 | 559×610 | 610×813 | 660×762 | 711×914 | 762×965 | 812×1016 |
| Opening in Bed | m.m. | 82 | 89 | 108 | 132 | 203 | 210 | 222 | 236 | 300 |
| Thinkness of Bolester | m.m. | 55 | 63 | 63 | 76 | 89 | 102 | 102 | 115 | 127 |
| Opening in Bolester | m.m. | 76 | 82 | 102 | 125 | 198 | 203 | 215 | 230 | 250 |
| Fly Wheel Die | m.m. | 425 | 508 | 558 | 660 | 812 | 914 | 1016 | 1065 | 1220 |
| Storke per Minute | Nos. | 70 | 60 | 60 | 55 | 50 | 40 | 30 | 30 | 25 |
| Ele.Motor (1440 Rpm) | H.P. | 1 | 2 | 3 | 5 | 7.5 | 10 | 15 | 20 | 25 |
| Floor to Top of bed | m.m. | 720 | 750 | 750 | 800 | 875 | 863 | 863 | 863 | 863 |
| Height | m.m. | 1450 | 1650 | 2050 | 2650 | 3125 | 3375 | 3350 | 3975 | 4125 |
| Left to Right | m.m. | 610 | 725 | 775 | 1050 | 1225 | 1425 | 1650 | 1975 | 2120 |
| Front Back | m.m. | 775 | 925 | 1025 | 1350 | 1625 | 1875 | 2050 | 2250 | 2300 |

* All dimensions are in mm

# RHPN

## H-Frame (Pillar) Pneumatic Press




### Standard Equipment

- Pneumatic dry clutch
- "Crompton / Siemens" Make Electric Motor
- Electric Control Panel and Pneumatic Control Panel
- Inching Stroke, Single Stroke & Auto Stroke
- Emergency Switch
- Front Two Both Hand Operating Panel
- Foot Switch
- Production Counter
- Motorized Grease Lubrication Pump
- Extra Air Outlet

### Optional Equipment

- Variable Stroke
- Pneumatic Die Cushion
- Photo Safety Curtain
- Variable Speed
- Anti-Vibration Mounts
- Extra Base Plate

**Frame Construction:** H Frame (Pillar) Pneumatic Press fabricated from IS-2062 graded rolled steel plates. Frame is deeply reinforced and fines machines after stress reliving. 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 and 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.

**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.

**Dual Safety Valve:** The interlock mechanism on the dual valve keeps the clutch and brake from mis-actuation when valve is default.

**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.

## Technical Parameters

| Model No. | RHPN-10T | RHPN-20T | RHPN-30T | RHPN-50T | RHPN-75T | RHPN-100T | RHPN-150T | RHPN-200T | RHPN-250T |
|---|---|---|---|---|---|---|---|---|---|
| Tonnage | 10 | 20 | 30 | 50 | 75 | 100 | 150 | 200 | 250 |
| Crank Shaft Diameter | 60 | 76 | 83 | 105 | 121 | 134 | 152 | 158 | 165 |
| Stroke Length | 50 | 75 | 75 | 100 | 115 | 125 | 150 | 175 | 200 |
| Stroke Adjustment | 6-50 | 13-75 | 13-75 | 13-100 | 13-115 | 13-125 | 13-150 | Fixed | Fixed |
| Bed size | 350x450 | 450x550 | 500x550 | 550x600 | 600x800 | 650x850 | 700x900 | 750x950 | 800x1050 |
| Distance Bed to Ram | 200 | 280 | 300 | 400 | 450 | 475 | 500 | 525 | 550 |
| Hole in Ram | 25 | 32 | 38 | 38 | 45 | 50 | 55 | 65 | 70 |
| Hole in Bed | 75 | 80 | 90 | 125 | 150 | 175 | 200 | 225 | 250 |
| Fly Wheel Diameter | 435 | 550 | 660 | 580 | 680 | 720 | 800 | 950 | 1050 |
| Motor H.P. Required | 1 | 2 | 3 | 5 | 7.5 | 10 | 15 | 20 | 25 |
| Weight Approx Kgs | 550 | 1100 | 1500 | 2800 | 4300 | 5700 | 7000 | 9000 | 11500 |

* All dimensions are in mm

# RX

## Cross Shaft Precision Press (Dry Clutch)

### Standard Equipment

- Pneumatic Dry Clutch
- PLC Control With Fault Finding System
- Auto Grease Lubrication System
- Motorized Slide Adj.
- Knock Out System
- Die Height Indicator
- Counter Balancer of Slide
- Anti-repeat Safety Device
- Air Outlet / Miss-Feed Detector Socket
- Rotary Cam Limit Switch
- Electric Control Panel and Production Counter
- Operation & Maintenance Manual
- SMC/FESTO Make FRL & Pneumatic Fitting
- ROSS/ Toyoki Japan Make Dual Solenoid Valve

### Optional Equipment

- Power Take Off Shaft
- Pneumatic Die Cushion
- Variable Speed Drive
- Photo Safety Curtains
- Variable Stroke Adj.
- Quick Die Changer
- Extra Base Plate
- Inclinable Type
- Anti-Vibration Mount

**Frame Construction:** Cross Shaft Precision Press fabricated from IS-2062 graded rolled steel plates. Frame is deeply reinforced and fines machines after stress reliving. 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.

**High Precision Transmission Gear:** The high accurately machined gear system provides smooth and silent operation.

**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.

**Long Hexagonal Gibs:** Durable alloy bronze lining fixed directly on the frame without the defect of losing adjusting bolts. Durable lining can also maintain high accuracy and extend the life of tooling.

**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.

**Motorized Slide Adjusting Device:** The Motorized slide adjusting device is adopted with a thin brake motor and operated with push buttons. It provides stable positioning accuracy and quick adjustment.

**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.

**Auto Lubrication System:** The auto lubrication system with default monitor ensures high reliable operation.

**Dual Safety Valve:** The interlock mechanism on the dual valve keeps the clutch and brake from mis-actuation when valve is default.

**Die Height Indicator:** Motorized slide adjusting devise fitted with 0.1 mm increment digital die height indicator.

**Hydraulic Overload Protector:** The Hydraulic overload protector is installed to prevent the overloading from exceeding the rating capacity tonnage and protect press and tooling from damage. The simple resetting process makes the restart operation easily.

**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.

# Technical Parameters

| Specification | | RX-35 | | | RX-45 | | | RX-63 | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | NG | HG | SG | NG | HG | SG | NG | HG | SG |
| Nominal Capacity | KN | 350 | | | 450 | | | 630 | | |
| Fix stroke | mm | 40 | 40 | 90 | 50 | 50 | 110 | 50 | 50 | 130 |
| Adjustable Stroke | mm | 8-80 | 8-80 | 8-88 | 8-50 | 8-50 | 8-88 | 8-50 | 8-50 | 8-100 |
| SPM (Fix) | Per Min | 150 | 130 | 80 | 140 | 120 | 70 | 130 | 100 | 60 |
| SPM (Variable) | Per min | 100-200 | 80-170 | 60-90 | 100-180 | 80-160 | 50-80 | 100-160 | 70-150 | 40-70 |
| Rating Point | mm | 1.2 | 2.3 | 3.2 | 1.5 | 2.3 | 3.2 | 1.5 | 2.3 | 4 |
| Die Height | mm | 250 | | | 270 | | | 300 | | |
| Slide Adjustment | mm | 50 | | | 60 | | | 70 | | |
| Slide Area | mm | 380×300 | | | 430×350 | | | 500×400 | | |
| Shank Hole | mm | 50.8 | | | 50.8 | | | 50.8 | | |
| Bolster Area | mm | 780×400 | | | 840×440 | | | 900×520 | | |
| Bolster Thickness | mm | 85 | | | 110 | | | 120 | | |
| Floor to top of bolster | mm | 800 | | | 800 | | | 860 | | |
| Clear distance between uprights | mm | 490 | | | 495 | | | 580 | | |
| Main Motor | HP x Poles | 3×4 | | | 5×4 | | | 7.5×4 | | |
| Variable Motor | HP x Poles | 5×4 | | | 7.5×4 | | | 10×4 | | |
| Slide adj. motor | HP | - | | | - | | | 0.4 | | |
| Front Size | mm | 830×1130 | 830×1130 | 830×1130 | 855×1245 | 855×1295 | 855×1290 | 990×1420 | 990×1420 | 990×1420 |
| Front size adjustment (A×B) | mm | 830×1220 | 830×1130 | 830×1130 | 855×1245 | 855×1295 | 855×1315 | -- | 990×1420 | 990×1420 |
| Position of anchor bolts fix (M×N) | mm | 740×1000 | 740×1000 | 740×1000 | 765×1125 | 765×1175 | 770×1195 | 890×1180 | 890×1180 | 890×1350 |
| Position of Anchor Bolts adjustment | mm | 740×1100 | 740x1030 | 470x1030 | 765×1125 | 765×1195 | 165×1215 | -- | 890×1180 | 890×1350 |
| Floor space reqd. fixed (W×L×H) | mm | 1230×1430 x2225 | 1230×1430 ×2180 | 1230×1430 ×2180 | 1255×1585 ×2351 | 1255×1595 ×2255 | 1260×1590 ×2285 | 1390×1170 ×2600 | 1390×1720 ×2540 | 1390×1770 ×2600 |
| Adjustable (W×L×H) | mm | 1230×1520 x2255 | 1230×1430 ×2170 | 1230×1430 ×2170 | 1255×158 5×2370 | 1255×1615 ×2245 | 1260×1590 ×2265 | -- | 1390×1720 ×2575 | 1390×1770 ×2600 |
| **Die Cushion** | | | | | | | | | | |
| Capacity | Ton | 3.5 | | | 3.5 | | | 6 | | |
| Stroke Length | mm | 50 | | | 50 | | | 70 | | |
| Pressure pad area | mm | 300×210 | | | 300×210 | | | 380×260 | | |

* All dimensions are in mm

| Specification | | RX-80 | | RX-110 | | RX-160 | | RX-200 | | RX-250 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | HG | SG | HG | SG | HG | SG | HG | SG | HG | SG |
| Nominal Capacity | KN | 80 | | 110 | | 160 | | 200 | | 250 | |
| Fix stroke | mm | 60 | 150 | 70 | 160 | 80 | 200 | 90 | 220 | 100 | 250 |
| Adjustable Stroke | mm | 8–60 | 8–100 | 8–70 | 8–125 | – | 8–160 | – | – | – | 20–160 |
| SPM (Fix) | Per Min | 100 | 60 | 80 | 50 | 80 | 40 | 65 | 35 | 55 | 30 |
| SPM (Variable) | Per min | 60-130 | 40-70 | 60-120 | 35-60 | 50-100 | 30-50 | 40-80 | 25-45 | 30-70 | 25-40 |
| Rating Point | mm | 3 | 4.5 | 3 | 5 | 3.5 | 6 | 3.5 | 6 | 4 | 6 |
| Die Height | mm | 330 | | 360 | | 400 | | 450 | | 450 | |
| Slide Adjustment | mm | 80 | | 90 | | 100 | | 110 | | 120 | |
| Slide Area | mm | 560×460 | | 650×520 | | 720×580 | | 860×650 | | 960×720 | |
| Shank Hole | mm | 50.8 | | 63 | | 65 | | 80 | | 80 | |
| Bolster Area | mm | 1050×600 | | 1150×680 | | 1250×780 | | 1400×840 | | 1500×900 | |
| Bolster Thickness | mm | 140 | | 140 | | 160 | | 180 | | 180 | |
| Floor to top of bolster | mm | 900 | | 900 | | 900 | | 1000 | | 1000 | |
| Clear distance between uprights | mm | 620 | | 670 | | 760 | | 900 | | 940 | |
| Main Motor | HP x Poles | 7.5×4 | | 10×4 | | 15×4 | | 20×4 | | 25×4 | |
| Variable Motor | HP x Poles | 15×4 | | 15×4 | | 20×4 | | 25×4 | | 30×4 | |
| Slide adj. motor | HP | 0.4 | | 0.4 | | 0.75 | | 1.5 | | 1.5 | |
| Front Size | mm | 1030×1475 | 1030×1475 | | 1160×1680 | 1300×1985 | 1300×1985 | 1480×2140 | 1480×2140 | 1600×2450 | 1610×2450 |
| Front size adjustment (A×B) | mm | 1030×1475 | 1030×1475 | -- | 1160×1680 | -- | 1300×1985 | -- | 1480×2140 | -- | 1610×2450 |
| Position of anchor bolts fix (M×N) | mm | 930×1345 | 930×1355 | -- | 1060×1380 | 1180×1655 | 1180×1655 | 1360×1755 | 1360×1755 | 1470×2060 | 1470×2060 |
| Position of Anchor Bolts adjustment | mm | 930×1345 | 930×1355 | -- | 1060×1380 | -- | 1180×1655 | -- | 1360×1755 | -- | 1470×2060 |
| Floor space reqd. fixed (W×L×H) | mm | 1430×1775 ×2600 | 1430×1775 ×2765 | -- | 1560×1980 ×3015 | 1700×2285 ×3015 | 1700×2285 ×3330 | 1880×2440 ×3650 | 1880×2440 ×3730 | 2010×2760 ×3990 | 2010×2760 ×4080 |
| Adjustable (W×L×H) | mm | 1430×1775 ×2680 | 1430×1775 ×2765 | -- | 1560×1980 ×3015 | -- | 1700×2285 ×3330 | -- | 1880×2440 ×3730 | -- | 2010×2760 ×4080 |
| **Die Cushion** | | | | | | | | | | | |
| Capacity | Ton | 6 | | 8 | | 10 | | 14 | | 14 | |
| Stroke Length | mm | 70 | | 90 | | 100 | | 110 | | 120 | |
| Pressure pad area | mm | 410×260 | | 480×300 | | 540×340 | | 640×440 | | 740×540 | |

* All dimensions are in mm

# RXW

## Cross Shaft Precision Press (Wet Clutch)

### Standard Equipment

- Pneumatic Wet Clutch
- PLC Control With Fault Finding System
- Auto Grease Lubrication System
- Motorized Slide Adj.
- Knock Out System
- Die Height Indicator
- Counter Balancer of Slide
- Anti-repeat Safety Device
- Air Outlet / Miss-Feed Detector Socket
- Rotary Cam Limit Switch
- Electric Control Panel and Production Counter
- Operation & Maintenance Manual
- SMC/FESTO Make FRL & Pneumatic Fitting
- ROSS/ Toyoki Japan Make Dual Solenoid Valve

### Optional Equipment

- Power Take Off Shaft
- Pneumatic Die Cushion
- Variable Speed Drive
- Photo Safety Curtains
- Variable Stroke Adj.
- Quick Die Changer
- Extra Base Plate
- Inclinable Type
- Anti-Vibration Mount

**Frame Construction:** Cross Shaft Precision Press fabricated from IS-2062 graded rolled steel plates. Frame is deeply reinforced and fines machines after stress reliving. 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.

**High Precision Transmission Gear:** The high accurately machined gear system provides smooth and silent operation.

**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.

**Long Hexagonal Gibs:** Durable alloy bronze lining fixed directly on the frame without the defect of losing adjusting bolts. Durable lining can also maintain high accuracy and extend the life of tooling.

**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.

**Motorized Slide Adjusting Device:** The Motorized slide adjusting device is adopted with a thin brake motor and operated with push buttons. It provides stable positioning accuracy and quick adjustment.

**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.

**Auto Lubrication System:** The auto lubrication system with default monitor ensures high reliable operation.

**Dual Safety Valve:** The interlock mechanism on the dual valve keeps the clutch and brake from mis-actuation when valve is default.

**Die Height Indicator:** Motorized slide adjusting devise fitted with 0.1 mm increment digital die height indicator.

**Hydraulic Overload Protector:** The Hydraulic overload protector is installed to prevent the overloading from exceeding the rating capacity tonnage and protect press and tooling from damage. The simple resetting process makes the restart operation easily.

**Pneumatic wet clutch:** Multi-plate, Low initial design for quick response operation. High intermittent allowance for robot automatic operation. No pollution and low noise correspond the future environmental requirement.

# RXW

## Cross Shaft Precision Press (Wet Clutch)

### Technical Parameters

| Specification | | | Unit | RXW-25 | RXW-45 | RXW-60 |
|---|---|---|---|---|---|---|
| Nominal Capacity | | Pe | KN | 250 | 450 | 600 |
| Nominal | | Sp | mm | 3 | 4 | 4 |
| Stroke | | S | mm | 80 | 120 | 140 |
| SPM | Fixed | n | Times/min | 100 | 80 | 70 |
| | Variable | | Times/min | 60-120 | 50-95 | 45-85 |
| Die Height | | H2 | mm | 250 | 270 | 300 |
| Die Height Adjustment | | n | mm | 50 | 60 | 70 |
| Throat Depth | | C1 | mm | 210 | 225 | 270 |
| Clear Distance Between Uprights | | d1 | mm | 450 | 515 | 560 |
| Slide Bottom Size | LxR | a | mm | 360 | 410 | 480 |
| | FxB | b | mm | 250 | 340 | 400 |
| Shank Hole Size | Dia | d | mm | 40 | 50 | 50 |
| | Depth | l | mm | 65 | 60 | 70 |
| Bolster Thicknees | LxR | c | mm | 720 | 825 | 930 |
| | FxB | D | mm | 400 | 440 | 520 |
| Blanking Hole Diameter | | Φ | mm | 150 | 150 | 150 |
| Bolster Thicknees | | H3 | mm | 80 | 110 | 130 |
| Floor to Bolster | | H1 | mm | 780 | 800 | 900 |
| Overall Dimensions | FxB | A | mm | 1500 | 1585 | 1540 |
| | LxR | B | mm | 945 | 1075 | 1200 |
| | H | H | mm | 2120 | 2390 | 2570 |
| Distance Between Foundation Bolts | FxB | b' | mm | 980 | 1075 | 1100 |
| | LxR | a' | mm | 690 | 760 | 840 |
| Motor | Power | | KW | 3 | 5.5 | 5.5 |
| Weight (Approximate) | | | Kg | 2450 | 3550 | 5150 |

* All dimensions are in mm

| RXW-80 | RXW-100 | RXW-125 | RXW-160 | RXW-200 | RXW-250 | RXW-315 | RXW-400 |
|---|---|---|---|---|---|---|---|
| 800 | 1000 | 1250 | 1600 | 2000 | 2500 | 3150 | 4000 |
| 5 | 5 | 6 | 6 | 6 | 6.5 | 7 | 8 |
| 160 | 160 | 180 | 200 | 220 | 220 | 220 | 250 |
| 60 | 55 | 50 | 45 | 45 | 30 | 30 | 30 |
| 40-75 | 35-65 | 35-65 | 30-55 | 30-55 | 20-35 | 20-35 | 20-35 |
| 320 | 335 | 350 | 400 | 450 | 500 | 500 | 550 |
| 80 | 90 | 90 | 100 | 110 | 120 | 120 | 120 |
| 310 | 330 | 350 | 400 | 430 | 450 | 450 | 490 |
| 610 | 670 | 670 | 736 | 910 | 980 | 980 | 1050 |
| 540 | 620 | 620 | 700 | 880 | 950 | 950 | 1020 |
| 460 | 520 | 520 | 580 | 650 | 700 | 700 | 750 |
| 50 | 70 | 70 | 70 | 70 | 70 | 70 | 70 |
| 65 | 90 | 90 | 100 | 100 | 130 | 130 | 130 |
| 950 | 1060 | 1100 | 1175 | 1390 | 1500 | 1540 | 1700 |
| 600 | 640 | 680 | 760 | 840 | 880 | 880 | 950 |
| 180 | 180 | 200 | 220 | 250 | 270 | 270 | 290 |
| 140 | 145 | 155 | 165 | 180 | 190 | 190 | 210 |
| 900 | 900 | 900 | 900 | 1000 | 1000 | 1000 | 1100 |
| 1765 | 2000 | 2040 | 2305 | 2600 | 2660 | 2720 | 2850 |
| 1200 | 1300 | 1320 | 1420 | 1540 | 1640 | 1680 | 1750 |
| 2725 | 3010 | 3035 | 3215 | 3800 | 3850 | 3850 | 4140 |
| 1210 | 1365 | 1430 | 1665 | 2020 | 2100 | 2140 | 2185 |
| 920 | 1020 | 1040 | 1140 | 1360 | 1460 | 1500 | 1570 |
| 7.5 | 7.5 | 11 | 15 | 18.5 | 22 | 30 | 37 |
| 6450 | 8650 | 9550 | 13600 | 19200 | 23200 | 26600 | 29500 |

* All dimensions are in mm

# RSDP

## Single Crank Double Point Pneumatic Press

## Standard Equipment

- Pneumatic Clutch
- PLC Control With Fault Finding System
- Auto Grease Lubrication System
- Motorized Slide Adj.
- Knock Out System
- Die Height Indicator
- Counter Balancer of Slide
- Anti-repeat Safety Device
- Air Outlet / Miss-Feed Detector Socket
- Rotary Cam Limit Switch
- Electric Control Panel and Production Counter
- Operation & Maintenance Manual
- SMC/FESTO Make FRL & Pneumatic Fitting
- ROSS/ Toyoki Japan Make Dual Solenoid Valve

## Optional Equipment

- Power Take Off Shaft
- Pneumatic Die Cushion
- Variable Speed Drive
- Photo Safety Curtains
- Variable Stroke Adj.
- Quick Die Changer
- Extra Base Plate
- Inclinable Type
- Anti-Vibration Mount

**Frame Construction:** Single Crank Double Point Pneumatic Press fabricated from IS-2062 graded rolled steel plates. Frame is deeply reinforced and fines machines after stress reliving. 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.

**High Precision Transmission Gear:** The high accurately machined gear system provides smooth and silent operation.

**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.

**Long Hexagonal Gibs:** Durable alloy bronze lining fixed directly on the frame without the defect of losing adjusting bolts. Durable lining can also maintain high accuracy and extend the life of tooling.

**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.

**Motorized Slide Adjusting Device:** The Motorized slide adjusting device is adopted with a thin brake motor and operated with push buttons. It provides stable positioning accuracy and quick adjustment.

**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.

**Auto Lubrication System:** The auto lubrication system with default monitor ensures high reliable operation.

**Dual Safety Valve:** The interlock mechanism on the dual valve keeps the clutch and brake from mis-actuation when valve is default.

**Die Height Indicator:** Motorized slide adjusting devise fitted with 0.1 mm increment digital die height indicator.

**Hydraulic Overload Protector:** The Hydraulic overload protector is installed to prevent the overloading from exceeding the rating capacity tonnage and protect press and tooling from damage. The simple resetting process makes the restart operation easily.

**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.

## Technical Parameters

| Type | RSDP-110 | RSDP-160 | RSDP-200 | RSDP-250 | RSDP-315 |
|---|---|---|---|---|---|
| Capacity in Tons | 110 Ton | 160 Ton | 200 Ton | 250 Ton | 315 Ton |
| Stroke (Fixed) Std. | 120 | 160 | 160 | 160 | 250 |
| Variable(Optional) | 10-120 | 10-160 | 10-160 | 10-160 | 10-160 |
| Area of Bolster (LR x FB) | 740 x 680 | 820 x 760 | 820 x 760 | 1020 x 850 | 1250 x 1250 |
| Thickness of Bolster | 100 | 120 | 120 | 150 | 150 |
| Shut Height (SDAU) | 450 | 500 | 500 | 550 | 600 |
| Ram Area | 650 x 500 | 700 x 550 | 700 x 550 | 850 x 630 | 1000 x 800 |
| Ram Adjustment | 80 | 90 | 90 | 100 | 125 |
| Floor to Top of Bolster | 900 | 900 | 900 | 1000 | 1000 |
| Stroke Per Minute | 40 | 30 | 30 | 25 | 25 |
| Floor Space Required | 1120 x 1490 | 1220 x 1600 | 1220 x 1600 | 1490 x 1790 | 1740 x 1900 |
| Main Motor | 10HP | 15HP | 20HP | 25HP | 30HP |
| Slide Adjustment Motor | 0.75 | 1 | 1 | 1.5 | 2 |
| Over all Height | 3100 | 3290 | 3290 | 3600 | 4500 |
| Approx. Weight | 6000 | 8000 | 10000 | 18000 | 24000 |

* All dimensions are in mm

# RHSP

## High Speed Press

## Standard Equipment

- Pneumatic Clutch
- PLC Control With Fault Finding System
- Auto Grease Lubrication System
- Motorized Slide Adj.
- Knock Out System
- Die Height Indicator
- Counter Balancer of Slide
- Anti-repeat Safety Device
- Air Outlet / Miss-Feed Detector Socket
- Rotary Cam Limit Switch
- Electric Control Panel and Production Counter
- Operation & Maintenance Manual
- SMC/FESTO Make FRL & Pneumatic Fitting
- ROSS/ Toyoki Japan Make Dual Solenoid Valve

## Optional Equipment

- Power Take Off Shaft
- Pneumatic Die Cushion
- Variable Speed Drive
- Photo Safety Curtains
- Variable Stroke Adj.
- Quick Die Changer
- Extra Base Plate
- Inclinable Type
- Anti-Vibration Mount

**Frame Construction:** High Speed Press fabricated from IS-2062 graded rolled steel plates. Frame is deeply reinforced and fines machines after stress reliving. 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.

**High Precision Transmission Gear:** The high accurately machined gear system provides smooth and silent operation.

**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.

**Long Hexagonal Gibs:** Durable alloy bronze lining fixed directly on the frame without the defect of losing adjusting bolts. Durable lining can also maintain high accuracy and extend the life of tooling.

**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.

**Motorized Slide Adjusting Device:** The Motorized slide adjusting device is adopted with a thin brake motor and operated with push buttons. It provides stable positioning accuracy and quick adjustment.

**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.

**Auto Lubrication System:** The auto lubrication system with default monitor ensures high reliable operation.

**Dual Safety Valve:** The interlock mechanism on the dual valve keeps the clutch and brake from mis-actuation when valve is default.

**Die Height Indicator:** Motorized slide adjusting devise fitted with 0.1 mm increment digital die height indicator.

**Hydraulic Overload Protector:** The Hydraulic overload protector is installed to prevent the overloading from exceeding the rating capacity tonnage and protect press and tooling from damage. The simple resetting process makes the restart operation easily.

**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.

## Technical Parameters

| Model No. | RHSP-10 | RHSP-20 | RHSP-30 | RHSP-50 | RHSP-75 | RHSP-100 |
|---|---|---|---|---|---|---|
| Capacity US Tons | 10 | 20 | 30 | 50 | 75 | 100 |
| Stroke Length | 20 | 25 | 32 | 38 | 45 | 50 |
| Stroke per Minute | 90 – 400 | 80 – 350 | 70 – 300 | 60 – 250 | 50 – 225 | 40 – 200 |
| Bed to Ram | 200 | 225 | 250 | 300 | 325 | 350 |
| Slide Adjustment | 25 | 32 | 38 | 45 | 50 | 65 |
| Slide Area | 350 x 350 | 400 x 400 | 450 x 450 | 500 x 500 | 550 x 550 | 600 x 600 |
| Bolster Area | 400 x 400 | 450 x 450 | 500 x 500 | 600 x 600 | 650 x 650 | 700 x 700 |
| Bolster Thickness | 50 | 65 | 70 | 75 | 90 | 100 |
| Main Motor HP | 2 x 4 | 3 x 4 | 5 x 4 | 7.5 x 4 | 10 x 4 | 12.5 x 4 |
| Slide Adjustment Motor HP | 0.25 x 4 | 0.5 x 4 | 0.5 x 4 | 0.5 x 4 | 0.5 x 4 | 0.5 x 4 |

* All dimensions are in mm

# RHCP

## C-Frame Hydraulic Press

### Standard Equipment

- Variable Stroke Adjustment With Limit Switch
- Front Operator Control Box
- Movable Foot Switch
- Photo Safety Curtain
- Stroke Counter
- Operation & Maintenance Manual

### Optional Equipment

- PLC System With HMI
- Remote Diagnostics
- Die Table
- Die Loader
- Die Clamping
- Pressure Strip
- Die Cushion

**Frame Construction:** Frame is fabricated from IS-2062 graded rolled steel plates table and cutting beam are deeply reinforced and fines machines after stress reliving. 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 / steel fabricated and properly seasoned. They are perfectly aligned, to each other to obtain high accuracy and precession press operation.

**Cylinder:** The cylinder bodies are precisely made from forged steel material duly bored and fine honed for long sealing life. The piston rods are made From EN – 8 material having low carbon contents. The piston rod is hard chrome platted (0.200 micron).

**Hydraulic System:** The compact Blocks eliminate the leakage chances and also reduces the hydraulic pipes. This low Noise hydraulic system is placed on the rear side of machine, on top between two side plates. Pressure relief value is provided to safe guard the system and Machine from overload. The hydraulic system is driven by an electric motor of reputed brand and is coupled with a pump capable of generating more than the required pressure. Pressure gauge for system pressure, back pressure and holding pressure are providing on top of oil tank for quick reference.

**Electrical Control Panel:** The electric control panel is located on the left hand side of the machine. It is assembled from the internationally reputed parts for consistent performance, reliability and availability, if needed to be replaced. It is wired cleanly and labelled/ferruled properly as per the international practices to help easily locate any fault and replace components conveniently.

## Technical Parameters

| Model No. | | RHCP-10 | RHCP-20 | RHCP-30 | RHCP-50 | RHCP-80 | RHCP-100 | RHCP-150 | RHCP-200 | RHCP-300 |
|---|---|---|---|---|---|---|---|---|---|---|
| Capacity | Tonnage | 10 | 20 | 30 | 50 | 80 | 100 | 150 | 200 | 300 |
| Motor | HP | 2 | 3 | 5 | 7.5 | 10 | 10 | 15 | 20 | 30 |
| Stroke | mm | 250 | 300 | 350 | 350 | 400 | 400 | 500 | 600 | 700 |
| Size of Slide | mm | 400×350 | 500×400 | 600×450 | 700×650 | 800×700 | 900×700 | 1100×725 | 1200×800 | 1400×900 |
| Size of table | mm | 500×400 | 600×450 | 700×500 | 800×600 | 900×600 | 1000×750 | 1200×800 | 1300×900 | 1500×1000 |
| Open Height | mm | 350 | 400 | 500 | 500 | 600 | 600 | 750 | 850 | 1000 |
| Gap | mm | 250 | 250 | 300 | 300 | 350 | 400 | 450 | 500 | 530 |
| Return speed | mm/Sec. | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 |
| Advance Speed | mm/Sec. | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| Working Speed | mm/Sec. | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| Weight | Kgs. | 1000 | 1600 | 2050 | 3500 | 4150 | 4800 | 6600 | 11000 | 13500 |

## Die Coushion (option)

| Capacity | Tone | 3 | 5 | 5 | 10 | 15 | 20 | 30 | 50 | 60 |
|---|---|---|---|---|---|---|---|---|---|---|
| Stroke | mm | 100 | 120 | 120 | 120 | 150 | 150 | 150 | 200 | 200 |
| Base Type Cushion | mm | | | | | 750 x 500 | 800 x 600 | 950 x 650 | 1100 x 750 | 1300 x 850 |

* All dimensions are in mm

# RHHP

## H-Frame Hydraulic Press

### Standard Equipment

- Variable Stroke Adjustment With Limit Switch
- Front Operator Control Box
- Movable Foot Switch
- Photo Safety Curtain
- Stroke Counter
- Operation & Maintenance Manual

### Optional Equipment

- PLC System With HMI
- Remote Diagnostics
- Die Table
- Die Loader
- Die Clamping
- Pressure Strip
- Die Cushion

**Frame Construction:** Frame is fabricated from IS-2062 graded rolled steel plates table and cutting beam are deeply reinforced and fines machines after stress reliving. 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 / steel fabricated and properly seasoned. They are perfectly aligned, to each other to obtain high accuracy and precession press operation.

**Cylinder:** The cylinder bodies are precisely made from forged steel material duly bored and fine honed for long sealing life. The piston rods are made From EN – 8 material having low carbon contents. The piston rod is hard chrome platted (0.200 micron).

**Hydraulic System:** The compact Blocks eliminate the leakage chances and also reduces the hydraulic pipes. This low Noise hydraulic system is placed on the rear side of machine, on top between two side plates. Pressure relief value is provided to safe guard the system and Machine from overload. The hydraulic system is driven by an electric motor of reputed brand and is coupled with a pump capable of generating more than the required pressure. Pressure gauge for system pressure, back pressure and holding pressure are providing on top of oil tank for quick reference.

**Electrical Control Panel:** The electric control panel is located on the left hand side of the machine. It is assembled from the internationally reputed parts for consistent performance, reliability and availability, if needed to be replaced. It is wired cleanly and labelled/ferruled properly as per the international practices to help easily locate any fault and replace components conveniently.

## Technical Parameters

| Models | Capacity (Tons) | Ram Size (mm) | Daylight (mm) | Slide Size LxW (mm) | Table Size L×W (mm) | Speeds (mm/Sec.) | | | Electric Motor (H.P.) | No. of Cylinders | Working Ht. (mm) | Working Pr. (Bar) | Weight of m/c (Approx) tons |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Approach | Pressing | Return | | | | | |
| RHHP-5 | 5 | 250 | 300 | 300x250 | 350×300 | 20-25 | 5-8 | 30 | 3 | 1 | 700 | 200 | 1 |
| RHHP-10 | 10 | 300 | 350 | 300x250 | 350×300 | 25-30 | 5-8 | 30 | 5 | 1 | 700 | 200 | 1.5 to 2 |
| RHHP-15 | 15 | 350 | 400 | 350x250 | 400×300 | 25-30 | 5-8 | 30-40 | 5 | 1 | 700 | 200 | 1.5 to 2 |
| RHHP-20 | 20 | 350 | 400 | 350x250 | 400×300 | 25 | 5-8 | 30 | 5 | 1 | 700 | 200 | 2 |
| RHHP-25 | 25 | 350 | 400 | 400x250 | 450×300 | 25 | 5-8 | 30 | 5 | 1 | 700 | 200 | 2.5 |
| RHHP-30 | 30 | 350 | 400 | 400x250 | 450×300 | 25 | 5-8 | 30 | 5 | 1 | 700 | 200 | 3 |
| RHHP-50 | 50 | 350 | 400 | 450x450 | 500×500 | 70 | 10-15 | 80 | 7.5 | 1+2 | 750 | 200 | 4 |
| RHHP-80 | 80 | 400 | 450 | 550x450 | 600×500 | 70 | 10-15 | 80 | 7.5 | 1+2 | 750 | 200 | 4 to 5 |
| RHHP-100 | 100 | 450 | 500 | 550x550 | 600×600 | 80 | 10-15 | 90 | 7.5 | 1+2 | 750 | 200 | 5 |
| RHHP-125 | 125 | 550 | 700 | 550x550 | 600×600 | 80 | 10-15 | 90 | 10 | 1+2 | 750 | 200 | 5 to 6 |
| RHHP-150 | 150 | 550 | 700 | 600x450 | 650×500 | 80 | 10-15 | 90 | 15 | 1+2 | 750 | 200 | 6 |
| RHHP-200 | 200 | 500 | 700 | 750x550 | 800×600 | 80 | 10-15 | 90 | 15 | 1+2 | 750 | 200 | 9 to 10 |
| RHHP-250 | 250 | 550 | 800 | 750x550 | 800×600 | 100 | 15-20 | 110 | 20 | 1+2 | 750 | 200 | 10 |
| RHHP-300 | 300 | 600 | 800 | 850x650 | 900×700 | 100 | 15-20 | 110 | 25 | 1+2 | 750 | 200 | 10 to 11 |
| RHHP-350 | 350 | 600 | 900 | 850x650 | 900×700 | 120 | 15-20 | 130 | 25 | 1+2 | 750 | 200 | 12 |
| RHHP-400 | 400 | 600 | 900 | 950x750 | 1000×800 | 120 | 15-20 | 130 | 30 | 1+2 | 750 | 200 | 12 to 13 |
| RHHP-500 | 500 | 700 | 1000 | 1150x750 | 1200×800 | 130 | 20-25 | 140 | 40 | 2+2 | 750 | 200 | 13 to 14 |
| RHHP-600 | 600 | 700 | 1000 | 1200x850 | 1250×900 | 130 | 20-25 | 140 | 40 | 2+2 | 800 | 200 | 16 to 18 |
| RHHP-700 | 700 | 700 | 1000 | 1200x850 | 1250×900 | 150 | 20-25 | 160 | 40 | 2+2 | 800 | 200 | 22 to 25 |
| RHHP-800 | 800 | 700 | 1000 | 1450x950 | 1500×1000 | 150 | 20-25 | 160 | 50 | 2+2 | 800 | 200 | 26 to 28 |
| RHHP-900 | 900 | 800 | 1200 | 1450x950 | 1500×1000 | 150 | 20-25 | 160 | 50 | 2+2 | 800 | 200 | 30 to 35 |
| RHHP-1000 | 1000 | 800 | 1200 | 1450x1150 | 1500×1200 | 180 | 20-25 | 200 | 75 | 2+2 | 800 | 200 | 35 to 40 |
| RHHP-1200 | 1200 | 1000 | 1500 | 1950x1450 | 2000×1500 | 180 | 20-25 | 200 | 75 | 3+4 | 800 | 200 | 45 |
| RHHP-1500 | 1500 | 1000 | 1500 | 1950x1450 | 2000×1500 | 200 | 30 | 210 | 100 | 3+4 | 800 | 200 | 50 |

* All dimensions are in mm

# RFPH

## Four Pillar Hydraulic Press

### Standard Equipment

- Variable Stroke Adjustment With Limit Switch
- Front Operator Control Box
- Movable Foot Switch
- Stroke Counter
- Operation & Maintenance Manual

### Optional Equipment

- PLC System With HMI
- Remote Diagnostics
- Die Table
- Die Loader
- Die Clamping
- Pressure Strip
- Die Cushion
- Photo Safety Curtain

**Frame Construction:** Frame is fabricated from IS-2062 graded rolled steel plates table and cutting beam are deeply reinforced and fines machines after stress reliving. 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 / steel fabricated and properly seasoned. They are perfectly aligned, to each other to obtain high accuracy and precession press operation.

**Cylinder:** The cylinder bodies are precisely made from forged steel material duly bored and fine honed for long sealing life. The piston rods are made From EN – 8 material having low carbon contents. The piston rod is hard chrome platted (0.200 micron).

**Hydraulic System:** The compact Blocks eliminate the leakage chances and also reduces the hydraulic pipes. This low Noise hydraulic system is placed on the rear side of machine, on top between two side plates. Pressure relief value is provided to safe guard the system and Machine from overload. The hydraulic system is driven by an electric motor of reputed brand and is coupled with a pump capable of generating more than the required pressure. Pressure gauge for system pressure, back pressure and holding pressure are providing on top of oil tank for quick reference.

**Electrical Control Panel:** The electric control panel is located on the left hand side of the machine. It is assembled from the internationally reputed parts for consistent performance, reliability and availability, if needed to be replaced. It is wired cleanly and labelled/ferruled properly as per the international practices to help easily locate any fault and replace components conveniently.

## Technical Parameters

| Model No. | | RFPH-10 | RFPH-10 | RFPH-30 | RFPH-50 | RFPH-80 | RFPH-100 | RFPH-150 | RFPH-200 | RFPH-300 |
|---|---|---|---|---|---|---|---|---|---|---|
| Capacity | Tonnage | 10 | 20 | 30 | 50 | 80 | 100 | 150 | 200 | 300 |
| Motor | HP | 2 | 3 | 5 | 7.5 | 10 | 10 | 15 | 20 | 30 |
| Stroke | mm | 300 | 350 | 400 | 500 | 500 | 600 | 600 | 750 | 750 |
| Size of Slide | mm | 500x500 | 600x600 | 700x700 | 800×800 | 1000x1000 | 1000×1000 | 1100×1100 | 1250x1250 | 1500x1500 |
| Size of table | mm | 500x500 | 600×600 | 700×700 | 800×800 | 1000x1000 | 1000×1000 | 1100x1100 | 1250x1250 | 1500×1500 |
| Shut Height | mm | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 250 | 250 |
| Day Light | mm | 400 | 450 | 500 | 600 | 600 | 700 | 700 | 1000 | 1000 |
| Return speed | mm/Sec. | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 |
| Advance Speed | mm/Sec. | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| Working Speed | mm/Sec. | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |

* All dimensions are in mm

# RDPM

## Hydraulic Workshop Press

- **Hand Operated**

- **Power Operated**

### Standard Equipment

- Front Operator Control Box
- Operation & Maintenance Manual

### Optional Equipment

- Die and Punch Tooling
- Anti-vibration mount
- Base Plate

**Frame Construction:** Frame is fabricated from IS-2062 graded rolled steel plates table and cutting beam are deeply reinforced and fines machines after stress reliving. 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.

**Cylinder:** The cylinder bodies are precisely made from forged steel material duly bored and fine honed for long sealing life. The piston rods are made From EN – 8 material having low carbon contents. The piston rod is hard chrome platted (0.200 micron).

**Hydraulic System:** The compact Blocks eliminate the leakage chances and also reduces the hydraulic pipes. This low Noise hydraulic system is placed on the rear side of machine, on top between two side plates. Pressure relief value is provided to safe guard the system and Machine from overload. The hydraulic system is driven by an electric motor of reputed brand and is coupled with a pump capable of generating more than the required pressure. Pressure gauge for system pressure, back pressure and holding pressure are providing on top of oil tank for quick reference.

## Technical Parameters

| Ton | Distance Between Two Column | Bed to Ram | Stroke Hand Operated | Stroke Power Operated | HP | Rod Size |
|---|---|---|---|---|---|---|
| 15 | 750 x 200 | 125 | 100 | 200 | 2 | 55 |
| 25 | 800 x 250 | 150 | 125 | 200 | 2 | 65 |
| 40 | 950 x 350 | 175 | 150 | 250 | 2 | 85 |
| 60 | 1000 x 400 | 175 | 150 | 250 | 3 | 100 |
| 80 | 1100 x 450 | 175 | 150 | 300 | 3 | 105 |
| 100 | 1200 x 600 | 175 | 150 | 300 | 3 | 125 |
| 150 | 1250 x 600 | 200 | | 350 | 5 | 150 |
| 200 | 1300 x 600 | 200 | | 350 | 5 | 200 |
| 250 | 1300 x 650 | 200 | | 400 | 7.5 | 200 |

* All dimensions are in mm

# Infrastructure

## Infrastructure and Installed Machinery

# Our Customers

## Overseas Customers

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Airmaster Equipments Emirates<br>UAE | AL JARSH MANUFACTURING<br>UAE | LAPWELL INDUSTRIES MARK OF QUALITY<br>KENYA | AEROWORKS<br>NETHERLANDS | CABROL GROUP<br>OMAN AND MUMBAI | ORION CABLE TRAYS FZ-LLC.<br>UAE | HADID AL KHOUDH<br>OMAN | AL MULLA GROUP<br>KUWAIT |
| Shayona Cement Corporation<br>MALAWI | T MECH THOMSUN INDUSTRIES LLC<br>UAE | TAMAYO<br>COLOMBIA | pwr Performance Products<br>AUSTRALIA | Altair Middle East FZE<br>UAE | GREEN SCOPE STEEL INDUSTRIES<br>UAE | TMI Technical Metal Industrial Co. L.L.C.<br>UAE | CHAINLINK FENCING CO. L.L.C.<br>OMAN |
| TECNALCO<br>UAE | CHALMERS<br>UAE | FABTECH<br>UAE | RIC REFRIGERATION INDUSTRIES<br>KUWAIT | KADRIS<br>UAE | GGC<br>SAUDI | TRILOGYFAB<br>UAE | ABST. ALI BABA STEEL TRADING FZCO<br>UAE |

## Indian Customers

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| TAL | TATA MOTORS | L&T | LG | Sintex | इसरो isro | Carrier | NIVAN DERUCHI |
| Alfa Laval Agri | भी एच ई एल BHEL | BATLIBOI | INDEL, INC. | KALPA-TARU POWER TRANSMISSION LIMITED | VIDEOCON | GABRIEL Gabriel India Limited | GUJARAT APOLLO |
| हिंदुस्तान HAL | hmti HMT (International) Limited | AGARWAL GROUP | Blow Plast Ergonomics | Apollo Equipmets India | B&W | Mahindra | POWERICA A PROMISE FOR POWER |
| | DIC INDIA LIMITED | T & I Limited | sudhir Powering the Nation | JK FILES & TOOLS | JYOTI | V.I.P. | RATNAMANI |
| GULF JYOTI ENTERNATIONAL | EVEREST Complete Building Solutions | JSW JSW Steel Ltd. | HOF | SHAKTIMAN MAKING AGRICULTURE MORE ECONOMICAL | RAJOO excellence in extrusion | ET ELECTROTHERM | Kirby |
| PYROTECH | HAVELLS | SIDDHARTH SMW | INOXCVA INOX India Ltd. | Haier | JSW Energy Lighting up a billion dreams | EVEREADY INDUSTRIES INDIA LTD. | and many more... |

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