

Four Column Press



The RHTC 80-ton Four Column Profi Press has four 80 mm chrome-plated columns ensuring that the top plate always remains parallel and comes with a 2-speed hydraulic unit that also implements an automatic high-speed disconnection. This 50 Ton Press can be operated in manual, semi-auto, and automatic modes and is controlled with a low-voltage foot pedal. A pressure switch and manometer that reads in tons are also standard with the machine. All RHTC Profi Presses operate at 320 bar or less guaranteeing a longer lasting and more durable press.

The machine has a useful table size of 900 x 850 mm and a distance between columns of 900 x 600 mm. Both the top and bottom plate have industry-standard T-Grooves suitable for attaching die systems and various tools, dies, jigs, fixtures, and other production apparatus. The main piston has an adjustable stroke controlled with end-switches which extends to a maximum of 450 mm and starts its pressing process with a maximum approach speed of 36 mm/s slowing down into a working speed of 5.3 mm/s. Once the cycle is complete the cylinder returns to the home position at a rate of 36 mm/s.

The work opening has a vertical shut height of 600 mm, which is then complemented by a bottom working table height of 800 mm.

PPMV-80

Technical Specifications

Force (Tons)	80
Motor (kw)	5.5
Working Speed (mm/sec)	6
Approach Speed (mm/sec)	25
Return Speed (mm/sec)	36
Piston Stroke (mm)	450
Guides Diameter (mm)	80
Useful Table Size (mm)	900 x 850
Between Columns (mm)	900 x 600
Vertical Daylight (mm)	600
Working Height (mm)	800
Total Length (mm)	1330
Total Frontal Width (mm)	1680
Total Height (mm)	2680
Weight (kg)	3400

Features

- Right and robust frame
- Upper and lower table
- T-grooves
- Four chrome cylinder columns
- Piston stroke easy adjustment
- Manual/Semi-auto/Auto modes
- Two cylinder speeds
- Pressure switch and manometer
- Foot pedal control
- Built in Europe
- CE Certified



Optional Accessories

- Proportional flow valve
- Siemens PLC SIMATIC S7
- Front table for lowering
- Robotics adaption
- Hydraulic accesories adapater
- High speed approach
- Hydraulic cushion
- Hydraulic ejector
- Hydraulic cooling system
- Added safety features