

Double Column Mechanical Press



If you want to carry out processes like stamping, cutting and deep-drawing work the Profi Press Mechanical Presses are the practical choice. RHTC high-performance presses are perfect for applications within many different industries and enable manufacturers to produce stamped components cost-effectively. Industries using such presses are the automotive, aerospace and railway industries in addition to many others.

RHTC produces these Mechanical Presses in Europe according to the most current machinery directives, and they are built only with high-quality components and S355JR steel.

The RHTC Double Column Mechanical Press series includes the PPMVS and PPMFS models. The PPMVS-models are built with one connecting rod and 6-guided rams alongside a programmable control system and tonnages from 100 to 400 tons. The PPMFS-models are manufactured with two connecting rods and 6-guided rams and a programmable control system. The available capacities are from 300 to 630 tons.

The sliding guide system offers maximum rigidity and holds the work surfaces' deformation to a minimum value. Within the press there is a highly advanced system of eccentric gears with an opposite rotation system. This gear system produces a double reduction in speed and long strokes. Central motorized lubrication ensures consistent system lubrication, and a central overload protection system is integrated. An electro-pneumatic clutch-brake combination adds to the overall safety of the press.

PPMVS-250

Technical Specifications

Pressure Force [tons]	250
Motor [kw]	18.5
Strokes Per Minute [spm]	40
Cylinder Stroke [mm]	20 to 150
Shut Height [mm]	500
Table to Ram [mm]	650
Ram Adjustment [mm]	0 to 120
Table Size [mm]	1100 x 1200
Ram Size [mm]	1100 x 1200
Table Height [mm]	1000
Total Length [mm]	2150
Total Width - Frontal [mm]	2700
Overall Height [mm]	4700
Power Requirement	400V, 50 Hz, 3-Phase

Optional Accessories are available such as an Inverter speed variation control, Die Ejector or Cushion, Lower Auxiliary Table, Stress gauge, or NC digital display. All features are customisable.

Features

- Prismatic & Sliding Guides
- Central Motorized Lubrication System
- Hydraulic Overload Protection
- Slide and Die Balancing: 2 Pneumatic Cylinders
- Electro-pneumatic Clutch/Brake: Dual Solenoid Valve
- Electro-pneumatic Clutch/Brake: Compensation Tank
- Electro-pneumatic Clutch/Brake: Regulator Lubrication
- Electro-pneumatic Clutch/Brake: Pressure Control Switch
- Eccentric Gearing: Double Speed Reduction
- Eccentric Gearing: Long Strokes
- Level IV safety light guards
- Programmable control system (PLC)
- Automatic ram adjustment
- Shut Height Indicator
- Mechanical Rotary Cam Limit Switch
- Magnetic Cam Limit Switch
- Inverter
- Anti-vibration Pads
- Palm Button/Foot Pedal Control

Manufactured in the **EU** and **CE Certified**