

ROSS & MOUNT

ACCURACY & RELIABILITY IN POWER

ROSS & MOUNT
ISO-STATIC COMPRESSION PRESS

ISCM-CLM—4 MP—800



FORCE CONTROL AND INTELLIGENCE IN FLUID POWER

Column Hydraulic Presses : Ross & Mount Column presses provide precise , durable and cost effective performance. The presses consist of Cardened rods made out of ST-52.3 carbon steel . Press is designed for wood processing and Pressing lines to incorporate in automatic production lines.

- Provided with a double acting cylinder (including anti-turning) with a chrome plunger and a removable and interchangeable hold-down plate to avoid deterioration of the piston. The cylinder is machined at the end for adapting tools or moulds.
- Hydraulic Over Load protection

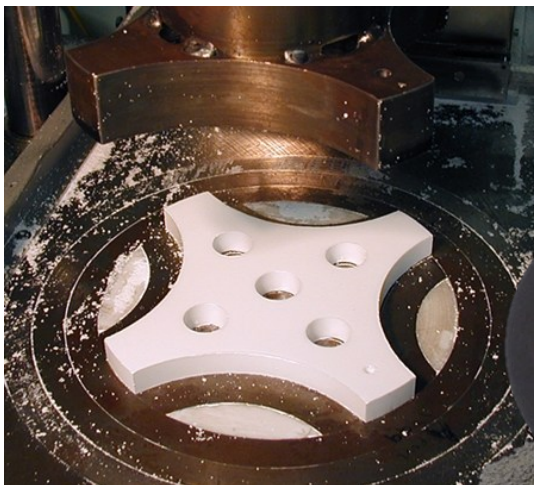
This hydraulic four column press from Ross has a force of 80 ton is built with four cylindrical columns to guarantee perfect alignment of the upper table. The size of the table of this 80 ton four column press is 750 x 650 mm, it has a vertical light of 800 mm and a piston stroke of 550 mm.

All four column presses from Ross comply with the latest CE-regulations, are made in Europe and have a warranty of one year. These hydraulic presses can be delivered with several options, so please do not hesitate to contact us when you need some more information.



Technical specifications

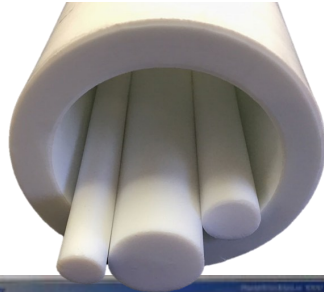
- Force [tn]: 80
- Motor power [kW]: 5,5
- Working speed [mm/sec]: 8
- Approaching speed [mm/sec]: 25
- Return speed [mm/sec]: 45
- Piston stroke [mm]: 550
- Guides diameter [mm]: 80
- Table size [mm]: 1000 x 850
- Between columns [mm]: 750 x 600
- Vertical light [mm]: 700
- Working height [mm]: 900
- Total height [mm]: 2.875
- Weight (standard) [kg]: 3.750
- Low weight Model (Kg): 2600



The Hydraulic Unit

The main cylinder is Double-acting with a lapping liner, chrome plunger and maintenance-free anti wear guides. A motorized hydraulic unit for approaching and returning and a fixed flow rate pump for working at constant speed.

It is equipped with a non-return valve, a pressure relief valve, a decompressing valve



Options :

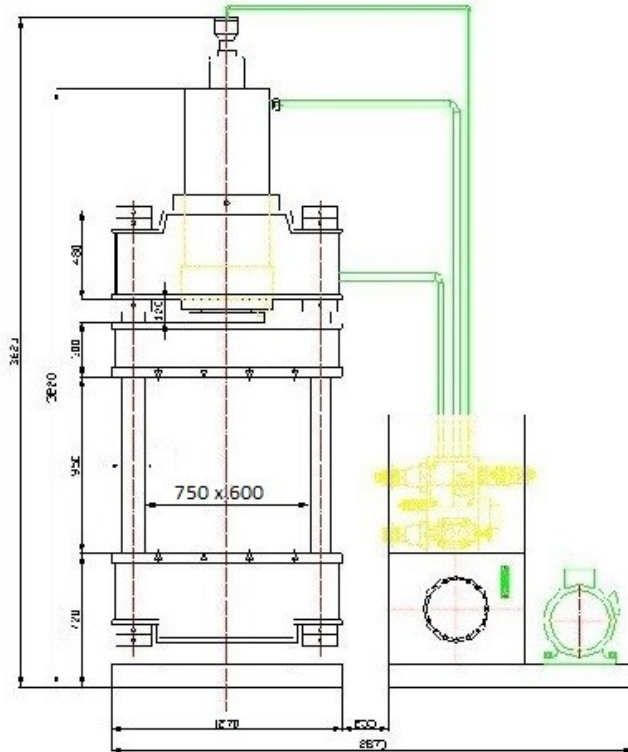
By displaying all press settings on a single screen, the touch screen control makes it easy to establish change, or verify set points. The Press Monitor screen lets you review actual stroke parameters and press performance while the press is in operation.

An auto set point feature lets you establish set points visually. Just jog the press to the desired position, touch the auto set point indicator, and the control automatically stores the actual press position as the new set point, eliminating the need to take measurements and enter the values.

Faster, Easier Adjustments

On most presses, making adjustments involves precise measurements, some guesswork, and several tries.

Adjustments with a touch screen control, however, are fast and easy and can be made with greater



Precise Control

The touch screen control provides exceptionally precise control. Ram position is track by an absolute zero linear transducer, which never needs calibrating(optional) The control can be easily integrated with a precision digital control system, which enables actual position accuracies of $\pm 0.02''$ and reversal at $\pm 4\%$ or specified tonnage. (optional)

Speeds Repeat Setups

Program stored in the control memory can be called up instantly using the Program Utilities function. If the job is an exact rerun of a prior job, the program can be run as is. If minor changes or modifications are required, the program can be quickly and easily edited for onetime use or edited and then stored for future reuse.



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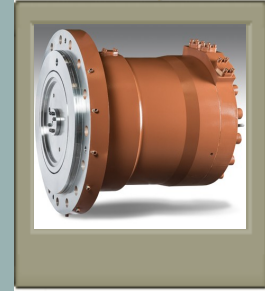
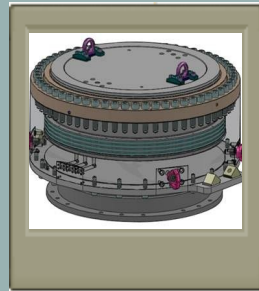
**INNOVATION POWERED
BY TECHNOLOGY ...**

ROSS & MOUNT TECHNOLOGY CENTER

At the technology center of Ross & Mount, Germany . We blooms the innovation powered by cutting edge technology. The engineering system follows the standards in all their designs to ensure reliability at all levels of product designs .

The Ross & Mount products pass through all the extreme testing environments before reaching the equipment's and plants of the customer. Our set of proud customers prefers our products as their first choice for sub assemblies , proves our products reliability and integrity in all our relations .

Our technology team supports our valuable customers in selection of right assemblies , integration supports and Engineering to deliver our customer with Engineered Reliability.



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