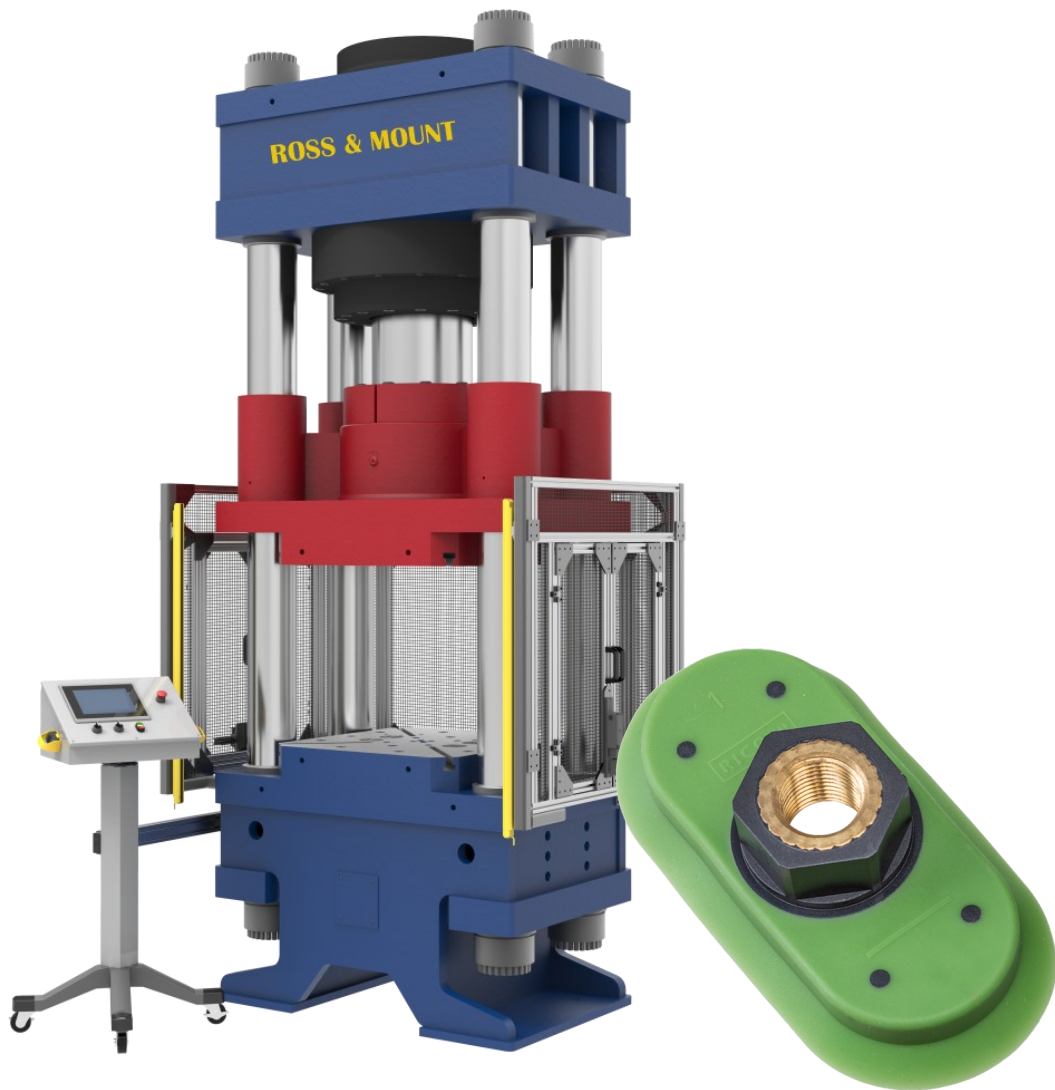


ROSS & MOUNT

ACCURACY & RELIABILITY IN POWER

RUBBER COMPRESSION MOLDING

RCP-4C-400-2400-2-6-H



Servo Driven Pump

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 Rubber compression moulding to incorporate in automatic production lines.

- Multiple Daylight option up-to 4 daylights
- Hot platen up-to 300 deg C with PLC control
- Upward acting design with pressure hold up-to 45 minutes of curing time—Digital tonnage control
- Ejectors to facilitate components unloading
- Digital Servo driven —pump , driving the press for power efficiency

This hydraulic four column press from Ross has a force of 400 ton—2400 tonnes with centre mounted single/ Multiple Rams .The Bolster sizes ranges from 500 x 700 to 1900 x 2500 mm, it has a vertical day light of 800 mm and a piston stroke of 600 mm.

All four column presses from Ross comply with the latest CE-regulations, are made in Europe / India will have a warranty of one year. These hydraulic presses can be delivered with several options, so please do contact us when you need some more information.



| SPECIFICATIONS / TECHNISCHE DATEN | | CLM - 500 | CLM-800 | CLM - 1000 | CLM-1500 | CLM-2200 | CLM-3000 |
|--|----------|-----------|-----------|------------|------------|------------|-------------|
| Force / Kraft | [tn] | 50 | 80 | 100 | 150 | 220 | 300 |
| Motor power / Motorleistung | [kw] | 4 | 5.5 | 7.5 | 7.5 | 11 | 11 |
| Working speed / Arbeitsgeschwindigkeit | [mm/sec] | 6.3 | 6 | 6.2 | 3.9 | 3.8 | 2.8 |
| Approaching speed / Annäherungsgeschwindigkeit | [mm/sec] | 31.4 | 25 | 30.4 | 19.5 | 16.8 | 12.4 |
| Return speed / Rücklaufgeschwindigkeit | [mm/sec] | 41.9 | 36.1 | 47.5 | 30.4 | 30.3 | 18.4 |
| Piston stroke / Kolbenhub | [mm] | 450 | 450 | 450 | 450 | 450 | 450 |
| Guides diameter / Durchmesser Führungen | [mm] | 60 | 80 | 100 | 120 | 120 | 150 |
| Useful table size / Nützliche Tisch Größe | [mm] | 750 x 620 | 900 x 850 | 1050 x 950 | 1050 x 950 | 1200 x 950 | 1300 x 1000 |
| Between columns / zwischen Säulen | [mm] | 750 x 410 | 900 x 600 | 1050 x 650 | 1050 x 590 | 1200 x 590 | 1300 x 570 |
| Vertical light / Lichte Höhe | [mm] | 600 | 600 | 650 | 700 | 750 | 800 |
| Working height / Arbeitshöhe | [mm] | 750 | 900 | 900 | 900 | 900 | 900 |
| Total length (lateral) / Gesamttiefe | [mm] | 1020 | 1170 | 1350 | 1350 | 1450 | 1500 |
| Total width (frontal) / Gesamtbreite | [mm] | 1470 | 1650 | 1900 | 1940 | 2240 | 2650 |
| Total height / Gesamthöhe | [mm] | 2800 | 2875 | 2925 | 3050 | 3125 | 3250 |
| Weight / Gewicht | [kg] | 3200 | 3750 | 4300 | 5100 | 6560 | 7150 |

The Digital Servo Driven Hydraulics

The servo motor driven 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



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 great ease

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 ± 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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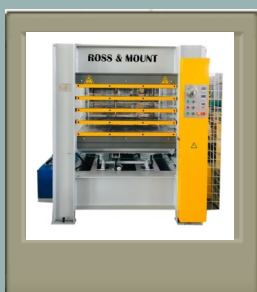
**INNOVATION POWERED
BY TECHNOLOGY ...**

ROSS & MOUNT TECHNOLOGY CENTER

At the technology center of Ross & Mount ,Germany . We bloom 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 Valuable customers in selection of right assemblies , integration supports and Engineering to deliver products with Engineered Reliability.



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