

# ROSS & MOUNT

ACCURACY & RELIABILITY IN POWER

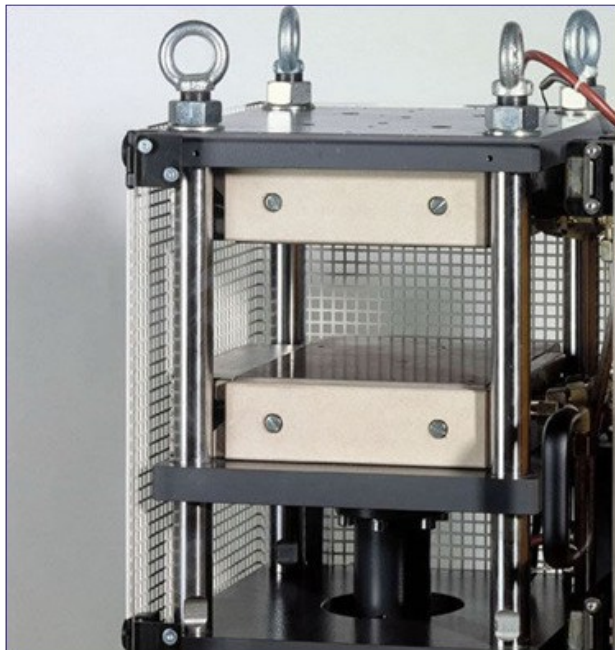
ROSS & MOUNT  
HEAVY EQUIPMENTS

## LAB PRESS— LP—500



FORCE CONTROL AND INTELLIGENCE IN FLUID POWER . . .

Compact Ram Presses : Ross & Mount Lab presses provide precise , durable and cost effective performance. This Bench top platen type press is used in sample compression molding , punching / stenciling , adhesive testing and sheet production . The leniar Bearing units on hard chrome plated grounded steel shafts control the platen movements . This provide excellent durability . Tooling can be customized to suit the customer specifications . The day lights can be manually adjustable to suit the optimum operation of the press . Manual Stoppers can be provided to adjust the variable stroke / Day light . The massive platens offers minimum deflections even at full loads . Built into a compact and elegant structure made of steel, treated with epoxy paint.



## SPECIFICATIONS: LP-500

- Platen size : 400 x 400 mm
- Opening Stroke : 300 mm
- Max. Clamping force: 50 tonnes
- Max. Pressure : 180 Bars
- Hydraulic pump : Piston type
- Electric Motor : 3 KW
- Minimum Day light : 150 mm
- Max. Day Light : 300 mm
- Dimensions : 1700(L) X 1200 (W) x 1800 (H)

**Hydraulic system:** A unique pump design provides a rapid advance of the ram utilizing the high volume-low pressure portion of the pump. When the down stroke of the pump lever is used, the pump automatically converts to the high pressure-low volume output providing accurate control and easy operation. The carefully - constructed hydraulic system enables the press to hold pressure for extra long periods of time. The release valve on the side of the press enables the operator to adjust the pressure accurately as well as accomplish gradual decompression or fast opening of the press

**Two position ram:** A removable adaptor is placed between the self-leveling platen and the ram. By removing the adaptor, a greater daylight dimension is available.



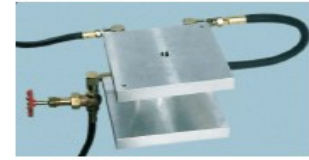
**Heated Platens**  
Thermostat Control



**Heated Platens w/Digital Control and Disconnect** (available with cooling channels)



**Heating/Cooling Platens**  
Thermostat Control



**Cooling Platens**

**Electric platens:** The self-leveling, electrically cooled, precision ground steel platens are pre-wired into the control panel. Heating elements are replaceable

**Precise temperature control:** Each platen has its own complete set of controls including adjustable thermo switch, built-in thermometer, power switch and pilot light. Temperatures are accurately controlled from 100° to 600°F.



A wide range of optional equipment is also available for these presses:

- Roller tables for loading
- Press platens, frames and tooling
- Mold temperature control
- Descaling systems
- Closed-loop cooling systems
- Increased column spacing
- Special hydraulics for high-speed operation



# ROSS & MOUNT



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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