

MP150

The small manual laboratory press

The best solution for IR purpose

The standard MP150 has a pressure gauge with 80 mm diameter and a scale of 0.5 tons. This is suitable for many applications, especially with the common 13 mm die sets for IR purposes.

The MP150D with its digital display shows pressure differences in 10 kg steps (0.01 tons). So you can precisely check the load on your die set. This makes sense for very small die sets which usually don't stand high loads.

We recommend a minimum pressure of about 1 ton to allow the hydraulic lines to close. Then, the press can maintain the load for hours. The maximum load is limited to 15 – 16 tons. For die sets larger than 18 mm, you need to prove if the surface pressure is high enough to get solid pellets.

The manual release valve allows a smooth pressure decrease to avoid cracks in your pellets.

The MP150D can be combined with an adjustable pressure limiter (p/n: MP-S1) to set the maximum load individually. It can be programmed with the buttons at the display. This saves samples and dies from over load and allows reproducible samples. This setting is saved, even when you turn off the display.

With the serial connector, you can send the press data to your Computer (p/n: MP-DA1).



Model	MP150	MP150D
Dimensions (H min/max x W x D)	436/538 x 370 x 300 mm	
Width between columns	150 mm	
Min. / Max. clear height (for die set)	52 mm / 142 mm	
Display / resolution	Analogue, 0.5 to.	Digital four digit, 0.01 to.
Spindle diameter	35 mm	
Max. way of spindle movement	102 mm	
Cylinder diameter / max. lifting	105 mm / 22 mm	
Net. weight	43.5 kg	43.0 kg
Mains connection	–	Ext. power supply, 12 V
Order Number	54MP150	54MP150D

MP250

The manual laboratory press for XRF

The All-round talent

The MP250 has a pressure gauge with 100 mm dia. and a scale of 0.5 tons. It uses four longer columns compared to the MP150 for larger die sets and improved stability. The enhanced pressure range extends the press use for the common 32 and 40 mm die sets, needed for XRF analysis.

The MP250D uses the same digital display as the MP150D and shows pressure differences in 10 kg steps (0.01 tons). So you can precisely check the load on your die set. This makes sense for very small die sets which usually don't stand high loads. Therefore, the MP250D is a press for all applications in your lab.

We recommend a minimum pressure of about 1 ton to allow the hydraulic lines to close. Then, the press can maintain the load for hours. The maximum load is limited to 25 – 27 tons.

The manual release valve allows a smooth pressure decrease to avoid cracks in your pellets.

The MP250D can also be combined with an adjustable pressure limiter (p/n: MP-S2) to set the maximum load individually. It can be programmed with the buttons at the display. This saves samples and dies from over load and allows reproducible samples. This setting is saved, even when you turn off the display.

With the serial connector, you can send the press data to your Computer (p/n: MP-DA1).



Model	MP250	MP250D
Dimensions (H min/max x W x D)	497/609 x 370 x 300 mm	
Width between columns	150 mm	
Min. / Max. clear height (for die set)	73 mm / 185 mm	
Display / resolution	Analogue, 0.5 to.	Digital four digit, 0.01 to.
Top Spindle diameter	45 mm	
Max. way of spindle movement	112 mm	
Cylinder diameter / max. lifting	105 mm / 22 mm	
Net. weight	49.5 kg	49 kg
Mains connection	–	Ext. power supply, 12 V
Order Number	54MP250	54MP250D

MP250M

The motor power hydraulic press

Easiest handling for frequent use

The MP250M motor power press is made to handle a large number of press actions.

You control the load by positioning a red mark inside the 63 mm pressure gauge. Although it is possible to set 2 tons as minimum load, we recommend to use die sets not smaller than 8 mm because the 63 mm pressure gauge scale is 1 ton. So the load is reproducible as long as the mark is at the same position, but it is not exact enough for very small dies. The MP250M is able to hold the load for several hours.

We integrated two additional safety features compared to the manual versions: a safety switch to prevent press actions with opened cover and an illuminated emergency stop button.

The handling is very easy: pushing the green button starts the action and it stops at the marked position. The manual release valve allows a smooth pressure decrease to avoid cracks in your pellets.



Model	MP250M
Dimensions (H min/max x W x D)	497/609 x 360 x 400 mm
Width between columns	150 mm
Min. / Max. inner height for die set	73 mm / 185 mm
Display / resolution	Analogue, 0.5 to.
Top Spindle diameter	45 mm
Max. way of spindle movement	112 mm
Cylinder diameter / max. lifting	105 mm / 22 mm
Net. weight	68 kg
Mains connection	230 V / 50 Hz / 250 W
Order Number	54MP250M

MP5MD

Motorized precise load press

Programmable power for small dies

This compact laboratory press was especially designed for frequent and intense use of small die sets. The small electric hydraulic pump is made for precise load from 200 kg to 5 tons.

The pressure can be set in 0.01 tons steps at the digital display. The programmed load does not get lost when turning off the press. So it is perfectly suitable to reproduce the same press action with the same settings over and over again.

The press starts to work by pushing the green button, the blue button is for decreasing the load until the cylinder is back in his lowest position. The black rotary knob at the top of the metal cover adjusts the pump speed to minimize the overload for best precision and sample protection. The press can keep the load for several hours. If the load drops down to a predefined limit, it will automatically start again.

It also includes a safety switch at the front cover to interrupt the press action until it's closed.



Model	MP5MD
Dimensions (H min/max x W x D)	436/538 x 370 x 300 mm
Width between columns	150 mm
Min. / Max. clear height	52 mm / 142 mm
Display / resolution	Digital four digit, 0.01 to.
Spindle diameter	35 mm
Max. way of spindle movement	102 mm
Cylinder diameter / max. lifting	105 mm / 22 mm
Net. weight	40 kg
Mains connection	230 V / 50 Hz
Order Number	54MP5MD



MAASSEN
PRESSTECHNIK