

No.519 Mini Test Press



Model MP-WNL



Model MP-2F
(With swivel type water cooling plate)

■APPLICATION

The compact, bench-top **Mini Test Press** is used as a plastic compression molding and rubber vulcanizing sample press. The press is equipped with a two-speed manual hydraulic cylinder pressure system. The speed automatically switches when moving the compression plate or supplying compression force. The positive hold mechanism prevents pressure loss.

The Mini Test Press is also equipped with overheat protection. An optional water-cooled, insulated plate sandwich to cold press samples without cooling down platens is also available.

■FEATURES

- Compact, bench-top size; clean, space saving modern design.
- Superior temperature distribution with high heating rates to 300°C or 400°C maximum.
- Separate upper and lower platen PID temperature controllers with overheat protection.
- Optional water cooling platens for sample cooling and compression molding. (MP-S)
- By means of swivel type cooling plate, sample cooling and compression molding is possible without lowering the temperature of heating plate. (MP-2F)
- Two-stage manual hydraulic system for precise compression to 10 ton capacity.
- 200x200mm or 250x250mm platen sizes available.

■ SPECIFICATIONS

Dimensions of heating plate	<ul style="list-style-type: none"> ■ 200 x 200mm ■ 250 x 250mm
Platen separation	100mm max (75mm with water cooling plate)
Pressure system	Hydraulic cylinder manually operated; movable upper platen, fixed lower platen
Compression Load	100kN at 30MPa
Pressure indicator	Analog pressure gauge Max. scale: 35MPa
Manual hydraulic pump	2-speed type (automatic switching)
Temperature control range	Room temperature +10 to 300°C or 400°C
Heaters	Cartridge type balanced heaters
Temperature control	Dual PID controllers, with auto tuning function, digital readouts
Safety devices	Overheat protection circuit, Leakage/over current breaker
Power requirement	Single-phase, AC200V, 4.0kVA (Except MP-SC & MP-WC)
Cooling water requirement	Required (Except MP-SNL, MP-SNH, MP-WNL, MP-WNH) 0.15MPa 20L/min. maximum
Dimensions	W520 x D390 x H680mm (Handle is not included)
Weight	Approx. 90kg

■ MODELS


200 x 200mm models

Model	Platen Size	Water Cooling Plate	Max Temp
MP-SNL	200 x 200mm	N/A	300°C
MP-SNH	200 x 200mm	N/A	400°C
MP-SCL	200 x 200mm	Fixed type	300°C
MP-SCH	200 x 200mm	Fixed type	400°C
MP-2F	200 x 200mm	Swivel type	300°C
MP-2FH	200 x 200mm	Swivel type	400°C
MP-SC	200 x 200mm	No heater, Water cooling only	

250 x 250mm models

Model	Platen Size	Water Cooling Plate	Max Temp
MP-WNL	250 x 250mm	N/A	300°C
MP-WNH	250 x 250mm	N/A	400°C
MP-WCL	250 x 250mm	Fixed type	300°C
MP-WCH	250 x 250mm	Fixed type	400°C
MP-WC	250 x 250mm	No heater, Water cooling only	

■ OPTIONS

	Name	Model	Photo/Remarks
1	Safety cover	SC	
2	Inter-lock type safety cover	ISC	
3	Temperature controller (Programmed heating rate)	T-CONT	Max. heating rate: 12°C/min. Max. heating steps: 16 steps
4	Table	DAI	
5	Handle installation plate	PHDAI	

Specifications are subject to change without notice.



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