

PRESIDON-MV Series Vacuum Impregnation



MV01A



MV02A



*Perfect Surface.
Always*

MV01A/MV02A

- Intelligent Automatic Machine with intuitive HMI touch panel
- Up to ninety-nine degassing circles and adjustable time as well as pressure
- Maximally decrease the bubbles in the porous sample
- Flexible and convenient epoxy dispenser design maximizes the chamber utilization
- Suitable for IC, electronic component, PCB and others, which are SENSITIVE to high temperature and high pressure

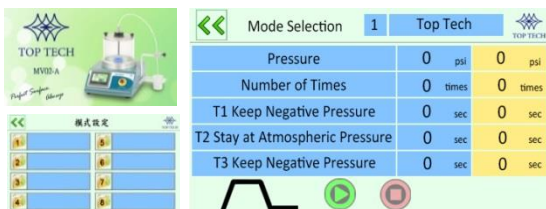
Introduction & Feature

Application range: passive components factories, wafer factories, IC factories, and other electronic industries

Suitable for IC, electronic component, PCB and others, which are SENSITIVE to high temperature and high pressure

Intelligence Automatic Machine and intuitive operation

A 4.3 inch color touch panel and a graphic display make the parameter setting more intuitive. With eight memory methods, multiple languages, an unit conversion and a design of ninety-nine degassing circle, the intelligence machine function can be achieved.



Adjustable epoxy dispenser design

With the epoxy dispenser, the user can fill mounting cups at any speed and any position. Maximize the utility of the vacuum chamber.

Maximally decrease the bubbles around the samples

During the evacuation, the pressure will decrease, the bubbles will expand and go up. When the vacuum is released, the bubbles will burst under the different pressure from inside to outside. Maximally decrease the bubbles around the sample.

Embedding of the porous samples

Maximally decrease the bubbles in the porous sample. Improve the filling of the pores inside the sample and optimize the edge retention.

Optimize the edge retention

Let the epoxy fill the samples under the vacuum situation, the bubbles around the sample can be maximally decreased. The epoxy can flow through the sample easily, without being blocked by air. Optimize the edge retention of the fragile samples.



Introduction & Feature

Spacious vacuum chamber and multiple viewing windows (MV01A)

A separable metal vacuum chamber design, with multiple viewing windows, not only considers the stability and operational efficiency but also confirms the convenience of cleaning and operation.



Model: MV01A



Model: MV02A

Transparent vacuum chamber design (MV02A)

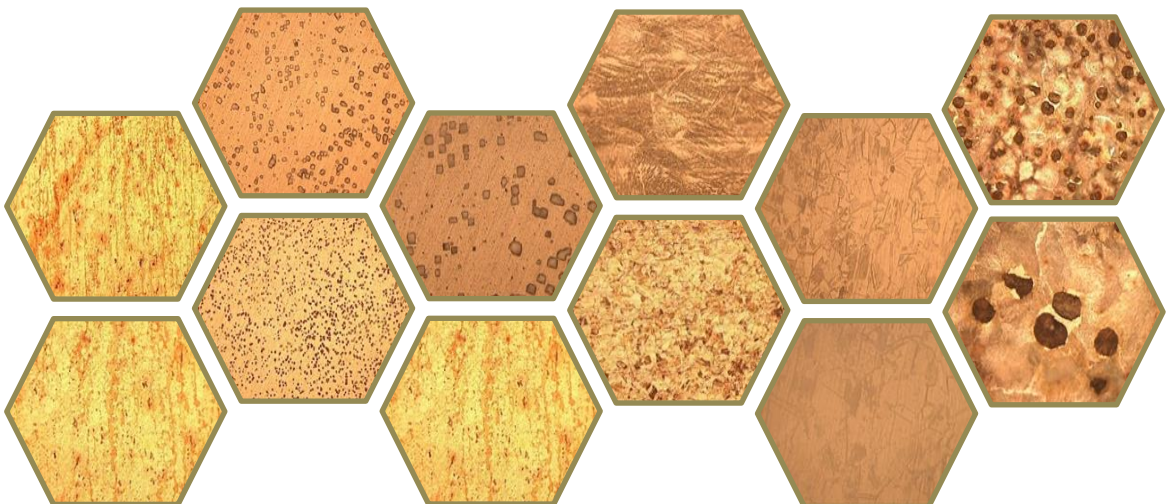
Precision mounting resin filling with full perspective observation saves consumables and improves operational efficiency.



Model: MV02A



Samples mounted with high flow epoxy resin



Metallographic Desk (Optional)



Dimension

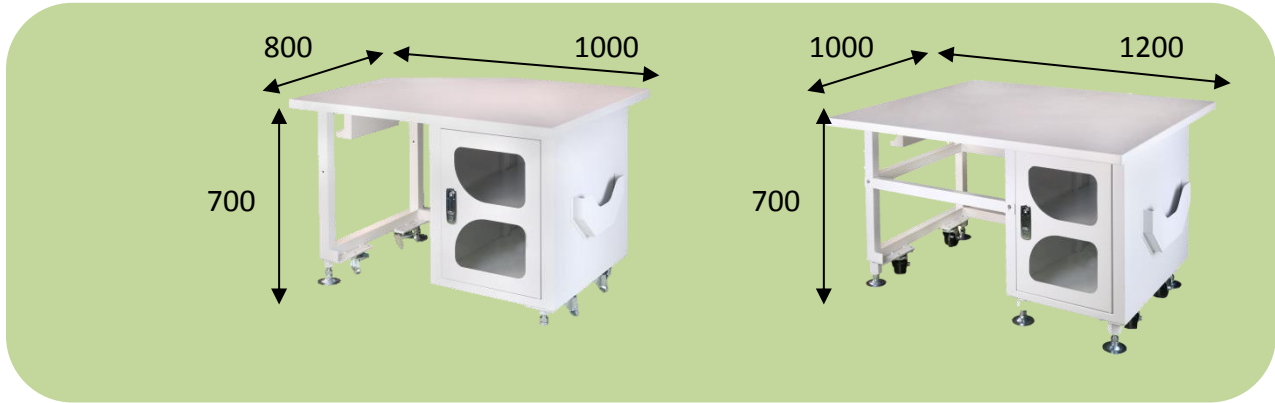
TF01

TF02

(L*W*H)

1000*800*700 mm

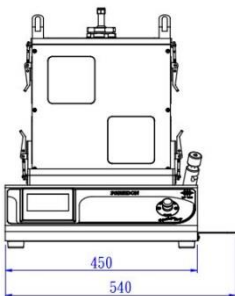
1200*1000*700 mm



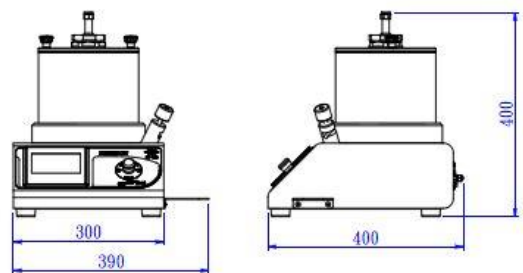
(mm)

Specifications

Model	MV01A	MV02A
Max. Vacuum Pressure	-600 mm-Hg (-0.799 bar/-79.993 kpa/ -11.602 psi)	
	Can be customized between -350~-600 mm-Hg	
Pump Motor Power (W)	300	180
Pump Dimension WxDxH (mm)	160x320x210	155x235x210
Pump Weight (kg)	9	7
Pump Flow (L/min)	86	50
Vacuum Chamber Size (mm)	300x330x300	Ø180x160
Pressure Relief Method	Programmable	
Machine Dimension WxDxH (mm)	540x550x560	390x400x410
Machine Weight (kg)	45	20
Power Supply	AC 110/220V 1Ø	
Accessories	MV010212 Silicone foam strip 2pcs, High Flow Epoxy set (Epoxy resin 950ml, hardener 20ml and mixer bag) 1set, Vacuum pump 1set	HM090190 O-ring 2pcs, Acrylic observed cover 1pc, High Flow Epoxy set (Epoxy resin 950ml, hardener 20ml and mixer bag) 1set, Vacuum pump 1set



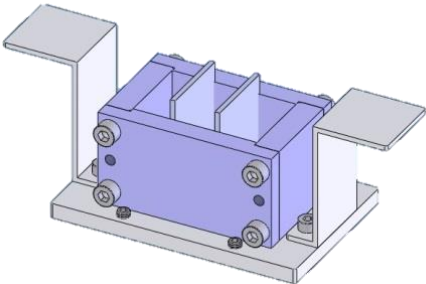
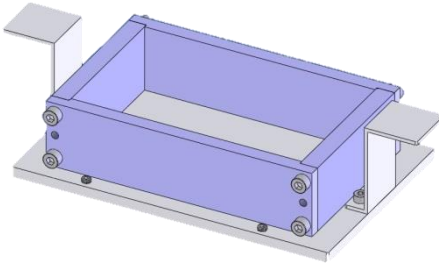
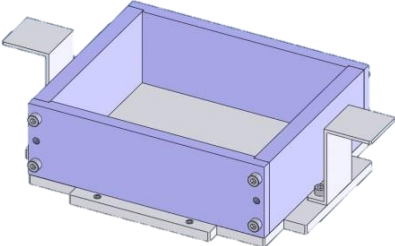
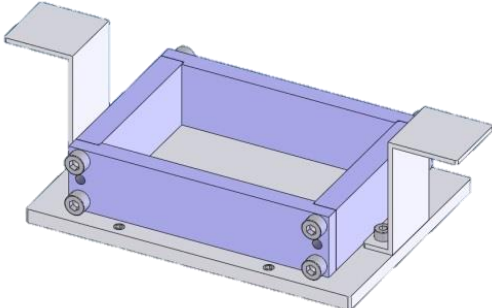
MV01A (Unit:mm)



MV02A (Unit:mm)



Mounting Mold (Optional)

P20Z00505 Square mold (30x50mm) Applied to MV01A and MV02A	P20Z00501 Square mold A type (78x130mm) Applied to MV01A
	
P20Z00502 Square mold B type (110x130mm) Applied to MV01A	P20Z00503 Square mold C type (66x93mm) Applied to MV01A
	

Consumables



Order No.	Silicone Rubber Mounting Cup (High Transparency) Both bottom and surround are bright	Package (pcs/bag)
S10A011-1	Applied to diameter 25mm, Height 25mm (Capacity is about 12ml)	10
S10A021-1	Applied to diameter 31.75mm, Height 25mm (Capacity is about 20ml)	10
S10A031-1	Applied to diameter 40mm, Height 25mm (Capacity is about 30ml)	10
S10A041-1	Applied to diameter 50mm, Height 25mm (Capacity is about 45ml)	10

Consumables



Order No.	High Flow Epoxy Resin-No heat release during curing. (Curing at room temperature about 24 hrs.) It is suitable for non thermostable specimen, such as IC and plastic.
S0303A02	Epoxy resin 950ml + Hardener 350ml
S0303A-2	Epoxy resin 950ml + Hardener 350ml+ Mixer bag



Order No.	Transparent Acrylic Mounting Ring (Hollow)	Package (pcs/bag)
S16025-1	Diameter 25mm, Height 20mm (Capacity is about 7ml)	10
S16030-1	Diameter 30mm, Height 20mm (Capacity is about 10ml)	10
S16040-1	Diameter 40mm, Height 20mm (Capacity is about 20ml)	10
S16050-1	Diameter 50mm, Height 20mm (Capacity is about 33ml)	10



Order No.	Transparent Acrylic Mounting Cup	Package (pcs/bag)
S16025A02-1	Diameter 25.4mm, Height 23mm (Capacity is about 11ml)	50
S16032A02-1	Diameter 31.75mm, Height 23mm (Capacity is about 18ml)	50



Order No.	Specimen Clip	Package (pcs/box)
S17003	Stainless circle clip for various metal specimens. Size \varnothing 10 x 7 H (mm)	100
S17004	Plastic circle clip for various non-metal specimens. Size \varnothing 7 x 6 H (mm)	100
S0805A-1	Square mold for PCB specimens. Outer size 20 L x 20 W x 20 H (mm) Inner size 16 L x 2 or 3 W (mm)	100
S0806A-1	Square in circle mold for PCB specimens. Outer size 30 L x 30 W x 20 H (mm) Inner size 16 L x 2 or 3 W (mm)	100

Consumables



Order No.	Specimen Clip	Package (pcs/box)
S0807A-1	Rectangle mold for PCB specimens. Outer size 25 L x 10 W x 20 H (mm) Inner size 20 L x 2 W (mm)	100
S17006	Plastic clip (Black) for various non-metal specimens.	100
S17007	Plastic clip (Transparent) for various non-metal specimens.	100



Top Tech distributors



TOP TECH



TOP TECH MACHINES CO.,LTD

No.6-3,Siayuan Rd.,Dali,Taichung,412 Taiwan

TEL: +886-4-2406-3799 FAX:+886-4-2406-0960

E-mail:top@toptech.tw <http://www.toptech.tw>

Agent

We reserve the right to change design without notice.

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