



# Vacuum Systems, Consumables & Accessories

## Cast N' Vac 1000

This vacuum system offers excellent pore impregnation in a compact format. As a result, edge retention is enhanced and friable samples are supported during grinding and polishing.



### High efficiency

- Large vacuum chamber allows for 11, 1.5in molds to be processed simultaneously.
- The rugged vacuum pump supplies ample vacuum pull down to quickly evacuate trapped air from any porous specimen while the patented, high strength plastic chamber maintains vacuum throughout the impregnation period.

### Optimized pore impregnation

- The unique dispensing mechanism with a built in rotating turn table allows pouring epoxy while under vacuum.

Part Number	Voltage/Frequency
20-1382-160	115VAC, 60Hz
20-1382-250	220VAC, 50Hz
20-1382-250E*	220VAC, 50Hz

\*Available only in Europe and Asia

### Accessories

- 20-2835 Drierite Dehydrating Agent
- 20-2845 Vacuum Table Liners (Qty 100)

## Ring Forms & Castable Molds



**Disposable Mounting Cups**

Best for mounting low exotherm castable systems like EpoxiCure™ 2 and EpoThin™ 2. Also great for specimen storage (Qty 50)

- 20-8280 1in
- 20-8281 1.25in
- 20-8282 1.5in



**SamplKup™**

Best dimensional stability and suitable for use with all Buehler castable systems. (Qty 12) *\*not for use in ovens\**

- 20-9178 1in
- 20-8180 1.25in
- 20-9181 1.5in
- 20-9184 2in
- 20-9177 25mm
- 20-9179 30mm
- 20-9182 40mm
- 20-9183 50mm



**Plastic Ring Forms**

Strengthens a castable mount for polishing in central force mode. (Qty 100)

- 20-8151-100 1in
- 20-8152-100 1.25in
- 20-8153-100 1.5in
- 20-8154-100 2in

### EPDM Round & Rectangular Molds



Suitable for use with all Buehler castable systems. Best choice for large, rectangular mounts and for curing mounts in ovens

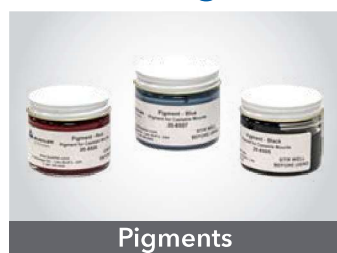
#### EPDM Round Molds (Qty 5)

- 20-8181 1in
- 20-8182 1.25in
- 20-8183 1.5in
- 20-8184 2in
- 20-7183 40mm
- 20-7184 50mm

#### EPDM Rectangular Molds (Qty 1)

- 20-7185 2.2 x 1.2 x 0.9in [55 x 30 x 22mm]
- 20-6185 2.5 x 1.4 x 1.8in [63 x 25 x 46mm]
- 20-7186 2.8 x 1.6 x 0.9in [70 x 40 x 22mm]
- 20-6186 6 x 4 x 2in [150 x 100 x 50mm]
- 20-6187 6 x 3 x 1in [150 x 76 x 25mm]

## Mounting Consumables & Accessories



**Pigments**

Use with castable resins for color coding or creating contrast

20-8505 Black, 1.5oz [45mL]  
20-8506 Red, 1.5oz [45mL]  
20-8507 Blue, 1.5oz [45mL]



**Release Agent**

Liquid release agent for easier removal of mounts from castable molds or compression mounting presses

20-8186-004<sup>†</sup> 4oz [120mL]  
20-8186-032<sup>†</sup> 32oz [950mL]



**Mold Release Spray**

Spray release agent for use on castable mounting molds

20-3050-008 8oz [0.24L]



**Mold Release Powder**

Powder release agent for use on mounting presses

20-3048 2oz [45g]



**SamplKlip**

Stainless Steel support clip for use with all mounting systems.\*

0.25 H x 0.550 W x 0.350in L  
[6 x 14 x 9mm] 0.575g

20-4000-100 (Qty 100)



**SamplKlip I**

Plastic support clip best for castable mounting systems.\*

0.25 H x 0.475 W x 0.3in L  
[~6 x 12 x 8mm] 0.230g  
20-4100-100 (Qty 100)  
0.25 H x 0.425 W x 0.25in L  
[~6 x 11 x 6mm] 0.230g  
20-4100-100S (Qty 100)



**Specimen Support Clip**

Plastic support clip best for castable mount systems.<sup>†</sup>

0.25 H x 0.290 W x 0.375in L  
[6 x 7 x 9.5mm] 0.145g

20-4001-000 (Qty 1000)



**UniClip Support Clip**

Plastic support clip for use with all mounting systems.

0.4 H x 0.360 W x 0.500in L  
[10 x 9 x 13mm] 0.290g

20-5100-100 Clear (Qty 100)  
113043 Black (Qty 100)



**Plastic Mixing Cup**

Graduated Plastic Mixing cup for mixing castable mounting systems

20-8176-100 8.5oz [250mL]  
(Qty 100)



**Paper Mixing Cup**

Non Graduated Paper Mixing cup for mixing castable mounting systems

20-8177-100 5oz [148mL]  
(Qty 100)



**Stirring Sticks**

For stirring castable mounting systems

20-8175 (Qty 1000)



**MetKleer™ Adhesive Bases**

For use with ring forms and castable systems

20-8188 4 x 5in [102 x 127mm]  
(Qty 10)



**Conductive Filler**

Nickel-based filler makes castable mounting systems conductive

20-8500 2 lb [0.9kg]



**Flat Edge Filler**

Enhances edge retention in castable mounting systems.

20-8196 1 lb [0.45kg]



**Thermoplastic Cement**

For adhering samples to glass slides or other specialty holders

40-8100 (Qty 12)



**Crystalbond Mounting Wax**

For adhering samples to glass slides or other specialty holders

40-8150 Flows at 165°F [74°C]  
20-8145 Flows at 120°F [49°C]

\* Compatible with specimens up to 0.200in [5mm] thick

<sup>†</sup> Compatible with specimens between 0.0035 - 0.090in [0.9 - 2.3mm]