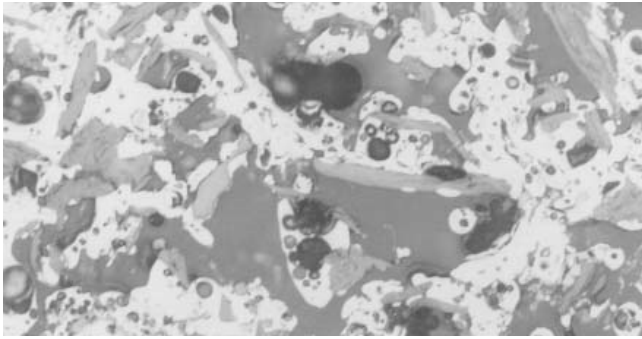


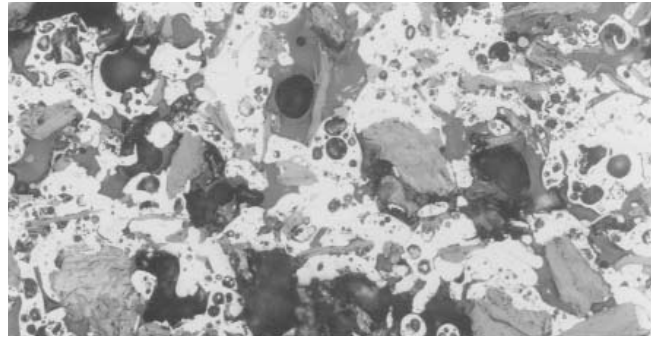
BUEHLER® Cast N' Vac CASTABLE VACUUM SYSTEM

- Removes Trapped Air from Mounting Material
- Economical and Compact Single Sample System
- Built-in Vacuum Pump and Gauge
- CE Approved





Photomicrograph of a Thermal Spray, Nickel-Graphite coating, 200X BF. Using the Cast N' Vac, large voids (porosity) are filled with epoxy during vacuum impregnation. This process assists in maintaining the fragile, as-deposited coating integrity during grinding and polishing.



Photomicrograph of the same Thermal Spray, Nickel-Graphite coating without vacuum impregnation. These porous materials are prone to having constituents "pulled-out" during routine specimen preparation, potentially causing erroneous porosity analysis.

The BUEHLER® Cast N' Vac Castable Vacuum System is a self-contained vacuum impregnation system for use with castable epoxy resins. The Cast N' Vac removes trapped air from mounting material. Without the presence of air, the mounting compound fills the sample pores and eliminates the gaps between the sample and the compound. Edge retention is enhanced and brittle samples are supported during the grinding/polishing process. The system comes complete with a small quantity of mixing supplies, sample holding cups, and epoxy supply tubes.

Specifications

20-3510-160 Cast N' Vac Castable Vacuum System complete with built-in vacuum pump rated to -10 p.s.i (-.7 bar), vacuum gauge, vacuum chamber for single sample impregnation, recessed cup holder, silicone stopper, epoxy supply tubes (5), hose clamp (1), removable recessed disc (1) 1¼", phenolic Ring Forms (5) 1¼", paper measuring cups (5), wooden stir sticks (5), and operations manual. For 115V/60Hz/1 phase operation.

Accessories and Consumables

Ring Forms, Phenolic

Size	Pack Quantity	Catalog Number	Pack Quantity	Catalog Number
1"	10	20-8251-010	100	20-8251-100
1¼"	10	20-8252-010	100	20-8252-100
1½"	10	20-8253-010	100	20-8253-100
2"	10	20-8254-010	100	20-8254-100
25mm	10	20-8155-010	100	20-8155-100
30mm	10	20-8156-010	100	20-8156-100
40mm	10	20-8157-010	100	20-8157-100
50mm	10	20-8158-010	100	20-8158-100

20-3518 Silicone Stopper

20-3519 Hose Clamp

20-3520 Epoxy Supply Tubes, pack of 100

20-8177-100 Paper Mixing Cups, pack of 100

20-3510-160 Cast N' Vac Castable Vacuum System, same as 20-3510-250 except 220V/50Hz/1 phase operation, recessed disc (1) 30mm and phenolic Ring Forms (5) 30mm.

Shipping Weight

15 lbs. (7kg.)

Dimensions

8.25" W x 9.4" H x 11.0" D (210mm x 240mm x 280mm)

Recessed Plastic Disc

Size	Pack Quantity	Catalog Number
1"	5	20-3521
1¼"	5	20-3513
1½"	5	20-3514
2"	5	20-3517
25mm	5	20-3511
30mm	5	20-3512
40mm	5	20-3515
50mm	5	20-3516

20-8175 Wooden Stirring Sticks

20-8185-002 Release Agent, 2 oz. (0.03ℓ)

20-8180 SamplKups®, 1¼", pack of 12

For a complete listing of Buehler equipment and consumables, please refer to our Buehler Consumables and Equipment Buyer's Guide. Buehler continuously makes product improvements; therefore, technical specifications are subject to change without notice.



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