

VibroMet® 2 Vibratory Polisher



The **VibroMet® 2 Vibratory Polisher** is designed to prepare high quality polished surfaces on a wide variety of materials and applications, including EBSD polishing preparation applications. The horizontal motion of 7200 cycles per minute produces a very effective polishing action with superior quality results and exceptional flatness. The unique vibratory action produces less deformation, flatter surfaces and reduces edge rounding. A 12" (305mm) polishing bowl and transparent molded cover are standard on this unit. Accessories include a variety of specimen holders and weights. Target Holders can also be used.

67-1635-160 VibroMet® 2 Vibratory Polisher, 115 VAC, 60Hz, 1 phase

67-1635-250 VibroMet® 2 Vibratory Polisher, 220 VAC, 50Hz, 1 phase

Accessories

67-1525 VibroMet® 1 and 2 Specimen Holders, 2" and 50mm, Set of 3

67-1526 VibroMet® 1 and 2 Specimen Holders, 1" and 25mm, Set of 3

67-1527 VibroMet® 1 and 2 Specimen Holders, 1¼" (32mm), Set of 3

67-1528 VibroMet® 1 and 2 Specimen Holders, 1½" (38mm), Set of 3

67-1529 VibroMet® 1 and 2 Specimen Weights, Set of 9

67-1541 VibroMet® 1 and 2 Loading Fixture, 2" and 50mm

67-1540 VibroMet® 1 and 2 Loading Fixture, 1" and 25mm, 1¼" (32mm), 1½" (38mm)

ElectroMet® 4 Polisher/Etcher



70-1830* ElectroMet® 4 Polisher-Etcher is designed to bring maximum performance and ease of operation to the electropolishing and etching process. The ElectroMet® 4 offers electrolytic specimen preparation through an efficient method of polishing and etching solid solution alloys, including stainless steels, aluminum, titanium, copper and other metals. For repetitive work, the parameter memory will automatically reset operating conditions. Load Test Control allows the operator to simulate actual voltage under load via LED readouts prior to specimen introduction. Includes power supply (70-1831), polishing cell (70-1832) and etching cell (70-3100).

Accessories

70-1831* ElectroMet® 4 Power Source

70-1832 ElectroMet® 4 Polishing Cell

70-1735 Electrolyte Tank, for 70-1830 and 70-1832

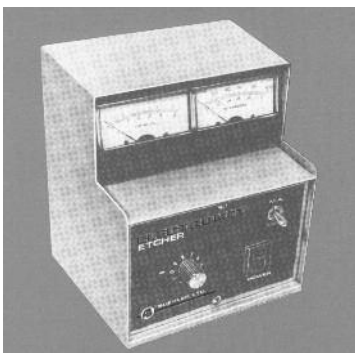
70-2015 Masks, Set of 5

70-2100 Cathodes, Stainless Steel

70-2105 Cathodes, Copper

70-3100 Etching Cell

ElectroMet® Etcher



70-1710 ElectroMet® Etcher is designed to prepare metallurgical and petrographic materials for microstructural analysis. Electrolytic etching reveals microstructure by means of a selective electrolytic dissolution. Unit is standard with power supply, cathode set and etching cell.

Accessories

70-2100 Cathodes, Stainless Steel

70-2105 Cathodes, Copper

* Specific Voltage & Frequency Required
 -115: 115 VAC, 60 Hz, 1 phase -220: 220 VAC, 50 Hz, 1 phase

Desiccator Storage Cabinet



20-1445 Desiccator Storage Cabinet is specially designed for ideal moisture free conditions of up to 500 mounted specimens. Additionally, the cabinet can be utilized for the storage of platens, polishing cloths, and abrasive discs up to 12" (305mm) in diameter. The cabinet is fully sealed with lockable door and soft liners for each of its ten drawers. Accessory spacer trays are available for specific specimen diameters. Order desiccator canisters separately.

Accessories

20-1446 Spacer Tray, 1" (25mm)

20-1448 Spacer Tray, 1½" (38mm)

20-1447 Spacer Tray, 1¼" (32mm)

20-1449 Desiccant

UltraMet® Ultrasonic Cleaners



UltraMet® Ultrasonic Cleaners quickly clean samples to prepare for the next preparation step or final analysis. Ultrasonic cleaning is faster, more consistent, and safer than other methods. Samples are immersed in a tank of cleaning solution and saturated with ultra high frequency sound waves. These sound waves cause the liquid to act with microscopic scrubbing action, enabling cleaning of difficult to reach areas, cracks and irregular surfaces. Their power quickly attacks heavy oils, polishing compounds and other contaminants, while being gentle enough to clean even tiny, precision assemblies. Features built-in mechanical timers for up to 60 minutes and hold button for continuous cleaning.

75-2002* UltraMet® 2002 Sonic Cleaner, ¾ gallon (2.8ℓ), 5½" W x 9½" L x 4" D (140 x 240 x 100mm) tank size

75-2005* UltraMet® 2005 Sonic Cleaner, 2½ gallon (9.5ℓ), 9½" W x 11½" L x 6" D (240 x 290 x 150mm) tank size

Accessories

75-3012 Tank Cover, for UltraMet® 2002

75-5013 Insert Tray, Solid, for UltraMet® 2005

75-3013 Insert Tray, Solid, for UltraMet® 2002

75-5014 Insert Tray, Stainless Steel Perf., for UltraMet® 2005

75-3014 Insert Tray, Stainless Steel, Perf., for UltraMet® 2002

75-5015 Specimen Holder Suspension Bracket for UltraMet® 2005

75-5012 Tank Cover, for UltraMet® 2005

PriMet® Modular Dispensing Satellite



PriMet® Modular Dispensing Satellite is an affordable abrasive dispensing system using peristaltic, no mist technology. The PriMet® Satellite may be used in manual or semi-automatic modes with user selectable time and amount dispensed. PriMet® Satellites may be linked together to dispense a diamond suspension and a lubricant during one polishing step. Includes Satellite, 16 oz. Dispensing Bottle, 18" USB Cable, Flexible Dispensing Arm, Hose and Cord.

40-2810 PriMet® Modular Dispensing Satellite

40-2811 PriMet® Modular Dispensing Satellite, Less 40-2823 and 40-2825



40-10001 PriMet® Pro Dispensing Satellite, For use with EcoMet® Pro Grinders and Polishers

Accessories

40-2822 PriMet® Dispensing Arm With Stand

40-2828 PriMet® Supply Tubes With Connectors (Set of 3)

40-2823 PriMet® Hand Switch

40-2830 PriMet® Dispensing Tips (Set of 10)

40-2824 PriMet® 16oz. (.47ℓ) Bottle

40-2831 PriMet® Luer Fittings (Set of 10)

40-2825 PriMet® 12 Volt Transformer

40-2832 PriMet® 12" (300mm) USB Data Cable, Qty 3

40-2826 PriMet® Tube 48" x ⅛" OD x ⅙" ID (1219mm x 3.2mm x 1.6mm)

40-2704 PriMet® 3000 and Satellite Connector to Polisher

40-2827 PriMet® Tubes 36" x ⅜" OD x ⅙" ID (914mm x 4.8mm x 1.6mm)

40-2707 PriMet® 9-Pin Cable

40-2834 PriMet® Tri-Satellite Connector

* Specific Voltage & Frequency Required

-115: 115 VAC, 60 Hz, 1 phase -220: 220 VAC, 50 Hz, 1 phase

PriMet® 3000 Modular Dispensing System



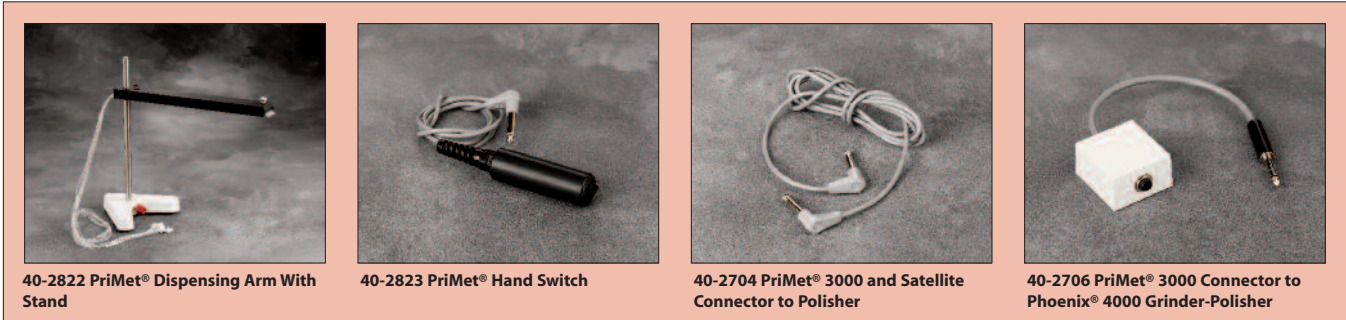
Shown with eight (8) PriMet® Modular Dispensing Satellites (40-2810/40-2811)

40-2800 PriMet® 3000 Modular Dispensing System is a unique modular system for dispensing diamond, Al₂O₃, and colloidal SiO₂ polishing suspensions using peristaltic pumps, with no drip, no mist technology. The PriMet® 3000 comes standard with two dispensing bottles and up to eight additional PriMet® Satellites may be added to the system. The PriMet® 3000 is programmable and offers 25 proven dispensing methods plus 25 available spaces for user defined methods. Communication via the Off/On command with any Buehler compatible polisher will create yet another level of automation.

Accessories

- 40-2704** PriMet® 3000 and Satellite Connector to Polisher
- 40-2706** PriMet® 3000 Connector to Phoenix® 4000
- 40-2707** PriMet® 3000 Connector to PowerPro®
- 40-2810** PriMet® Modular Dispensing Satellite
- 40-2811** PriMet® Modular Dispensing Satellite, Less 40-2823 and 40-2825
- 40-2822** PriMet® Dispensing Arm With Stand
- 40-2823** PriMet® Hand Switch
- 40-2824** PriMet® 16oz. (450mℓ) Bottle
- 40-2825** PriMet® 12 Volt Transformer

- 40-2826** PriMet® Tube 36" x 1/8" OD x 1/16" ID (914mm x 4.8mm x 4.2mm)
- 40-2827** PriMet® Tube 48" x 3/16" OD x 1/16" ID (1219mm x 3.2mm x 1.6mm)
- 40-2828** PriMet® Tubes With Connectors (Set of 3)
- 40-2829** PriMet® Pump Tube With Connectors
- 40-2830** PriMet® Dispensing Tips (Set of 10)
- 40-2831** PriMet® Luer Fittings (Set of 10)
- 40-2832** PriMet® 18" (457mm) USB Data Cable



40-2822 PriMet® Dispensing Arm With Stand

40-2823 PriMet® Hand Switch

40-2704 PriMet® 3000 and Satellite Connector to Polisher

40-2706 PriMet® 3000 Connector to Phoenix® 4000 Grinder-Polisher

Specimen Loading Fixture



60-2410 Specimen Loading Fixture is designed to evenly load multiple samples into specimen holders. Height between the holder and loading plate is fixed to ensure even sample extension (1/8" (3mm) below specimen holder surface) every time. Evenly loaded samples increase productivity by decreasing grinding time to obtain initial flat surfaces. The loading plates (not included, order separately) are used to firmly hold and load selected specimen holders for central force applications.

Loading Plate Options:

- 60-2411 Loading Plate**, reversible for 8" (203mm) O.D and 10" (254mm) O.D. Specimen Holders
- 60-2412 Loading Plate**, reversible for 10" (254mm) O.D and 12" (305mm) O.D. Specimen Holders
- 60-2413 Loading Plate**, reversible for 8" (203mm) O.D and 12" (305mm) O.D. Specimen Holders

Apex® Storage Cabinets



19-06-06



19-06-09

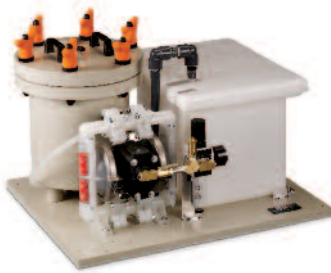
Apex® Storage Cabinets are fully sealed, and are constructed of heavy duty plastic for durable, easy-to-clean storage.

19-06-06 Apex® Storage Cabinets for 8" (203mm) and 10" (254mm) discs and platens

19-06-09 Apex® Storage Cabinets for all discs and platens up to 12" (305mm)

19-06-10 Four additional shelves for 19-06-09

EnvironMet™ Filtering System



EnvironMet™ Recirculating Filter System is ideal for laboratories concerned with water regulation and conservation requirements and/or environmental issues. Designed for use with manual and semi-automatic grinder-polishers, the system includes twenty 1µm filter cartridges, 6 gallon (23 liter) water reservoir and 100µm filter bag. The EnvironMet™ Filter System uses fresh water for each step in preparation. The filtration rate allows up to two grinder-polishers to operate off of one system. The 49-2500 EnvironMet™ System is designed to filter up to 1µm and then recirculate the water. The 49-2501 EnvironMet™ System is designed to filter water up to 100µm and uses fresh water. Both EnvironMet™ Systems are powered by compressed air and require no electrical connections.

49-2500 EnvironMet™ Recirculating Filter System

49-2501 EnvironMet™ Filter System

Accessories

49-2510 EnvironMet™ Replacement 1µm Filter Paper, Pkg of 100

49-2520 Replacement Swarf Bag, For Removal of 100µm Contaminants

49-2530 Caster Kit, Allows Environmental Filter System to be Rolled to Different Locations

49-2540 Fungicide, 4oz. (118mℓ), for Reducing Bacterial Growth in Filter System

49-2542 Connector Kit for MetaServ® Grinder-Polishers