



BUEHLER®
VIBROMET® 2
VIBRATORY POLISHER

Vibratory polishing offers the microstructural analyst a cost effective means of preparing high quality polished surfaces on a wide variety of materials with a simplified automated preparation technique. The VIBROMET® 2 utilizes a powerful drive mechanism that produces nearly 100% horizontal vibratory motion with virtually no vertical motion. This horizontal motion combined with a vibration frequency of 7200 cycles per second produces a gentle polishing action for superior quality results with exceptional flatness across the entire sample surface.

The VIBROMET® 2 offers additional operating and convenience features such as:

- Corrosion and impact resistant reaction-injection-molded (RIM) cabinet
- Front panel mounted electronic touch-pad controls including illuminated On/Off switch and Variable Vibration Control

- Digital LED bar graph vibration amplitude indicator
- Transparent molded cover to minimize contamination of the polishing surface
- Quick-change PVC polishing bowl
- Generous sample capacity to accommodate up to eighteen mounted samples or large unmounted samples
- Unattended operation

The exceptional design characteristics of the VIBROMET® 2 accommodate a great variety of polishing applications, enabling the operator to:

- Prepare soft metals without excessive deformation and scratches.
- Polish coated materials and metals exhibiting corrosion by-products without edge rounding.
- Prepare solid-state devices without damaging delicate components.
- Polish high-tech superalloys with exceptional clarity.

BUEHLER® VIBROMET® 2

■ Prepare geological thin sections to thicknesses of 5 to 10 microns, unattainable by conventional polishing methods.

If your microstructural analysis applications call for cost-effective, high-quality results and simplified automated sample preparation, equip your laboratory with the VIBROMET® 2 Vibratory Polisher...available exclusively from BUEHLER!



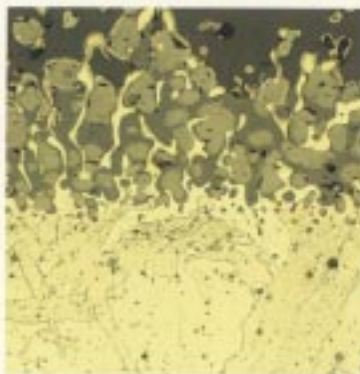
Large unmounted samples may be polished with ease. Once loaded, samples require little operator attention.



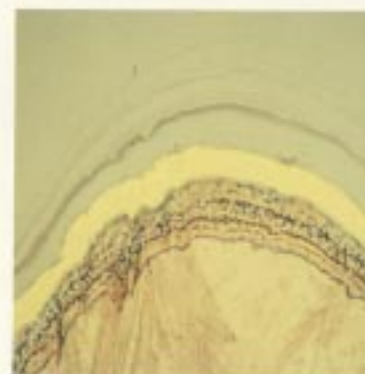
A variety of specimen holders and weights is available.



Generous sample capacity allows up to 18 samples to be prepared simultaneously.



Steel with Corrosion Layer
Etchant: 2% Nital
Mag.: 200X



Gold/Nickel/Brass
Plated Electronic Connector Pin
Etchant: Equal Parts Acetic and Nitric Acids
Mag.: 400X (Angle of polish 5°)

Specifications

No. 67-1635-160 VIBROMET® 2 Vibratory Polisher, with RIM enclosure, variable amplitude vibratory drive system, heavy-duty chassis, electronic touch-pad controls including illuminated On/Off switch and Variable Vibration Control, digital LED bar graph vibration amplitude indicator, 12" (305 mm) diameter quick-change PVC polishing bowl, removable transparent molded cover. Includes samples of polishing cloths, MICROPOLISH® Alumina Powder, MASTERMET® Polishing Suspension and operating instructions. For 115V/60Hz/1 phase operation. **Specimen Holders and Weights supplied separately;** select from the list shown below.

No. 67-1635-250 VIBROMET® 2 Vibratory Polisher, same as No. 67-1635-160 but for 220-240V/50Hz/1 phase operation.

Dimensions: 18" W x 22½" D x 14" H (46 x 57 x 36 cm)

Shipping Weight: 175 lbs. (80 kg)

Accessories

No. 67-1526 Specimen Holders, set of 3 holders for 1" (2.4 cm) dia. mounted specimens.

No. 67-1527 Specimen Holders, set of 3 holders for 1¼" (3.2 cm) dia. mounted specimens.

No. 67-1528 Specimen Holders, set of 3 holders for 1½" (3.8 cm) dia. mounted specimens.

No. 67-1529 Specimen Weights, set of 9 weights and 3 studs for use with No. 67-1526, 67-1527 and 67-1528 Specimen Holders. Up to three weights can be used with each holder.

For a complete listing of BUEHLER® Consumable Products, refer to BUEHLER ANALYST® Section 7.