



VIBRATORY POLISHER TORONPOL™ V0900

Vibratory Polisher ToronPol™ V0900 is an automatic vibratory polisher engineered to create high-quality polished surfaces across a diverse range of materials, particularly suited for electron backscatter diffraction (EBSD) applications. Its high-frequency vibrations in horizontal motion deliver an effective polishing action, effectively removing any minor deformations that remain after mechanical preparation and revealing a stress-free surface. This makes it an ideal choice for preparing EBSD specimens.

APPLICATIONS

The ToronPol™ V0900 is engineered to perform the final, critical step in specimen preparation: the removal of all residual, microscopic deformation and stress induced by prior mechanical grinding and polishing. By imparting a gentle, high-frequency vibratory action, it reveals a pristine, unaltered surface, which is the absolute prerequisite for the most sensitive microstructural analysis techniques, particularly Electron Backscatter Diffraction (EBSD).

This ultimate-stage polishing is indispensable for obtaining accurate data in:

- **Materials Science & R&D:** As the definitive method for preparing samples for EBSD analysis, enabling the accurate characterization of crystal orientation, grain boundaries, and micro-texture, which is fundamental to understanding material behavior.
- **Aerospace & Superalloys:** For the preparation of titanium, nickel-based superalloys, and other advanced materials to study deformation mechanisms and crystallographic texture, which is critical for predicting component performance and lifetime.
- **Semiconductors & Electronics:** To achieve the perfect, damage-free surface required for analyzing the crystallography of thin films, interconnects, and silicon wafers, which directly impacts electronic properties and device reliability.
- **Geology & Earth Sciences:** For preparing rock and mineral samples for EBSD-based petrofabric analysis, revealing the true grain orientation and deformation history of geological materials without preparation-induced artifacts.

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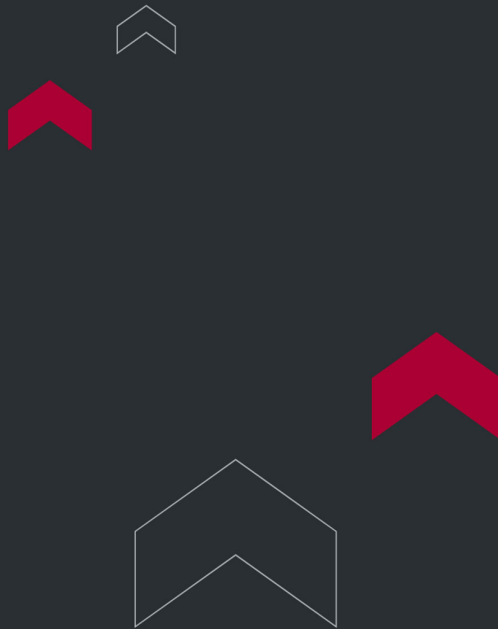
FEATURES

- **Frequency and voltage controls:** Adjusting the vibrating frequency allows for polishing of specimens in various sizes, while changing the applied voltage enables easy control of polishing speed.
- **Automatic timer control:** The machine stops automatically after the set time.
- **Versatile handling:** Suitable for both small and large specimens.
- **Multiple size holders:** Compatible with holders ranging from 1 inch to 2 inches in diameter, with options for custom sizes.
- **Robust and durable design:** Built to withstand rigorous use.
- **User-friendly:** Simple to operate and maintain.
- **Suitable for all materials:** Effective for polishing a wide range of materials.

TECHNICAL SPECIFICATIONS

Model	ToronPol V0900
Bowl Size (mm)	Ø228.6mm/9inch
Power	110/220V□ 50/60Hz
Motor	350W
Dimension(WxDxH)	430*530*440
Weight(kg)	82
Specimen Holder, 1.25inch	● 3pcs

Holder Weights, 1.25inch	● 3pcs
Lever Plate for 1.25inch	● 1pcs
Polishing Pad	● 1pcs
Other holders, weights and lever plate	○ 1inch ○ 1.5inch ○ 2inch□ can be customized
● Standard ○ Option	



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