




MetPrep™ Polishing Machine

The **MetPrep™** Polishing Machine is excellent for manual preparation of delicate samples when using hand-held polishing tools. It features analog control of all operations including run/stop, platen speed, platen direction and coolant flow. Its sturdy construction and isolated platen spindle eliminate vibration. Precision lapped platens assure vertical run-out of less than 5 microns, and are excellent for applications requiring lapping films. Platen rotation speeds range from 5-350 RPM, in either clockwise or counterclockwise direction, with smooth, consistent low-end torque. An electronic solenoid activates coolant, and an adjustable valve allows for desired flow control.

Features:

- ❖ Variable platen speed: 5-350 RPM
- ❖ Geared, high torque ¼ HP (190 W) DC motor
- ❖ Stable aluminum/stainless steel construction
- ❖ Clockwise/counterclockwise platen rotation
- ❖ Bowl flush to prevent debris build-up
- ❖ Quick-change platen design
- ❖ Electronic coolant control with adjustable valve
- ❖ Dimensions: 15" W x 26" D x 9" H (381 x 660 x 230 mm)
- ❖ Weight: 85 lb. (39 kg)
- ❖ Two (2) year warranty – parts and labor
- ❖ Designed & manufactured by Allied in the USA 

Item	Description
10-2000	MetPrep™ , 115 V
10-2000-230	MetPrep™ , 230 V

Includes: #10-1005 8" Aluminum Platen, Splash Ring and Platen Cover

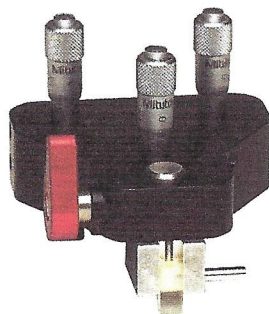
Accessories:

10-1005	8" (203 mm) Aluminum Platen
69-10025	8" (203 mm) Frosted Glass Polishing Plate
69-10030	8" (203 mm) Plain Glass Support Plate

TEM Wedge Polisher

Used to thin materials to electron transparency for TEM observation. The rear micrometer heads allow radial or axial (wedge) angle adjustments in the sample, and the front head provides support when observing samples using an inverted microscope. Non-rotating micrometer heads are available to eliminate faceting of Delrin feet.

The cross-sectioning and Pyrex paddles attach using a cam-locking system (no tools needed), allowing quick, easy removal for sample inspection and exact repositioning throughout the polishing procedure. The small Pyrex footprint reduces planarization time due to less surface area making contact with the abrasive.



Features:

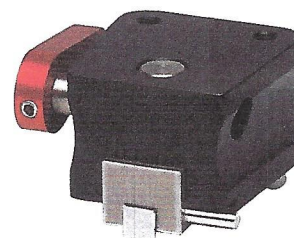
- ❖ Lightweight anodized aluminum body for corrosion resistance
- ❖ Cam-lock lever can be mounted on the right or left side according to operator's preference
- ❖ Low profile fixtures fit under objectives in most microscopes
- ❖ Cam-locking system eliminates the need for tools and allows for exact repositioning of the paddle
- ❖ Aluminum cross-sectioning paddle fits into most SEMs without the need to demount the sample

Item	Description
69-42000	TEM Wedge Polisher Kit with Low Profile Micrometer Heads
69-42005	TEM Wedge Polisher Kit with Non-Rotating Micrometer Heads

Cross-Sectioning Tool

Used to cross-section small, unencapsulated samples such as IC's and other electronic devices.

The hand-held tool's unique design is stable, well-balanced and has a low center of gravity to avoid rocking during polishing. Adjustable Teflon™ feet are used to align the sample with the desired polishing plane. The cross-sectioning paddle is attached using a cam-locking system (no tools needed), allowing quick, easy paddle removal for sample inspection and exact repositioning throughout the polishing procedure.



Item	Description
69-50000	Cross-Sectioning Tool Kit