All New, Easy to Use, and Versatile.

The all new MINIMET® 1000 Grinder/Polisher is a microprocessor-controlled sample preparation system that quickly prepares materials for cross-sectional analysis. Its space saving design employs a patented geometric action that combines the advantages of hand lapping as well as mechanical polishing. This motion provides a random polishing action, thus eliminating any induced directional polishing artifacts.

**Easy To Use**
The new MINIMET 1000 comes with suggested programs for a wide variety of materials. The easy-to-use controls allow for selection of speed, pressure, time, and soft stop capability. Just select the most appropriate method, key in the parameters for the first step, and start the system. The MINIMET 1000 completely controls the preparation process and assures complete repeatability. The economically sized polishing bowls (2'/4") easily interchange to eliminate cross-contamination problems between preparation steps. No operator expertise is required for obtaining quality results from day one.

**Quality Preparation**
The fully adjustable speed and high pressure capability (2-10 lbs./10-50 Newtons) reduces preparation time and allows the MINIMET 1000 to easily prepare advanced ceramics, composites, and even large hardened steel sections. The soft stop feature automatically reduces the sample pressure during the final polishing sequence, no hand polishing is necessary. This technique is ideal for preparation of softer materials.

**Versatile**
To increase its versatility, many accessories are available for the MINIMET 1000. Attachments for the precision thinning of materials, wafer polishing, electromechanical polishing, and thin section preparation are available. The system can also utilize the latest BUEHLER DIALOG™ methods which incorporate METLAP® Platen and METADI® Diamond Suspensions.

The MINIMET 1000 offers the latest in ease-of-use, versatility, and economy for the semiautomatic preparation of all materials.
Face Panel features touch-pad controls and LED displays of all grinding/polishing parameters.

Caged Sample Holder facilitates sample preparation without the need to drill a back hole in the sample.

Thin Section Attachment is ideal for automatic preparation of geological samples.

Precision Thinning Attachment enables SEM and TEM samples to be prepared.

The ISOMET® Low Speed Saw is an excellent companion to the MINIMET 1000 Grinder/Polisher including when low deformation sectioning is required prior to polishing.