

M-Prep 5™
Grinder/Polisher




- ❖ **Electronic Coolant Control**
- ❖ **Stable, Durable Table-Top Design**
- ❖ **Powerful ½ HP (375 W) DC Motor**
- ❖ **Touch Pad Switches Control Main Functions**
- ❖ **Variable Speed with Digital Display: 10-500 RPM**

M-Prep 5™ Grinding/Polishing Machine

The **M-Prep 5™** grinding/polishing machine is recommended for manual sample preparation of a wide variety of materials. Either 8" (203 mm) aluminum or magnetic platens can be used. A powerful 1/2 HP (375 W) DC motor provides constant high-torque output throughout the RPM range, digitally displayed from 10-500. The stable, corrosion-resistant aluminum and stainless steel construction ensures maximum durability.



Features:

- ❖ Variable speed with digital display: 10-500 RPM (10 RPM increments)
- ❖ Touch pad switches control run/stop and coolant functions
- ❖ Powerful 1/2 HP (375 W) DC motor provides constant high-torque output
- ❖ Stable, corrosion-resistant aluminum and stainless steel construction
- ❖ Quick-change platen design, anodized to resist wear and corrosion
- ❖ Corrosion/impact resistant cover
- ❖ Low profile, table-top design
- ❖ Electronic coolant control with adjustable valve
- ❖ Two (2) year warranty – parts and labor
- ❖ Designed & manufactured by Allied in the USA 

M-Prep 5™ 8" Grinder/Polisher

Item	Description
5-2200	M-PREP 5™ 115/230V 50/60 Hz, 1 Phase

Includes: #ASSORT-PSA Silicon Carbide Adhesive Back Paper, 8" Assortment Pack, Splash Ring and Platen Cover

Note: Platens are sold separately



Accessories

Aluminum platens are used with plain or adhesive back SiC discs or adhesive back, multiple-use grinding/polishing discs. If using with multiple-use grinding/polishing discs, it is recommended that one platen per disc be used.

Magnetic Platens feature a non-slip magnetic foil which is permanently adhered to an aluminum platen and used with Magnetic System grinding and polishing discs. They provide a convenient method for quick and easy changing of the disc without the need to exchange or invest in multiple platens.

Paper holding bands are used to secure plain back abrasive discs to aluminum platens. The inside of the band edge is designed to accommodate discs that may overhang the platen edge so the paper does not fold onto itself. They are adjustable to fit metric and imperial size platens.



Aluminum Platen



Magnetic Platen

Platen Diameter	Aluminum Platen	Magnetic Platen	Paper Holding Band
8"/200 mm	5-2005	5-2005M	125-10011

Facility Requirements:

Inlet Tubing Size (OD):	¼"
Inlet Water Pressure (PSI):	25 min, 50 max 1.76 kg/cm ² /3.52 kg/cm ²
Drain Tube (OD/Length):	1.5"/4 Ft. (1.25" ID)
Drain rate (gal./minute):	1.0 (3.78 L) @ 30 PSI

M-Prep 5™ Technical Data:

Motor:	1/2 HP (375 W)
Platen Speed:	10-500 RPM
Dimensions:	15" W x 26" D x 9" H (381 x 660 x 230 mm)
Weight:	66 lb. (30 kg)

Global Distribution of



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Equipment is subject to change due to innovations/improvements at any time.

Document No: D5-22XXPBV1.0



Allied Equipment and Fixtures
are Designed and Manufactured
by Allied in the United States

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