

## Product Brochure



# M-Prep 5™

## GRINDING/POLISHING MACHINE

*Designed & manufactured by Allied in the USA*


Allied High Tech Products  
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## 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) or 10" (250 mm) standard or magnetic platens can be used. A powerful 0.5 HP (375 W) DC motor provides constant high-torque output throughout the speed range, displayed from either 10-500 or 20-990 RPM. The stable, corrosion-resistant RIM, aluminum and stainless steel construction ensures maximum durability. *Standard/magnetic platens are sold separately.*



### Features:

- ❖ Variable speed with digital display: either 10-500 or 20-990 RPM (10 RPM increments)
- ❖ Touchpad switches control run/stop and coolant functions
- ❖ Powerful 0.5 HP (375 W) DC motors provide constant high torque output
- ❖ Sturdy RIM, aluminum and stainless steel construction
- ❖ Corrosion/impact resistant cover
- ❖ Overflow diversion protects internal components
- ❖ Quick-change platen design, anodized to resist wear and corrosion
- ❖ Low profile, tabletop design
- ❖ Electronic coolant control with adjustable flow control valve(s)
- ❖ Retractable coolant nozzle allows quick and easy sample/bowl cleaning
- ❖ CE compliant for EU
- ❖ Two (2) year warranty
- ❖ Designed & manufactured by Allied in the USA 

### M-Prep 5™ Grinder/Polisher, 8" or 10" Platen

Item	Description
5-2200	<b>M-Prep 5™</b> , 100-240 V, <b>10-500 RPM</b>
5-2200-M	<b>M-Prep 5™</b> , 100-240 V, <b>20-990 RPM</b> Dims: 15" W x 26" D x 9" H (381 x 660 x 230 mm) Weight: 66 lb. (30 kg)

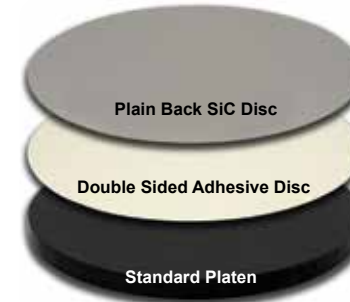
### Standard Platens



Standard aluminum platens are precision lapped parallel, then hard anodized (HRC 60+) for maximum wear resistance. They are used with adhesive backed discs, double sided adhesive discs and paper holding bands, or when converting to a magnetic platen using magnetic bases.

Item	Diameter
5-2005	8" (203 mm)
5-6010	10" (254 mm)

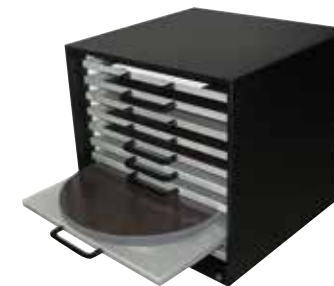
### Double Sided Adhesive Discs (Pk/10)



Double sided adhesive discs are adhered to a standard platen and used to secure plain back silicon carbide abrasive discs. Each provides 25-75 disc pulls depending on grit size, cycle time and force.

Item	Diameter
52-10005	8" (203 mm)
52-10003	10" (254 mm)

### Platen Storage Cabinet



*Shown with door removed for visual clarity*

Item	Description
5-8100	Storage Cabinet Dims: 14" W x 14" D x 14" H (355 x 355 x 355 mm) Weight: 35 lb. (16 kg)
5-8105	Aluminum Tray/Shelf

### Accessories:

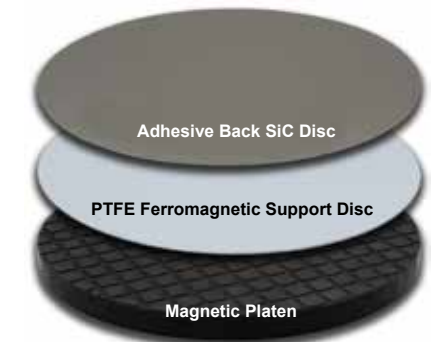
### Magnetic Platens



Magnetic platens combine a standard aluminum platen with a cross-hatched magnetic surface for maximum flatness and adherence. Only one platen is needed throughout the grinding and polishing process, allowing all magnetic system cloths/abrasive discs or ferromagnetic discs to be utilized.

Item	Diameter
5-2005M	8" (203 mm)
5-6010M	10" (254 mm)

### PTFE Ferromagnetic Support Discs New!



PTFE ferromagnetic support discs combine a PTFE surface with a rigid stainless steel disc. This allows adhesive backed abrasive discs/polishing cloths to be easily removed after use without any adhesive transfer. The nonslip backing keeps the disc in place even for coarse grinding.

Item	Diameter
52-52000	8" (203 mm)
52-52002	10" (254 mm)

# Global Distribution of



# The World's Finest Products



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

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