

Product Brochure



M-Prep 6™

GRINDING/POLISHING MACHINE

Designed & manufactured by Allied in the USA


Allied High Tech Products
2376 East Pacifica Place, Rancho Dominguez, CA 90220
(800) 675-1118 (US/Canada)
(310) 635-2466 (worldwide)
www.alliedhightech.com

M-Prep 6™ Grinding/Polishing Machine

The M-Prep 6™ grinding/polishing machine is recommended for manual sample preparation of a wide variety of materials. Either 10" (250 mm) or 12" (300 mm) standard or magnetic platens can be used. A powerful 1/2 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.



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 6™ Grinder/Polisher, 10" or 12" Platen

Item	Description
5-6200	M-Prep 6™ , 100-240 V, 10-500 RPM
5-6200-M	M-Prep 6™ , 100-240 V, 20-990 RPM
	Dims: 22" W x 27" D x 10.5" H (560 x 690 x 267 mm) Weight: 101 lb. (45 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
5-6010	10" (254 mm)
5-6005	12" (305 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
52-10003	10" (254 mm)
52-10000	12" (305 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)

Accessories:

5-8105	Aluminum Tray/Shelf
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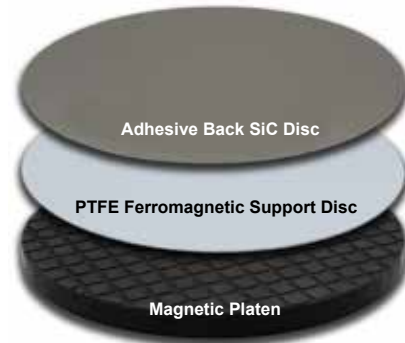
Magnetic Platens



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
5-6010M	10" (254 mm)
5-6005M	12" (305 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
55-52002	10" (254 mm)
55-52005	12" (305 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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 Allied Equipment and Fixtures are Designed and Manufactured by Allied in the United States

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