



M-Prep 6x™
MANUAL GRINDER/POLISHER

*POWERFUL, RELIABLE & DURABLE
POLISHER FOR MANUAL
SAMPLE PREPARATION*

Quality Products for Metallographic Sample Preparation & Analysis



The **M-Prep 6x™** grinding/polishing machine is designed for manual sample preparation. The powerful, quiet motor provides constant high-torque output throughout the speed range, in either 10-500 or 20-1,000 RPM configurations. A 7" color LCD touchscreen with keypad entry is used to control all functions with an intuitive interface optimized for efficiency. Five (5) user-defined preset buttons allow quick and easy RPM selections in either clockwise or counterclockwise rotation.


Durable: Engineered and constructed using precision-machined hard-anodized aluminum and stainless steel components to provide maximum longevity.

Easy to use: Straightforward controls and user-friendly functions for quick, repeatable operation.

Either standard or magnetic 10"/254 mm or 12"/305 mm platens may be used with any plain/adhesive backed or magnetic system disc.

Standard/magnetic platens, accessories and consumables are sold separately.

Features:

- Variable platen speed: either 10-500 RPM or 20-1,000 RPM (in increments of 10 RPM) with five (5) adjustable preset buttons
- 7" color LCD touchscreen with keypad entry to control all functions
- Intuitive interface optimized for efficiency and function
- Powerful, quiet 0.6 HP (470 W) Brushless DC motor that provides constant high-torque output throughout the speed range
- Sturdy aluminum and stainless steel construction
- Clockwise/counterclockwise platen rotation
- Quick-change platen design, anodized to resist wear and corrosion
- Low profile tabletop design
- Electronic coolant control with adjustable flow control valve
- Retractable coolant nozzle that allows quick and easy sample/bowl cleaning
- Two (2) year warranty
- Designed and manufactured by Allied in the USA 

Item	Description
5-6250	M-Prep 6x™, 100-240 V, 10-500 RPM
5-6250-M	M-Prep 6x™, 100-240 V, 20-1,000 RPM

Dims: 22" W x 27" D x 10.5" H (560 x 690 x 267 mm)
Weight: 101 lb. (45 kg)

Retractable Nozzle



Retractable coolant nozzle allows quick and easy sample/bowl cleaning.

LCD Touchscreen



The 7" color LCD touchscreen is used to control all functions and is extremely easy to navigate, allowing greater efficiency among users.

Standard System

Standard Platens



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

Item	Description
5-6010	10" (254 mm)
5-6005	12" (305 mm)

Disc Holding Bands



Disc holding bands are made of anodized aluminum and secure plain back discs to a standard platen. A protrusion around the top of the band allows variable sized discs (± 3 mm) to be secured.

Item	Description
125-10012	10" (254 mm)
125-10013	12" (305 mm)

Double Sided Adhesive Discs (Pk/10)

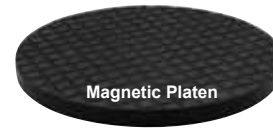


Double sided adhesive discs are adhered to a standard platen and used to secure plain back silicon carbide abrasive discs. Each provides 25-75 disc pulls, depending on grit size, cycle time and force.

Item	Description
52-10003	10" (254 mm)
52-10000	12" (305 mm)

Magnetic System

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	Description
5-6010M	10" (254 mm)
5-6005M	12" (305 mm)

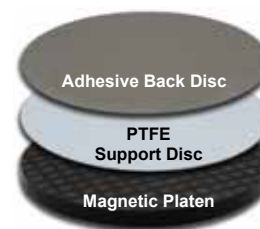
Ferromagnetic Support Discs



These reusable ferromagnetic stainless steel discs feature a nonslip backing and allow adhesive backed cloths/abrasive discs to be changed quickly and easily when using magnetic platens.

Item	Description
55-51002	10" (254 mm)
55-51005	12" (305 mm)

PTFE Ferromagnetic Support Discs



These reusable, durable discs combine a PTFE surface with a ferromagnetic stainless steel substrate. 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 applications.

Item	Description
55-52002	10" (254 mm)
55-52005	12" (305 mm)

Global Distribution of the World's Finest Products



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



Designed and Manufactured by
Allied High Tech Products, Inc.
in the USA

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- Norwalk, California
- Edmond, Oklahoma

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