



Mate Precision Grinder

Reliable tool grinding close to the press



Introducing the Mate Precision Grinder (MPG) designed for grinding punch press tooling.

Simple Operation

- Multiple user-specified grinding programs for grinding consistency
- Ergonomically designed keypad for simple programming
- Long-lasting CBN grinding wheel (GRW00264) for optimal grinding
- Ideal for unsupervised operation

Flexibility

- Fine grind depth and removal rate settings provide maximum flexibility, reliability, and consistency.
- Grind depth in 5µm increments for exceptionally fine surface finish.
- Angular table adjustment from 0° up to 12° allows shear to be ground on punches to reduce punching force.

Convenience

- Six drawers for convenient storage of items such as tools awaiting regrind and measuring instruments.

Safety

- Fully enclosed work area to ensure safety. Safety door interlock prevents grinder operation with door open.
- Abrasive mist contained during grinding process. Keeps work area clean, eliminates slip hazards, and keeps abrasive material away from precision keyways and slides of punch press.
- Safety operation light indicates when grinder is running and when operation is complete. Ideal for unsupervised operation.

Mate Precision Grinder (MPG) Features Include:

Multiple Programs

- Up to five programs can be stored to ensure consistency. Settings include: Total cut depth (a combination of rough cut and fine cut depth settings), removal rate for rough and fine cuts, and polishing time for final clean-up.

Automatic Coolant Control

- Coolant is automatically delivered to the grinding wheel via a hollow spindle to assure optimum grinding conditions are maintained.
- The coolant tank slides out from the front of the machine for easy maintenance.

Universal Grinding Fixture

- Exclusively designed for use with this grinder, the MPG Universal Grinding Fixture (MATE00474) allows all popular styles of punch press tooling to be held securely during regrinding, including:
 - Tools up to 8.500 (215.90) in length
 - Tools from 0.200(5.08) to 7.500(190.50) diameter
 - Tools with pins which protrude from the side or underside
 - Tooling with precision keyways in the side or underside
 - Tooling which is round or shaped



- **Enclosed Work Area**
- **CBN Grinding Wheel**
- **Infinite Adjustment**
- **Compact Size**
- **High Quality Manufacture**
- **Safety Interlock**
- **Universal Grinding Fixture**

Gross Weight	660lbs (300 KG)
Wheel Diameter	7.874"(200mm)
Wheel Rotation	2850 RPM
Table Diameter	12.600"(320mm)
Maximum grind height	11.810"(300mm)
Noise Level	< 67 dB
Power Requirements*	440V, 3 phase, 60Hz, 4kW
Size (W x L x H)	25.5" x 30" x 71" (645 x 762 x 1803mm)

Mate Precision Tooling • 1295 Lund Boulevard • Anoka, Minnesota 55303 USA • Phone 763.421.0230 • 800.328.4492 • Fax 763.421.0285 • 800.541.0285

The Mate Logo is a registered trademark of Mate Precision Tooling Inc.
* may require transformer not included.

Dimensions in Inches(millimeters)

mate.com

LIT00244



mate.com

MATE PRECISION TOOLING

United States

1295 Lund Boulevard • Anoka, Minnesota 55303
Phone 763.421.0230 • 800.328.4492 • Fax 763.421.0285 • 800.541.0285