Rush Machinery

Grind better.

Model 250A

Drill and Tool Grinder

Incorporating versatility, rapid set-up and accuracy into rugged and affordable machines.

Rush Drill and Tool Grinders are designed to reduce holemaking expenses by allowing users to quickly and accurately regrind their tools to the proper geometry whenever it is needed.

Our unique design features point splitting and web thinning capability and allows for quick grinding of almost any HSS or carbide drill point.

Available in manual, semi-automatic, automatic in-feed and structural steel versions. All of the models feature ruggedly constructed dovetail ways with adjustable tapered gibs. They are covered by accordion or metal covers. The traverse way has an adjustable stop. The infeed and traverse feed handwheels are graduated in thousandths of an inch or metric increments.

The grinding spindle assembly incorporates permanently lubricated and sealed ball bearings. The spindle shaft has a standard tapered end to minimize run out, which is a particular advantage when using diamond or CBN grinding wheels.

Additional Drill and Tool Grinders from Rush Machinery:

- *Models 380 & 382S for larger sizes - 3/16" to 3-1/8" (5 to 80 mm)*
- *Models 250A & 252S - capacity of 3/32" to 2" (2 1/2 to 51 mm)*
- *Model 132C - capacity of .080" to 1-1/4" (2 to 32 mm)*

AMT
Member since 1988

www.rushmachinery.com • Since 1983

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Rush Machinery provides innovative, practical, and top quality products that save time and money, and improve the way people grind tools.

Features:

- One-year limited warranty on all parts.
- Sealed linear bearing with hardened guide shafts
- Downfeed with ball detent in .001" increments
- Hardened downfeed screw with wiper seal
- High-quality diamond included for truing standard and ceramic wheels

Electrical:

- Most models available with 1 phase, 1/2 hp motor, or 3 phase, 1 hp motor. Models 380, 382, and Auto-Infeed have 3 phase, 1 hp motor standard. Other voltages available on request.

Selected Optional Accessories

Semi-Automatic Version

- The power-driven workhead of the semi-automatic version offers a quiet, smooth rotation of the workhead. Manual effort is reduced for heavier grinding and spin grinding operations. Spark out is allowed to occur by using a minimum of manual infeed along with a reduction in workhead rotation speed. The speed is controlled by a conveniently located valve; the adjacent four-way valve allows grinding in either direction. A hand knob on the workhead is used for indexing and setup.

Automatic Infeed System

- The semi-automatic versions can be equipped with the automatic infeed system to increase operator productivity. The system allows manual or semi-automatic grinding of all tool grinding, and use of the automatic infeed for standard drill points, countersinks and reamers. The grinding rate is adjustable and the counter can be preset for 1-99 cycles. An electroplated CBN wheel (standard) is used with the automatic infeed and requires no dressing. Larger, three-phase motors are standard and an ammeter is provided to monitor the grinding load.

Overhead Wheel Dresser

- Timesaving option allows truing of the grinding wheel O.D. without changing the setup. (Not for use with diamond or CBN wheels)

Air Bearing Fixture

- Allows precision sharpening of endmills, reamers, shell mills and other cutters. The spindle is supported with a thin film of air providing nearly frictionless motion, resulting in a smooth, even grind. The fixture quickly mounts on the Model 132C, 250A, 252, 380 or 382S grinders, or is available with a universal base to fit most tool and cutter or surface grinders.

Diamond and CBN wheels available for all models.

RushMachinery
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