
Maintenance

Safety First (Every time before maintenance)

- Disconnect power before servicing, cleaning, adjusting, or changing wheels.
- Let the wheel and motor come to a complete stop before opening guards or reaching into the cutting area.

After Each Use (End-of-Shift / Daily)

Cleaning

- Clean grit after use by removing abrasive dust and debris from the base, vise area, guards, and around moving parts.
- Wipe down exposed surfaces and allow the machine to dry, especially after wet cutting or coolant use
- Remove grit buildup around the vise and sliding surfaces.
- Remove grit buildup around guard and hinge points.
- Remove grit buildup from table/base corners and drain areas (if wet cutting).

Quick Inspection

- Verify all guards are in place and move freely with no binding caused by grit.
- Inspect the abrasive wheel for obvious damage or excessive wear (chips, cracks, heavy glazing).
- Verify vise clamping action is smooth and securely holds material.

Weekly

Drive System

- Keep V-belts tight and inspect belt condition for cracking, fraying, or glazing.
- Maintain V-belt tension with approximately 1/2 inch of deflection at the mid-span using firm finger pressure.
- Check pulley alignment to ensure belts track properly and pulleys do not wobble.

General Machine Condition

- Check fasteners for tightness, including vise bolts, guard hardware, and motor mounting bolts.
- Inspect the power cord or electrical conduit for wear or damage.

Monthly

Air-Over-Oil Downfeed System (K12-14MS Specific)

- Inspect air lines and fittings for leaks.
- Drain and service the air supply/filter as needed to maintain clean, dry air.
- Verify the downfeed operates smoothly and is fully controllable, with no sticking or sudden drop.

Cutting Area and Workholding

- Inspect vise jaws for wear or damage and replace or dress as needed.
 - Check pivot points and hinges for smooth movement and clean away accumulated grit.
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