



Kalamazoo K12-14MS

14-inch Abrasive Metallurgical Sectioning Saw (Semi-Automatic)



Built for Lab-Quality Sectioning in a Production Shop

If you run a shop with an in-house lab (or you're building one), the K12-14MS is built for one job: repeatable sample sectioning you can trust. It's an enclosed, semi-automatic 14-inch abrasive metallurgical cutoff saw designed to support consistent sample prep for inspection, documentation, and testing—without the operator-to-operator variation common with basic chop saws.



Key Benefits for Shop & Lab Owners

- Controlled, semi-automatic downfeed helps reduce variability and supports repeatable results.
- Enclosed cutting area with flood coolant helps contain grit and coolant while supporting stable cutting conditions.
- Dual 4-inch movable screw vises improve clamping consistency for coupons, small sections, and irregular parts.
- Oscillation is included to support cutting efficiency during sectioning.

Ideal Applications

- Metallurgical sample prep for micro/macro evaluation
- Sectioning for pre- and post-heat-treat checks
- QA verification cuts for incoming/outgoing inspection
- Failure analysis sample removal from bars, tubes, and forged parts

Key Specifications (Highlights)

Specification	Details
Motor	5 HP, 3-phase, TEFC, 60 Hz, 1750 RPM (as listed by manufacturer)
Spindle speed	2200 RPM
Feed system	Semi-automatic air/oil power downfeed
Feed rate	Adjustable 0–12 FPM with momentary rapid override
Capacity	2.5" solids; 3" shapes
Wheel / arbor	14" wheel (not included); 1" arbor (optional 1.25"/32 mm arbor)
Coolant	Dual coolant nozzles; flood coolant system with 10-gallon tank and 1/3 HP pump
Electrical / safety	Magnetic switch with 24V low-voltage protection
Work light	24V internal halogen light
Build	Steel enclosure with hinged doors
Machine size (approx.)	43" L x 26" W x 60" H
Shipping weight (listed)	About 1000 lb

Options & Accessories

- KW1 spindle wrench
- KC5 5-foot gravity fed conveyor
- 1" spindle bushing
- T-slot table
- Door safety interlock
- Air jawed vises



Installation & Planning Notes

- Plan for 3-phase power. Full load amps (FLA) listed: 13.4A @ 230V or 6.7A @ 460V.
- Select the cutoff wheel based on material type and desired lab finish (wheel is not included).

Next Step

Ready to upgrade your lab sectioning process?

Call **(269) 382-2050** (toll free **800-592-2050**) to discuss your application, or [request a quote online](#).

Hours: Monday–Friday, 8:00 AM–4:30 PM (EST).

Website: kalamazooind.com