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CUSTOM INTEGRATION

Build the Perfect Cutting Station for Your Workflow



The Kalamazoo HS14AS: Compact footprint with flexible mounting options for seamless production line integration

Every fabrication shop operates differently. Production workflows, floor layouts, and material handling systems vary as widely as the products being manufactured. For shops integrating high-speed non-ferrous cutting into existing production lines or building specialized workstations for aluminum, brass, and copper processing, the Kalamazoo Industries HS14AS offers the flexibility that custom setups demand.

Unlike saws locked into rigid configurations, the HS14AS was purpose-built for non-ferrous metal cutting with integration in mind. Whether you're building a dedicated aluminum processing cell, adding high-speed cutting capability to an existing conveyor system, or creating a mobile station for brass and copper work, this saw adapts to your requirements—not the other way around.



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Foundation Options for Any Setup

The HS14AS features a cast iron trunnion and arm that provide exceptional stability while maintaining a compact 22" x 24" footprint. This combination opens multiple mounting possibilities for your non-ferrous cutting operations. The saw can be bolted directly to existing workbenches or integrated into custom steel fabrication tables designed around your specific aluminum, brass, and copper processing requirements.

For shops building dedicated cutting stations, the cast iron trunnion and arm deliver vibration damping that maintains cut quality regardless of the mounting configuration. This means you can position the saw exactly where workflow efficiency dictates without sacrificing performance.

INTEGRATION-READY SPECIFICATIONS

Base Footprint: 22" x 24" • **Working Height:** Configurable • **Electrical:** 3PH 230V/460V

Vise Opening: 5" • **Capacity:** 3" Solids / 4" Shapes • **Weight:** 285 lbs

Workholding That Adapts to Production Demands

The dual screw vises with 5-inch opening accommodate a wide range of stock sizes and shapes. Adjustable threaded front and back stops enable rapid setup for repetitive cuts—critical for production environments where cycle time directly impacts throughput. Operators can dial in precise lengths and maintain accuracy across extended runs without constant measurement and adjustment.

For automated or semi-automated applications, the vise system provides consistent clamping pressure that integrates smoothly with pneumatic or hydraulic material handling systems. The positive workholding eliminates material movement during cutting, ensuring dimensional consistency whether the operator is present or the saw is part of a larger automated cell.

Electrical Flexibility for Industrial Environments

Available in both 230V and 460V three-phase configurations, the HS14AS connects to standard industrial power systems found in manufacturing facilities. The magnetic on/off switch provides positive motor control and includes protection against accidental restart after power interruptions—an essential safety feature when integrating into production lines where unexpected restarts could create hazardous conditions.

The 5HP motor delivers consistent power at 4,400 RPM spindle speed—the high blade velocity that aluminum, brass, copper, and other non-ferrous materials require for clean, burr-free cuts. This performance remains stable regardless of how the saw is integrated into your facility's electrical infrastructure.



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Integration Success Stories

Fabrication shops across the country have integrated the HS14AS into diverse non-ferrous production environments. Aluminum extrusion processors mount the saw inline with roller conveyors for continuous profile cutting. Custom fabrication shops build dedicated workstations with integrated chip collection for high-volume aluminum and brass work. Metal distribution centers create mobile cutting stations for processing copper, bronze, and aluminum stock right where inventory is stored.

The common thread across these applications is the HS14AS's adaptability for non-ferrous cutting. The saw's combination of compact footprint, solid construction, high-speed spindle, and standard industrial interfaces makes it a natural fit for custom non-ferrous installations where off-the-shelf solutions fall short.

Supporting Your Integration Project

Kalamazoo Industries understands that custom integration projects often require technical support beyond standard product documentation. Our team can provide dimensional drawings, electrical specifications, and application guidance to help engineers and integrators plan successful installations.

The one-year parts warranty covers the saw regardless of how it's mounted or integrated, provided installation follows recommended guidelines. Replacement parts remain readily available, minimizing downtime risk for production-critical applications.

PLANNING CUSTOM INTEGRATION?

Contact our team to discuss your application requirements and get the technical specifications you need for successful integration.

Call 800-592-2050 | Visit kalamazooind.com

Proudly Manufactured in the USA

Available in 3-Phase 230V and 460V configurations. Purpose-built for non-ferrous metal cutting.