

KALAMAZOO INDUSTRIES, INC.

S10HD 10" x 90" Industrial Horizontal Belt Sander

Power • Precision • Throughput

For shop owners and machine operators who need flat, repeatable finishes and fast deburring on large parts.

The Kalamazoo S10HD is a 10 HP, American-made dry horizontal belt sander built for continuous industrial use. With a wide 10" x 90" belt, rigid platen, and magnetic controls with jog, it removes stock quickly and leaves a consistent finish—all while extending belt and platen life when used correctly.

At-a-Glance Highlights

- 10" x 90" belt covers large work surfaces
- ≈3500 SFPM belt speed for aggressive removal and finishing
- 10 HP, 3-phase motor (230V or 460V options)
- Magnetic controls with 24V push-buttons + jog
- Steel reversible platen (10" x 29") and 10" x 28" work surface
- Air belt tension (40–50 PSI), one-knob tracking
- 6" port hookup for a dust collection system only (no internal collector)



Spec Snapshot

Category	Feature	Details
Belt & Platen		
Belt & Platen	Belt size	10" x 90"
Belt & Platen	Belt speed	≈ 3500 SFPM
Belt & Platen	Platen	Steel, reversible, 10" x 29"
Belt & Platen	Work surface	10" x 28"
Power		
Power	Motor	10 HP, 3-phase
Power	Voltage options	230V or 460V
Power	Full-load current	24 A @ 230V; 12.5 A @ 460V

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Controls		
Controls	Control type	Magnetic controls with jog
Controls	Safety	24V at on/off push-buttons
Tracking & Tension		
Tracking & Tension	Tracking	One-knob adjustment
Tracking & Tension	Tension	Air belt tension (40–50 PSI)
Drive		
Drive	Transmission	Twin V-belts & pulley
Drive	Bearings	Sealed ball bearings
Dust Collection		
Dust/debris	Collection interface	6" port hookup for a dust collection system only
Dimensions & Weight		
Dimensions & Weight	Shipping dimensions	65" L x 65" W x 60" H (subject to change)
Dimensions & Weight	Shipping weight	≈ 1400 lb (subject to change)
Origin & Warranty		
Origin & Warranty	Country of origin	USA
Origin & Warranty	Warranty	One-year parts (motors by motor manufacturer)

Proven Applications

- Deburring and edge-breaking of laser, plasma, and saw-cut parts
- Flattening large plates and bar stock
- Smoothing parting lines and cleaning welds
- Surface prep prior to coating or bonding
- Sanding wood, plastics, and composites (with appropriate belts)

Operator Tips for Best Finish & Belt Life

1. Oscillate the part right-to-left across the 10" belt to distribute wear.
2. Use the rigid platen for flats; switch to a cushioned belt for blending.
3. Set tracking with the one-knob adjuster before each run; verify under load.
4. Keep a matched set of belts (coarse → fine) and move parts through in batches.
5. Connect your shop's external dust collector to the 6" port hookup for better visibility and finish quality.

5-Minute Daily Maintenance

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- Blow down guards and the stand; check for dust buildup around tracking.
- Verify belt tension (40–50 PSI) and re-seat the belt on the pulleys.
- Inspect platen face; flip/replace if heat checks or grooves appear.
- Spin by hand and listen—sealed bearings should sound smooth and quiet.
- Confirm E-stop and jog function from the magnetic controls.

Safety Checklist

- Wear eye protection and hearing protection; use dust collection whenever possible.
- Verify guards are installed; keep hands clear of the belt and platen.
- Use the work rest to support heavy/long parts—don't freehand large plates.
- Lockout/tagout before changing belts or servicing.
- Train all operators on 24V control logic and jog operation.

Why Shops Upgrade to the S10HD

- Throughput: Wide belt covers more area per pass—less handling, faster jobs.
- Consistency: Rigid platen and tracking produce flat, repeatable results.
- Uptime: Replaceable platen and stocked parts minimize downtime.
- Versatility: Works across metals, wood, and composites with the right belts.
- Made in USA: Local support and one-year parts warranty (motors covered by manufacturer).

Quick FAQ

1. What materials can I sand? Metal, wood, plastics, and composites with appropriate abrasive belts.
2. Is the platen replaceable? Yes. The steel platen is reversible and replaceable to maintain accuracy.
3. Does it have a built-in dust collector?
4. No. It provides a 6" port hookup for a dust collection system only; use your shop's external collector.
5. What power do I need?
6. 10 HP, 3-phase. Order in 230V or 460V; confirm site power with your electrician.

Ordering & Support

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Ready for pricing, lead time, or a formal quote? Request a quote on the product page or call Kalamazoo Industries at (269) 382-2050. Standard parts typically ship within 1-2 business days.

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