



S4S 4" x 36" Industrial Belt Sander

Maintenance Checklist

Model: _____ Serial #: _____ Location: _____ Date: _____

Safety First (Every Time)

- ☐ Unplug / lockout power before changing belts, cleaning, or adjusting tracking.
- ☐ Verify guards are installed and secure before operation.
- ☐ Wear proper PPE (eye/face protection; hearing protection; gloves as appropriate).
- ☐ Keep sparks and dust away from flammables; maintain ventilation / dust collection if used.

Per Shift: Before You Start (2–5 minutes)

Belt and Tracking

- ☐ Confirm the belt is 4" x 36" and correct grit/type for the job.
- ☐ Inspect belt for cuts, torn edges, creases, or a failing splice; replace if damaged.
- ☐ Check belt is centered on the pulleys before powering on.
- ☐ Run briefly and verify tracking; adjust tracking bolt as needed and re-tighten jam nut.

Machine Condition

- ☐ Confirm the work table is secure and set to the desired angle/position.
- ☐ Check that the work area is clear (no loose tools, rags, or debris near the belt).
- ☐ If using dust collection (S4SV only)

Per Shift: After Use (5–10 minutes)

- ☐ Power off and wait for the belt to stop completely before leaving the machine.
- ☐ Brush or vacuum dust from the table, platen area, guard openings, and base/stand.
- ☐ Empty dust collector / debris collector as needed; check filter condition.
- ☐ Wipe exposed metal surfaces to reduce rust (especially after steel grinding).

Weekly (15–30 minutes)

Tracking and Tension System

- ☐ Verify tracking bolt and jam nut hold position during operation.
- ☐ Clean dust/grit from the tension shaft area to prevent sticking and tracking drift.
- ☐ With belt removed, confirm the yoke/tension mechanism moves smoothly through its travel.

Hardware and Alignment

- ☐ Inspect and tighten table hardware, guard fasteners, and stand/base mounting bolts.
- ☐ Inspect cord and switch for damage; repair/replace if worn.

Monthly (30–60 minutes)

Pulley / Belt Path Inspection

- ☐ Inspect pulley surfaces for wear; confirm belt path is free of rubbing/contact points.
- ☐ Check for unusual vibration; verify pulleys run true (no wobble).

Bearings (Sealed Idler Bearings)

- ☐ Listen for bearing noise (growl/squeal) during operation.
- ☐ Check idler pulley for play or roughness; replace sealed bearing pulley if worn.

Quarterly (or every ~250 operating hours)

- ☐ Remove belt and deep-clean inside guard and around tracking/tension components.
- ☐ Inspect platen wear; service/replace if finish quality is inconsistent.
- ☐ Inspect motor mount hardware and pulley/set-screws for tightness.

Replace-If Quick Checks

- ☐ Belt won't track after normal adjustment: try a new belt; clean tension shaft; inspect pulley wear/alignment.
- ☐ Tension system won't fully extend: clean mechanism; replace tension spring if needed.

Notes / Service Log

Date: _____ Operator/Tech: _____

Belt grit installed: _____

Tracking adjustment made? Yes ☐ No ☐

Parts replaced: _____

Issues observed: _____