

# ***KALAMAZOO*** **INDUSTRIES, INC.**

## **S8HD — 8" × 60" Industrial Horizontal Dry Belt Sander**

|             |  |            |  |                |  |
|-------------|--|------------|--|----------------|--|
| Machine No. |  | Serial No. |  | Location/Dept. |  |
| Asset/Tag   |  | Date       |  | Shift / Hours  |  |
|             |  |            |  |                |  |

### **Daily — Pre-Start (Operator)**

| ✓ | Task                                                                               | Notes / Measurements | Initials / Time |
|---|------------------------------------------------------------------------------------|----------------------|-----------------|
|   | Guards/doors secure; fasteners tight; no cracks.                                   |                      |                 |
|   | E-stop and controls test (JOG/RUN selector; do not start belt).                    |                      |                 |
|   | Connect shop air; set regulator to 40 PSI (max 50 PSI).                            |                      |                 |
|   | Air lines, fittings, and cylinder — no leaks.                                      |                      |                 |
|   | Dust collection on; airflow adequate; sparks directed downward/away from operator. |                      |                 |
|   | Belt condition OK (no frays/cuts/creases); correct rotation if lap-spliced.        |                      |                 |
|   | Worktable (if equipped) gap ≤ 1/16" to belt; squared and locked.                   |                      |                 |

### **Daily — During Operation (Operator)**

| ✓ | Task                                                            | Notes / Measurements | Initials / Time |
|---|-----------------------------------------------------------------|----------------------|-----------------|
|   | In JOG, center belt with tracking knob; verify smooth tracking. |                      |                 |
|   | Switch to RUN; observe first minute for drift or rub.           |                      |                 |
|   | Listen/feel for abnormal vibration or bearing noise.            |                      |                 |
|   | Verify dust capture and safe spark direction.                   |                      |                 |

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## **Daily — Post-Shift (Operator)**

| ✓ | Task                                                   | Notes / Measurements | Initials / Time |
|---|--------------------------------------------------------|----------------------|-----------------|
|   | Release air pressure to remove belt tension.           |                      |                 |
|   | Power down; wait for full stop before opening guards.  |                      |                 |
|   | Brush/clean platen, table, guards; clear dust buildup. |                      |                 |
|   | Empty dust collector / check filter as needed.         |                      |                 |
|   | Log hours/issues; tag & lockout if unsafe.             |                      |                 |

## **Weekly — Maintenance (Tech)**

| ✓ | Task                                                                    | Notes / Measurements | Initials / Time |
|---|-------------------------------------------------------------------------|----------------------|-----------------|
|   | Inspect tracking mechanism (knob, plunger) — smooth action.             |                      |                 |
|   | Inspect platen face for grooves/heat; flip/replace if worn.             |                      |                 |
|   | Verify crowned condition of drive/idler pulleys; no glazing/edge wear.  |                      |                 |
|   | Check V-belts for wear/cracking/glaze; inspect sheaves.                 |                      |                 |
|   | Check motor mount pivots/rails; fasteners tight; no belt slip on start. |                      |                 |
|   | Inspect air system: regulator/valve operation; drain/clean as needed.   |                      |                 |
|   | Electrical: cords/conduit/controls intact; E-stop verified.             |                      |                 |
|   | Verify worktable alignment and gap (if equipped) $\leq 1/16"$ .         |                      |                 |

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## **Monthly — Maintenance (Tech)**

| ✓ | Task                                                                            | Notes / Measurements | Initials / Time |
|---|---------------------------------------------------------------------------------|----------------------|-----------------|
|   | Lubricate zerk fitting(s) on platen support assembly (per plant lube standard). |                      |                 |
|   | Check drive/idler spindle bearings for play/noise.                              |                      |                 |
|   | Inspect air cylinder and linkages for smooth stroke & wear.                     |                      |                 |
|   | Inspect/clean inside guards; verify no belt rub.                                |                      |                 |
|   | Verify stand/base integrity; level and anchors tight.                           |                      |                 |

## **Semi-Annual / Annual — Maintenance (Tech)**

| ✓ | Task                                                                        | Notes / Measurements                                                                                                                                                   | Initials / Time |
|---|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
|   | Replace V-belts if cracked/glazed; align sheaves; set motor belt tension.   |                                                                                                                                                                        |                 |
|   | Replace platen if undersize/heat-checked; re-square per spec.               |                                                                                                                                                                        |                 |
|   | Inspect/replace spindle bearings if noisy or hot after use.                 |                                                                                                                                                                        |                 |
|   | Open control enclosure (LOTO); blow out dust; inspect contactor/overload.   |                                                                                                                                                                        |                 |
|   | Full fastener audit: yoke, platen frame, motor mount, guard hinges/latches. |                                                                                                                                                                        |                 |
|   | Belt Change & Tracking — Quick Reference                                    | Turn OFF, release air; fit new belt (observe arrows if lap-spliced), close guard; re-tension. In JOG, center with tracking knob; then switch to RUN. Keep hands clear. |                 |
|   | Air Tension                                                                 | Set regulator to 40 PSI (do not exceed 50 PSI). Release air after daily use to reduce belt stretch.                                                                    |                 |

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|                         |  |           |  |      |  |
|-------------------------|--|-----------|--|------|--|
| Performed By<br>(Print) |  | Signature |  | Date |  |
| Supervisor<br>(Print)   |  | Signature |  | Date |  |
|                         |  |           |  |      |  |

Safety: Wear eye/face protection; secure hair/clothing; operate with dust control; direct sparks downward and away from the operator.