

Handheld belt sanding of bare wood - JSA - C

en-SG · Supervision, records, handover · v1.0 · 2026-10-14 · Sources: article section 9

Site: | Item ID: | Work area:

Approval	Work supervisor	Technical reviewer	Release / handover authority

1. Job details and team signatures

Date / time	Location / area		Assessor		Supervisor	
Team signatures						

2. Conditions and hold points

Stage	Time	Location / area	Environment / readings	Item / condition	Controls	Plant / tools	Approval / signature
HP-0 Start							
HP-1 Inspect belt and tool							
HP-2 Clamp and extract							
HP-3 Check belt travel							
HP-4 Store and handoff							

Complete after actual checks. Recheck after changes, defects or shift handover.

3. JSA risk assessment

Job stage	Hazards and effects	Failure factors	Technical and procedural controls	Site verification	P	S	R	A
1. Material and dust review	1. Harmful exposure 2. Dust ignition 3. Wrong material processed	1. Coating missed 2. Inventory unreviewed 3. Metal residues mixed	1. Verify bare wood and species 2. Assess dust and stock duties 3. Keep collection streams separate	1. Material and surface record 2. Dust and exposure assessment 3. Collector suitability and inventory				
2. Tool acceptance	1. Belt rupture 2. Electric shock 3. Nip contact	1. Torn belt reused 2. Lead damaged 3. Guard absent	1. Inspect disconnected tool 2. Match belt and direction 3. Verify guards and switch	1. Belt size and condition 2. Electrical defect check 3. Guard and control inspection				
3. Bench and capture release	1. Wood ejection 2. Dust cloud 3. Cable contact	1. Clamps weak 2. Collector blocked 3. Lead crosses belt	1. Secure wood and overhang 2. Check capture at inlet 3. Route hose and cable	1. Clamp and end-support checks 2. Hose bin and airflow 3. Cable and working position				
4. Controlled sanding	1. Entanglement 2. Overheating 3. Respiratory exposure	1. Hands near roller 2. Excess pressure 3. Capture lost	1. Maintain both grips 2. Use controlled movement 3. Stop on dust or heat change	1. Grip and guard boundary 2. Belt travel and load 3. Capture and heat observations				
5. Fault and restart	1. Hand injury 2. Repeated drift 3. Hidden fire	1. Moving belt pushed 2. Cause not resolved 3. Heat state ignored	1. Stop and disconnect 2. Inspect belt and extraction 3. Verify controlled test	1. Fault and damage record 2. Safe residual heat state 3. Correction and test evidence				
6. Collection and transfer	1. Dust resuspension 2. Hot waste ignition 3. Defective tool reused	1. Bin opened connected 2. Waste mixed 3. Fault not identified	1. Disconnect before collection 2. Use suitable contained disposal 3. Transfer tool restrictions	1. Isolation and collection method 2. Waste and heat disposition 3. Tool belt and receiving person				

P/S/R/A: Complete only after actual site assessment using the site risk method.

4. Pre-work checklist

☐ Material and surface record	☐ Belt size and condition	☐ Clamp and end-support checks
☐ Grip and guard boundary	☐ Fault and damage record	☐ Isolation and collection method
☐ Collector suitability and inventory	☐ Capture and heat observations	☐ Tool belt and receiving person