

ILLUSIONS AUSTRALIA

SAFE WORK PROCEDURE

SWP 051 – LINISHER

1. PURPOSE AND SCOPE

Minimum requirements for safe operation of fixed linishers/belt sanding machines at Illusions Australia.

Applies to sanding, shaping and deburring approved timber, metal or other suitable materials.

2. AUTHORISATION AND COMPETENCY

Only competent and authorised workers may operate the linisher.

Operators must understand belt direction, work-rest adjustment, entanglement, workpiece ejection, sparks/dust and isolation.

3. REQUIRED PPE

The following PPE must be worn as appropriate:

- Eye protection.
- Hearing protection.
- Safety footwear.
- Respiratory protection where extraction does not adequately control dust.
- Close-fitting clothing; restrain hair and avoid gloves where they could be caught by the moving belt.

4. PRE-START CHECKS

Before commencing work, confirm that:

- Abrasive belt is correct, intact, tensioned and tracking properly.
- Guards and work rests are fitted and secure.
- Gap between rest and abrasive is minimised consistent with manufacturer requirements.
- Extraction is operating for dust-producing work.
- Spark path is controlled for metal work.
- Workpiece can be safely held.
- Emergency stop/switch is accessible.

5. SAFE OPERATING PROCEDURE

1. Set rests/guards with machine stopped.
2. Start extraction where required.
3. Start machine and allow belt to reach normal speed.
4. Present the workpiece to the supported working area using light controlled pressure.
5. Maintain secure grip and keep fingers clear of the belt/rest gap.
6. Work on the correct belt direction so material is driven toward the support, not ejected.
7. Allow hot metal to cool or handle appropriately.

8. Switch off and wait for complete stop before adjustments or cleaning.

6. PROHIBITED PRACTICES

Workers must not:

- Operate with missing guards/rests.
- Use torn, frayed or incorrectly tracking belts.
- Place fingers near the abrasive/rest gap.
- Use excessive pressure.
- Sand unsupported tiny workpieces without a suitable jig.
- Wear loose clothing or entanglement-prone gloves.
- Adjust tracking/rests or clear jams while energised.

7. DUST, SPARKS AND FIRE

Linishers may generate fine combustible dust or hot sparks depending on material.

- Do not mix incompatible dust/spark hazards in an unsuitable extraction system.
- Direct sparks away from combustibles.
- Use appropriate extraction/housekeeping.

8. WORKPIECE EJECTION

Incorrect presentation can pull or throw the workpiece.

- Use the supported/downward-moving side.
- Maintain firm control.
- Use jigs for small or awkward pieces.

9. FAULTS, DAMAGE AND ABNORMAL CONDITIONS

Stop for belt damage, tracking failure, excessive vibration, guard/rest fault, unusual noise, smoke or extraction failure.

Isolate and tag out.

10. SHUTDOWN AND HOUSEKEEPING

- Switch off and wait for belt to stop.
- Isolate before belt changes or close cleaning.
- Vacuum dust/collect metal debris.
- Store abrasives correctly.
- Report defects.

11. EMERGENCY AND INCIDENT RESPONSE

1. Stop the equipment or activity immediately.
2. Isolate the hazard or energy source where safe to do so.
3. Provide or obtain first aid as required.
4. Notify the Foreman, Leading Hand or other authorised Illusions Australia representative.
5. Call emergency services where required.

6. Do not recommence until the incident, defect or unsafe condition has been addressed.

12. STOP WORK REQUIREMENT

Work must stop where:

- Belt/guard/rest is defective.
- Workpiece cannot be controlled.
- Dust/spark controls are inadequate.
- Abnormal vibration or tracking occurs.

No production requirement or deadline takes priority over safe work.

DOCUMENT CONTROL

Document	SWP 051 – Linisher
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Prepared By	Aidan McDonnell
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