

# Risk Assessment Guidance

## Title

Spindle Moulder

This risk assessment has been carried out for spindle moulders located in workshops. This document is a general risk assessment for the use of this equipment but should be reviewed for each location.

The main cause of accidents when using this type of machinery is the operator coming into contact with the cutters as a result of cutters snatching and work piece kick-back.

If you have never used this type of equipment or you are not familiar with the machine, ask your supervisor or the workshop manager to run through how the machine is operated and used safely.



Job Sequence	Hazard Identification	Controls
Conduct pre-operational checks	Poor condition of the guards  Damage to the machine or guards.	This equipment should be regularly inspected in accordance PEWER regulations and maintained in accordance with the manufacturer's guidance. Records of the above should be maintained.  The spindle Moulder must be visually inspected before each use and any faults or damage reported to the workshop manager / supervisor and not used until a competent person has examined it. All guards must be in position when in operation and emergency stop buttons accessible.  The machine must be correctly installed and connected to an extraction or dust collection device.
Operation of spindle moulders	Entanglement with moving parts  Risk: <ul style="list-style-type: none"> <li>• Laceration</li> <li>• Bruising</li> <li>• Abrasions</li> </ul> Manual handling of materials	All guards must be in position when operating, loose clothing, jewellery and long hair should always be kept clear of the moving parts.  The cutter must be fitted correctly and be the correct type for the materials being worked.  Materials being worked must be on a stable work surface and suitably secured prior to starting, larger materials that overhang should be correctly supported.  <b>Goggles rated for impact must be worn at all times.</b>
Materials snatching or kicking back	Contact with cutter  Struck loose	When running through materials you should always use a jig, materials should not be forced through and checked for knots which may cause the bacteria to jam or kickback.  All jigs should be suitable for the material being worked, jigs should have handles so that the material can be secured and worked safely. Backstops should be used to guide materials.
Occupational Health	Muscular Skeletal – Vibration  Noise	Take regular breaks from continuous operation. Wear appropriate PPE (e.g. gloves) especially in cold weather. Conduct periodic maintenance and the use of sharp cutting tools to ensure smoother operation and less vibration.  Hearing protection should be used when routing for prolonged periods due to the noise generated, those working

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	Dust	<p>adjacent to these activities should also be advised to use hearing protection.</p> <p>Ensure that appropriate control measures are implemented to control dust produced when routing, these should be suitable for the materials being worked and should include local exhaust extraction or portable automatic extraction in addition dust masks should be worn and good housekeeping implemented.</p>
Work Environment	<p>General environment, ventilation and lighting levels</p> <p>Space to operate and handle materials safely.</p> <p>Housekeeping.</p>	<p>There must be sufficient light to see the material being worked on clearly.</p> <p>There should be arrangements in place to reduce the dust created from the materials being worked on supported by good housekeeping.</p> <p>Where large amounts of routing are taking place, there may be a risk of creating an explosive environment so monitor the workplace and dust being created.</p> <p>Those who clean the machine must be trained to work safely and know how to clean the machine correctly.</p>
Training	Untrained Person	<p>Only competent / trained people should operate this machine, the supervisor must ensure those using the spindle moulder are familiar with the machine and how to work safely.</p> <p>The Supervisor must ensure that the appointed Health and Safety personnel is notified of any significant changes to these works before they commence.</p>
Personal Protective Equipment	Suitable Clothing Hand Protection	Suitable personal protective equipment (PPE) must be supplied and used, the user must ensure that the PPE is in good condition and being used correctly.
First Aid		<p>Make sure you are aware of the first aid provisions in place.</p> <p>All accidents &amp; near misses must be reported to your Supervisor</p>

**All persons working with this equipment or within close vicinity must sign and show that they have read and understood the risk assessment guidance and that they will follow the above control measures set out whilst working.**

Additional Guidance	COSHH Assessment	Method Statement	Other (Specify)
		N/A	Only trained persons are allowed to operate this equipment.
Name			
Signed			Date