
Overview

This standard addresses the competence required to make timber and timber based products using wood working machinery.

This involves:

- 1 interpreting information
- 2 planning, organising and adopting safe working practices
- 3 selecting and maximising resources
- 4 preparing and setting up machinery to work timber and timber-based materials to a specification

The standard is aimed at operators working in a furniture wood machining environment.

Set up and operate woodworking machinery

Performance criteria

- You must be able to:*
- P1 obtain and clarify all necessary information
 - P2 obtain and check the resources to make sure they are suitable for the work and meet the information requirements
 - P3 take the necessary corrective action when resources are incomplete or unsuitable
 - P4 set up the machinery to enable it to be used safely and effectively and to meet the information requirements
 - P5 confirm that the machinery is ready and able to carry out the relevant machining operations on the specified materials
 - P6 identify when repairs to machinery are necessary and/or when replacement is required
 - P7 comply with the relevant health and safety legislation throughout the operation of the machinery
 - P8 ensure that support personnel are in place before and during operations
 - P9 operate and maintain the machinery in compliance with manufacturer's recommendations and industry codes of practice
 - P10 produce finished machined products which conform to the information requirements
 - P11 complete the machining operations within the allocated times and operational constraints
 - P12 take the necessary corrective action in the event of machinery malfunction or material fault

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Knowledge and understanding

You need to know and understand:

- K1 the relevant health and safety legislation for the particular machines to be used
- K2 which sources of information to use
- K3 the location of resources you will need
- K4 relevant dimensional control aids and their uses,
- K5 how to run the machine operating systems
- K6 how to achieve the correct positioning and securing of tooling
- K7 the names, characteristics, uses and limitations of timber and timber-based materials
- K8 the compatibility of materials with machines
- K9 common defects and discrepancies in materials and machines that can occur, and how to identify them
- K10 the use of relevant lubricants
- K11 environment control equipment used with the machines
- K12 documentation requirements you need to follow
- K13 the particular machine to be used
- K14 how to interpret specifications
- K15 the names, characteristics, uses and limitations of sawing, planing and morticing machines
- K16 how damage can be caused to materials and machines and how to avoid it
- K17 safe methods for removal and disposal of waste materials/components relating to your occupation

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Additional Information

Scope

Resources

The resources covered by this standard address both machinery and materials as well as support personnel and job documentation.

Typical machinery within furniture manufacture would include:

- 1 table saw
- 2 sanding machine
- 3 band saw
- 4 narrow band saw
- 5 dimension saw
- 6 cross-cut saw
- 7 rip saw
- 8 planer/thicknesser
- 9 mortice machine / chisel morticer
- 10 CNC machines

Typical materials within furniture manufacture would include:

1. timber
2. timber-based materials

Setting up

Setting up covers the preparation of:

- 1 jigs and templates
- 2 work-piece supports
- 3 safety appliances
- 4 environmental control equipment

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Suite Wood Processing

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