



Australian Government

MEM04018 Perform general woodworking machine operations

Release: 1

MEM04018 Perform general woodworking machine operations

Modification History

Release 1. Supersedes and is equivalent to MEM04018B Perform general woodworking machine operations

Application

This unit of competency defines the skills and knowledge required to set up and operate woodworking machines used by engineering patternmakers and marine fabricators.

Where the interpretation of technical drawings is required unit MEM09002 Interpret technical drawing should also be selected.

Where the selection and use of power tools for hand held operations is required unit MEM18002 Use power tools/hand held operations should also be selected.

Note: This unit does not cover the use of woodworking machines for furniture and building construction.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Band: A

Unit Weight: 4

Pre-requisite Unit

MEM11011	Undertake manual handling
MEM12023	Perform engineering measurements
MEM13015	Work safely and effectively in manufacturing and engineering
MEM16006	Organise and communicate information
MEM18001	Use hand tools

Competency Field

Casting and moulding

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

1	Determine job requirements	1.1 Follow standard operating procedures (SOPs) 1.2 Comply with work health and safety (WHS) requirements at all times 1.3 Use appropriate personal protective equipment (PPE) in accordance with SOPs 1.4 Identify job requirements from specifications, sketches, job sheets or work instructions
2	Set up woodworking machines	2.1 Select appropriate woodworking machine to meet specifications 2.2 Select tools and cutters appropriate to task requirements 2.3 Sharpen and/or shape cutting tools as required 2.4 Install tools and cutters in an appropriate manner according to procedures 2.5 Set and adjust guards and stops
3	Operate woodworking machines	3.1 Position and secure material to be machined 3.2 Machine materials to specification 3.3 Optimise material use and minimise waste
4	Check finished component	4.1 Check machined component against specifications and predetermined finish

Foundation Skills

This section describes those required skills (reading, writing, oral communication and numeracy) that are essential to workplace performance in this unit of competency.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

- Job requirements include one (1) or more of the following:**
- sizing
 - appearance in terms of figure, grain or surface finish
 - allowance of imperfections, including:
 - twist
 - bow
 - bend
 - sloping grain
 - knots
 - shakes
 - gum veins

- Woodworking machines include one (1) or more of the following:**
- band saws
 - buzzers
 - thicknesses
 - disk sander
 - bobbin sander
 - pattern mill
 - wood lathe
 - pedestal router and drill

- Set up includes the following:**
- installation of the blades and cutters
 - settings for the job including adjustments for sizing and speed

- Cutting tools include one (1) or more of the following:**
- blades
 - outer bits

- Guards/stops include:**
- fixed and variable guards and stops

Unit Mapping Information

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Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>