



Australian Government

MEM07032 Use workshop machines for basic operations

Release: 1

MEM07032 Use workshop machines for basic operations

Modification History

Release 1. Supersedes and is equivalent to MEM07032B Use workshop machines for basic operations

Application

This unit of competency defines the skills and knowledge required to use workshop machines for basic operations in maintenance or jobbing environment.

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

Where the selection and use of engineering measurement is required unit MEM12023 Perform engineering measurements should also be selected.

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

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

Band: A

Unit Weight: 2

Pre-requisite Unit

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

Competency Field

Machine and process operations

Elements and Performance Criteria

Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
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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 machine	2.1	Select appropriate machine and tools to meet work requirements
		2.2	Sharpen cutting tools, as required
		2.3	Install tools according to procedures
		2.4	Set guards and adjust, as required
3	Operate machine	3.1	Mount material to be machined and secure using clamping device/ appropriate to the material and work requirements
		3.2	Operate machine to suit work and material requirements
		3.3	Check machined component against work requirements and predetermined finish
		3.4	Make adjustments, as required

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, accessibility of the item, and local industry and regional contexts) are included.

Machines include one (1) or more of the following:

- lathe
- radial arm drill
- mill

Cutting tools include one (1) or more of the following:

- lathe tools
- milling cutters
- drills

Materials include one (1) or more of the following:

- ferrous
- non-ferrous

Clamping devices include one (1) or more of the following:

- chucks
- vices
- clamps
- bars and packing

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>