



Australian Government

MEM08001 Perform wire, jig and barrel load/unload work

Release: 1

MEM08001 Perform wire, jig and barrel load/unload work

Modification History

Release 1. Supersedes and is equivalent to MEM08001B Perform wire, jig and barrel load/unload work

Application

This unit of competency defines the skills and knowledge required to load barrels for mass finishing processes, undertake jig work for non-electrolytic processes, undertake wire jig and rack work for electrolytic processes, and unload and remove jigs after finishing.

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 tools is required unit MEM18001 Use hand tools and unit MEM18002 Use power tools/hand held operations, as appropriate should also be selected.

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
MEM13015	Work safely and effectively in manufacturing and engineering
MEM16006	Organise and communicate information

Competency Field

Surface finishing

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)

Elements describe the essential outcomes.		Performance criteria describe the performance needed to demonstrate achievement of the element.	
		requirements at all times	
		1.3	Use appropriate personal protective equipment (PPE) in accordance with SOPS
		1.4	Identify job requirements from specifications, job sheets or work instructions
2	Load barrels for mass finishing processes	2.1	Load machinery taking into account load mass
		2.2	Secure machine access openings in accordance with SOPS
3	Undertake jig work for non-electrolytic processes	3.1	Secure components appropriately using SOPS
4	Undertake wire jig and rack work for electrolytic processes	4.1	Select type and size of wire or rack and inspect for conformance to specification
		4.2	Identify damaged racks for repair or replacement
		4.3	Secure components presenting appropriate faces according to procedures
5	Unload and remove jigs after finishing	5.1	Unload and stack components without causing damage to the finish following SOPS
		5.2	Remove and store jigs following SOPS

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.

Non-electrolytic processes include one (1) or more of the following:

- degreasing
- de-scaling
- surface blasting
- flame cleaning
- wet blasting
- grinding
- polishing
- wet coating
- powder coating
- electroplating
- anodising
- electroless plating
- electrophoretic coating
- hot dip metallising

Damaged racks include one (1) or more of the following:

- damage to plastic coating or contact points
- ensuring good electrical contact
- positioning to facilitate optimum thickness on significant surfaces
- avoidance of gas entrapment
- position of contact marks

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>