



Australian Government

MSFFM2018 Operate basic static machines safely

Release: 1

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Modification History

Release 1. Changes to code, application, elements, performance criteria, assessment requirements. Foundation skills added. Range of conditions removed. Assessment requirements changed.

Application

This unit describes the skills and knowledge required to safely operate basic stationary machinery used in industries such as wood machining and cabinet and furniture making. Workers with this competency undertake basic operations. More advanced skills in setting up, maintaining and using machines to their full capacity are covered in units dedicated to specific machine types.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Competency Field

Wood machining

Elements and Performance Criteria

Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1 Prepare for task	1.1 Identify task requirements from work instructions 1.2 Identify and follow work health and safety requirements 1.3 Select material for machining based on job requirements and check that it meets task quality requirements 1.4 Check that emergency stops, gauges, guards, controls and safety equipment are functional prior to machine start-up 1.5 Complete machine settings and adjust to meet task requirements in compliance with manufacturer instructions 1.6 Follow workplace procedures for machine start-up 1.7 Complete trial run to check machine is operating correctly and report any problems to supervisor
2 Operate machines	2.1 Feed material into machine in accordance with manufacturer instructions, safety requirements and workplace procedures 2.2 Operate machine in accordance with its designed capacity and purpose, and to manufacturer recommendations

	2.3 Identify items that do not meet quality requirements and recycle or discard in accordance with workplace procedures 2.4 Recognise problems with product or machine operation and report to appropriate persons in accordance with workplace procedures
3 Finalise task	3.1 Clean work area, safely dispose of waste and identify items for recycling in accordance with workplace procedures and environmental standards 3.2 Clean machinery, complete routine maintenance and leave in a safe mode in accordance with workplace procedures 3.3 Identify, tag and report faulty equipment in accordance with workplace procedures 3.4 Complete task documentation in accordance with workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

- Reading skills to interpret familiar workplace procedures.
- Writing skills to communicate simple information in familiar workplace documents.
- Numeracy skills to interpret work instructions associated with number or measurement.

Other foundation skills essential to performance are explicit in the performance criteria of this unit.

Unit Mapping Information

Release 1. Supersedes and is not equivalent to MSFFM2010 Set up and operate basic static machines.

Links

Companion Volume implementation guides are found in VETNet –

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>

Assessment Requirements for MSFFM2018 Operate basic static machines safely

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Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- safely operate at least 5 of the following static machines on at least 2 occasions each to complete specified tasks to workplace quality standards:
 - band saw
 - crosscut saw
 - panel saw
 - rip saw
 - edge bander
 - hinge borer
 - thicknesser
 - jointer
 - wide belt sander.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- safety requirements and considerations for operation of static machines:
 - correct positioning of hands and body in relation to the machine
 - importance of grain direction in solid timber for the safe positioning of the work piece in the machine
 - correct use of machine guards and safety devices, including Australian Standards requirements
 - how to prevent kick back of work piece in the machine
 - required dust extraction for the materials being used
- characteristics of static machines used in machining materials, including at least 5 of the following:
 - band saw
 - compound mitre saw/crosscut saw
 - panel saw

- rip saw
- edge bander
- hinge borer
- thicknesser
- jointer
- personal protective equipment (PPE) required for operation of static machines
- characteristic of manufactured board and solid timber in response to machining
- edge treatments
- selecting the correct face on double sided flat panels for the finished situation
- importance of using correct tooling for the machine and operation being performed
- workplace procedures for:
 - quality assurance and tolerance levels
 - reporting of machinery faults and material defects.
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Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - static machines required for performance evidence
 - PPE
 - unprocessed materials for machining
 - workplace procedures.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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