MSFFM3037 Set up, operate and maintain routing and shaping machines

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 and efficiently set up, operate and maintain routing and shaping machines using their full potential and capacities to complete tasks such as moulding, grooving, shaping and rebating materials. Workers with this competency follow established procedures in wood technology industries, using discretion, judgement and problem solving to identify and troubleshoot product and machine issues.

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 Determine task requirements and routing and shaping specifications from work documentation
	1.2 Identify and follow work health and safety requirements
	1.3 Select material for machining and check it meets task quality requirements
	1.4 Check that cutting tools, jigs and other required tools and equipment are available, safe and functional
	1.5 Identify procedures for waste minimisation and energy efficiency while completing task

2 Set up machines	2.1 Check that emergency stops, gauges, guards, controls and safety equipment are functional prior to machine start-up
	2.2 Complete machine settings and adjust to meet task requirements in compliance with manufacturer instructions
	2.3 Complete trial runs to check that machine is fully functional and that finished work meets task accuracy and quality requirements
	2.4 Identify and make necessary adjustments to machine settings to meet task quality and efficiency requirements
3 Operate machines	3.1 Follow machine start-up procedures in accordance with manufacturer instructions
	3.2 Position material to be machined in accordance with manufacturer instructions, tooling requirements, and safe handling and workplace procedures
	3.3 Operate machine in accordance with its designed capacity and purpose, and to manufacturer recommendations
	3.4 Monitor machine operation to ensure product quality and output
	3.5 Identify items that do not meet quality requirements and recycle or discard in accordance with workplace procedures
	3.6 Recognise problems with product or machine operation and resolve or report to appropriate persons in accordance with workplace procedures
4 Finalise task	4.1 Clean work area, safely dispose of waste and identify items for recycling in accordance with workplace procedures and environmental standards
	4.2 Clean machinery, complete routine maintenance and leave in safe mode in accordance with workplace procedures
	4.3 Identify, tag and report faulty equipment in accordance with workplace procedures
	4.4 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, work documentation involving drawings and product specifications
- Writing skills to communicate information in familiar workplace documents
- Numeracy skills to measure and calculate lengths, degrees and areas and estimate material requirements.

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

Unit Mapping Information

Release 1. Supersedes and is equivalent to MSFFM3017 Set up, operate and maintain routing and shaping machines.

Links

Companion Volume implementation guides are found in VETNet – -
https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73