



**Australian Government**

# **FWPTMM2204 Machine material**

**Release: 1**

## FWPTMM2204 Machine material

### Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 5.0.

### Application

This unit of competency describes the skills and knowledge required to set up and operate basic static machines used for sawing, planing, sanding and drilling. This includes identifying requirements in a work order, following workplace health and safety procedures, planning machining processes, setting up and operating static machines and performing routine machine maintenance.

The unit applies to individuals who operate basic static machines in a timber processing or manufacturing facility.

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

### Pre-requisite Unit

Nil

### Unit Sector

Timber Manufactured Products

Timber Merchandising

### Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for machining	1.1 Review work order and check with appropriate personnel 1.2 Review workplace health and safety procedures, including the use of personal protective equipment, equipment lock-out and safe manual handling techniques 1.3 Identify, assess and take actions to mitigate risks and hazards

<b>Elements</b>	<b>Performance Criteria</b>
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	<p>associated with machining material</p> <p>1.4 Identify workplace environmental protection procedures for minimising and disposing of waste material, cleaning tools and equipment, and maximising energy efficiency</p> <p>1.5 Obtain type and quantity of material to be machined from storage location</p> <p>1.6 Select appropriate equipment, and check for operational effectiveness according to manufacturer recommendations</p> <p>1.7 Plan material machining process according to work order</p>
2. Set up machines	<p>2.1 Check safety equipment, including emergency stops, gauges, guards and controls</p> <p>2.2 Complete machine settings and adjustments according to job requirements and manufacturer instructions</p> <p>2.3 Complete trial runs to check machine operation and accuracy and quality of finished work</p> <p>2.4 Accept or reject trialled material, and reuse, recycle or dispose of according to workplace and environmental protection practices</p> <p>2.5 Adjust machine setting as necessary</p>
3. Operate machines	<p>3.1 Complete equipment pre-start-up checks according to workplace procedures</p> <p>3.2 Operate machine according to manufacturer instructions, safe operating procedures and environmental protection practices</p> <p>3.3 Monitor machine operation to ensure product quality and output</p> <p>3.4 Repair sub-quality items to minimise waste, and recycle or discard others according to workplace and environmental protection practices</p> <p>3.5 Stack material safely in designated location according to work order requirements</p>
4. Complete operator maintenance	<p>4.1 Follow workplace safety procedures to lock out equipment</p> <p>4.2 Keep machine area clear of dust, off-cuts and debris according to safety and site requirements</p> <p>4.3 Inspect saw blade, knife, drill or sanding belt condition according to workplace and manufacturer guidelines</p> <p>4.4 Inform appropriate personnel of need to replace saw blade, knife, drill or sanding belt according to workplace and manufacturer</p>

<b>Elements</b>	<b>Performance Criteria</b>
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	procedures 4.5 Record and report machining outcomes, equipment faults and maintenance requirements to appropriate personnel

## Foundation Skills

*This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.*

<b>Skill</b>	<b>Description</b>
Reading	<ul style="list-style-type: none"> <li>Interprets key requirements in workplace health and safety and environmental procedures for clearing sawn waste from work area</li> </ul>
Writing	<ul style="list-style-type: none"> <li>Completes basic written production reports and tally sheets</li> </ul>
Oral communication	<ul style="list-style-type: none"> <li>Responds to oral questions on routine matters related to output quality</li> </ul>
Numeracy	<ul style="list-style-type: none"> <li>Uses basic arithmetic skills to identify quantities of required material within work plans, and counts raw materials</li> </ul>
Navigate the world of work	<ul style="list-style-type: none"> <li>Follows workplace policies and procedures relevant to work role</li> </ul>
Interact with others	<ul style="list-style-type: none"> <li>Participates in conversations to inform maintenance staff about equipment faults</li> </ul>
Get the work done	<ul style="list-style-type: none"> <li>Identifies and responds to routine problems</li> </ul>

## Unit Mapping Information

<b>Code and title current version</b>	<b>Code and title previous version</b>	<b>Comments</b>	<b>Equivalence status</b>
FWPTMM2204 Machine material	FWPTMM2202 Machine material	Reworded application; revised performance criteria and evidence for mapping; updated foundation skills; minor edits/updates to knowledge	Equivalent unit

		evidence	
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## Links

Companion Volumes, including Implementation Guides, are available at VETNet: -  
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>