



**Australian Government**

# **FWPCOT3281 Manufacture profile cutters**

**Release: 1**

## FWPCOT3281 Manufacture profile cutters

### 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 manufacture profile cutters by selecting appropriate material and machining blanks to specified profiles. Profile cutters are used in moulders and planers to produce profiled timber.

The unit applies to individuals who manufacture profile cutters in a saw technician workshop or sawmill facility.

All work must be carried out to comply with workplace procedures, according to state/territory health and safety regulations, legislation and standards that apply to the workplace.

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

### Pre-requisite Unit

Nil

### Unit Sector

Common Technical (COT)

### 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 to manufacture profile cutter	1.1 Review work order to determine job requirements and, where required, seek clarification from appropriate personnel 1.2 Review workplace health and safety requirements, including the use of personal protective equipment, equipment lock-out and safe manual handling techniques

<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>1.3 Identify, assess and take actions to mitigate risks and hazards associated with manufacturing profile cutters</p> <p>1.4 Identify environmental workplace procedures for minimising and disposing of waste material, cleaning tools and equipment, and maximising energy efficiency</p> <p>1.5 Obtain information about timber and equipment, and review to determine the preferred material type and profile cutter dimensions</p> <p>1.6 Select the required tools and equipment, and check for operational effectiveness</p> <p>1.7 Select material and cut to suitable lengths for machining profile cutter blank</p>
2. Machine blank	<p>2.1 Use equipment according to workplace safety procedures, manufacturer instructions and environmental protection practices</p> <p>2.2 Determine blank dimensions, industry standards and workplace tolerances according to work order</p> <p>2.3 Set up machining equipment according to manufacturer instructions</p> <p>2.4 Machine blank to the required dimensions and tolerances using selected processes</p> <p>2.5 Check blank surface finish and dimensions against specifications</p>
3. Machine required profiles	<p>3.1 Position blank in suitable attachments to machine tooth profiles</p> <p>3.2 Complete set-up and machine blanks to ensure each tooth profile and dimension meets required tolerances</p> <p>3.3 Check profile surface finish and dimensions against specifications regarding material to be cut, speed, direction and cutting angle</p> <p>3.4 Dispose of sub-standard profiled material according to workplace procedures and environmental protection practices</p> <p>3.5 Record and report production output, processing problems and equipment faults to appropriate personnel</p>

## 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.*

Skill	Description
Numeracy	<ul style="list-style-type: none"> <li>Completes precise calculations to machine and profile cutters to specified diameters, profiles, widths, lengths and angles within tolerances</li> </ul>
Navigate the world of work	<ul style="list-style-type: none"> <li>Understands main tasks, responsibilities and boundaries of own role</li> </ul>
Interact with others	<ul style="list-style-type: none"> <li>Uses modes of communication suitable to purpose to confirm and clarify understanding</li> </ul>
Get the work done	<ul style="list-style-type: none"> <li>Recognises and responds to routine problems</li> </ul>

## Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT3281 Manufacture profile cutters	FWPCOT3213 Manufacture cutting tools	Updated application for clarity; reworded element 1; revised knowledge evidence; updated unit code and title for clarity and compliance	Equivalent unit

## Links

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