



Australian Government

FWPCOT3213 Manufacture cutting tools

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPICOT3213B Manufacture cutting tools, which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. This is the first release of this unit in the new standards format.

Application

This unit of competency describes the outcomes required to manufacture cutting tools by selecting appropriate material and machining blanks to specified profiles. Work is completed in a wood products factory setting.

The unit applies to Sawdoctor, Saw Repairer.

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

Pre-requisite Unit

Nil

Unit Sector

Common Technical; applies across sectors

Elements and Performance Criteria

<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions.</i>
1. Select required material	1.1 Review work order and where required check with appropriate personnel. 1.2 Obtain information about timber and equipment and review to determine preferred material type and cutting tool dimensions. 1.3 Select appropriate personal protective equipment and check for operational effectiveness. 1.4 Select material and cut to suitable lengths for machining cutting tool

	<p>blank.</p> <p>1.5 Plan processes to produce blank in line with work order.</p>
2. Machine blank	<p>2.1 Use equipment in line with organisational safety procedures, manufacturer's instructions and environmental protection practices.</p> <p>2.2 Determine blank dimensions and tolerances in line with work order.</p> <p>2.3 Set up machining equipment in line with manufacturer's recommendations and industry practices.</p> <p>2.4 Machine blank to 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.</p> <p>3.4 Dispose of sub-standard profiled material in line with environmental protection practices.</p> <p>3.5 Record and report processing problems and equipment faults to appropriate personnel.</p>

Foundation Skills

This section describes those core and employment skills that are essential to performance and are not explicit in the performance criteria.

Numeracy skills to:	<ul style="list-style-type: none"> complete precise calculations to machine and profile cutting tools to specified diameters, profiles, widths, lengths and angles within tolerances.
Oral communication skills to:	<ul style="list-style-type: none"> ask open and closed probe questions and actively listen to clarify contents of work orders.
Reading skills to:	<ul style="list-style-type: none"> interpret: <ul style="list-style-type: none"> workplace health and safety and other organisational procedures work orders manufacturers' instructions and maintenance recommendations.
Writing skills to:	<ul style="list-style-type: none"> complete basic accurate records for processing problems and equipment faults.

Planning and organising skills to:	<ul style="list-style-type: none">efficiently and logically sequence the stages of preparation and profiling activities using work order to guide activities.
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Range of Conditions

Not Applicable

Unit Mapping Information

FPICOT3213B Manufacture cutting tools

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>