



Australian Government

FWPCOT3337 Operate timber finger jointing line

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 8.0.

Application

This unit of competency describes the skills and knowledge required to operate a timber finger jointing line. This includes performing pre-operational checks, carrying out in-feed operations, monitoring finger jointing operations and performing out-feed operations.

The unit applies to timber products operators involved with the production of finger jointed timber in a wood products production 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 for timber finger jointing operation	1.1 Determine job requirements from work order or instruction, and where required, seek clarification from appropriate personnel 1.2 Confirm workplace health and safety and environmental protection practices and/or procedures for task, including use of personal protective equipment

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.3 Confirm legislation, standards and codes of practice relevant to finger jointing operations 1.4 Identify and assess hazards and take actions to mitigate risks related to operation of finger jointing machinery 1.5 Complete machine pre-operational checks according to manufacturer instructions and workplace procedures 1.6 Check upstream and downstream processing stages to ensure readiness for production 1.7 Communicate with team members, if applicable, to coordinate work operations 1.8 Confirm quality and quantity of raw materials for production requirements
2. Perform in-feed operations	2.1 Carry out machine start-up procedures according to manufacturer instructions and workplace procedures 2.2 Remove foreign matter that could affect cutters and saws 2.3 Identify and confirm cross-section of cleats/shooks to match finger jointing machine set-up 2.4 Load cleats/shooks to conveyor 2.5 Reject cleats/shooks not meeting grading requirements 2.6 Feed cleats/shooks to jointing operation
3. Monitor timber finger jointer operation	3.1 Run automatic jointing process and regularly check correct operation of all sections 3.2 Maintain in-feed rate to match capability of machine and production requirements 3.3 Monitor product quality regularly and make required adjustments 3.4 Operate finger jointer to minimise misfeeding 3.5 Check and adjust settings for glue curing 3.6 Clean and fill glue spreader according to manufacturer instructions and workplace procedures 3.7 Clear work area regularly according to workplace procedures 3.8 Identify routine processing and equipment faults and resolve or report to appropriate personnel
4. Perform out-feed	4.1 Monitor finger jointed product quality to identify defects

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
operations	4.2 Remove defective finger jointed product for recycling, reuse or disposal 4.3 Stack, package and label finger jointed products 4.4 Complete production and quality records and report according to workplace procedures
5. Perform post-operation checks of finger jointer	5.1 Shut down and isolate finger jointing machine according to workplace safety procedures 5.2 Clean machine according to manufacturer instructions 5.3 Conduct visual inspection of machine according to workplace procedures 5.4 Check condition of blades and cutters 5.5 Record and report 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.

Skill	Description
Reading	Extract routine information from work orders and manufacturer instructions for finger jointer
Oral communication	- Ask open and closed questions and use active listening techniques to clarify contents of work orders - Convey information to others using industry terminology
Numeracy	Estimate quantities and dimensions of materials used in timber finger jointing operations

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status

FWPCOT3337 Operate timber finger jointing line	FWPCOT2209 Produce finger jointed timber	New unit title Revised and updated all unit components	Not equivalent
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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>

Assessment Requirements for FWPCOT3337 Operate timber finger jointing line

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has operated a finger jointing line, either individually or in a team, for one production run according to workplace safety and operating procedures, and produced finger jointed timber as directed by work instructions.

In performing this work, the individual has:

- complied with legislation, standards and codes of practice relevant to finger jointing operations
- completed pre-operational checks and start-up procedures for finger jointer
- checked, loaded and fed cleats/shooks to joining operations
- monitored operation to ensure continuity of production, minimise misfeeding and achieve required product quality
- removed substandard timber jointed product and stacked, packaged and labelled finger jointed products
- reported on production outcomes and product quality
- inspected finger jointer condition and notified appropriate personnel of any faults or maintenance needs.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- purpose and function of timber finger jointer
- key requirements of legislation, standards and codes of practice relevant to finger jointing operations
- operating parameters and capability of timber finger jointing line specific to workplace environment, including:
 - maximum and minimum shook cross-sections
 - maximum and minimum shook lengths

- maximum and minimum output lengths
- throughput speed
- operating components of timber finger jointing line, including:
 - face-to-face or edge-to-edge joint profile
 - trim saws
 - conveyor
 - scoring saws
 - glue applicator
 - cut off saw
 - press
 - crowder
 - automatic stacker
- types of glue used for producing finger jointed timber
- range of industry standard cross-sections for timber, their strength, tolerances and applicable terminology
- methods for assessing condition of cutters and blade associated with timber finger jointing line
- monitoring processes in timber finger jointing operations
- workplace procedures specific to producing finger jointed timber, including:
 - health and safety, with particular emphasis on the use of personal protective equipment and equipment lock-out
 - use and maintenance of equipment
 - communication reporting lines
 - recording and reporting production outcomes and equipment faults
 - environmental protection requirements and practices.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a timber processing plant, a timber products manufacturing plant or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - finger jointer machine
 - personal protective equipment required for operation of finger jointer machine
 - cleats/shooks and glue used in finger jointing operations
- specifications:
 - workplace health and safety and environmental protection policies and/or procedures applicable to finger jointing operations

- workplace procedures for finger jointing operations.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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