

Modification history

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

| FWPCOT3XXX | Set up and maintain timber finger jointing line |
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| Application | <p>This unit of competency describes the skills and knowledge required to coordinate finger jointing operations, including planning schedules for operators, setting up equipment for production runs, resolving processing problems and coordinating equipment shutdown and maintenance.</p> <p>The unit applies to individuals who coordinate the production of finger jointed timber in a timber processing or manufacturing facility.</p> <p>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.</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p> |
| Prerequisite Unit | Nil |
| Unit Sector | Common Technical (COT) |

| 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. Establish finger jointing schedule | 1.1 Access data in production orders on grades, quantities, cross-sections and end use to plan finger jointing schedule 1.2 Develop and document finger jointing schedule to ensure optimum production outcomes 1.3 Communicate finger jointing schedule to operators according to workplace procedures |
| 2. Coordinate operation of finger jointing line | 2.1 Check finger jointing equipment for safety and operational effectiveness, and adjust set-up to meet production requirements 2.2 Select, check and prepare cutters to suit finger profile and timber cross-sections 2.3 Set feed rates, guides, conveyors, glue spreader and curing controls to satisfy finger profile, timber cross-section characteristics and glue requirements 2.4 Coordinate cutting of trial timber joints and check finger profiles against specifications 2.5 Coordinate machining of trial cleat and join and test for strength and appearance 2.6 Accept or reject trialled timber according to workplace procedures and quality standards 2.7 Resolve any machining problems and make final adjustments to equipment set-up according to workplace procedures and production requirements 2.8 Coordinate start-up of finger jointing line in conjunction with operators according to workplace procedures and manufacturer specifications 2.9 Monitor finger jointing operation to ensure safety, product quality and output 2.10 Identify routine processing and equipment faults, and resolve or report to appropriate personnel according to workplace procedures 2.11 Record and report production outcomes according to workplace procedures |

| Elements | Performance Criteria |
|--|---|
| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i> |
| 3. Coordinate shutdown and maintenance | 3.1 Coordinate finger jointing line shutdown with operators according to workplace safety procedures 3.2 Assist maintenance personnel to identify and resolve equipment faults 3.3 Plan and coordinate routine maintenance of finger jointing equipment according to workplace procedures and maintenance schedules |

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 | <ul style="list-style-type: none"> Interpret familiar workplace documents including manufacturer instructions for finger jointer |
| Oral communication | <ul style="list-style-type: none"> Ask open and closed probe questions and actively listen to clarify contents of work orders and production documentation |

Unit Mapping Information

| Code and title current version | Code and title previous version | Comments | Equivalence status |
|--|--|---|--------------------|
| FWPCOT3XXX Set up and maintain timber finger jointing line | FWPCOT3288 Set up, operate and maintain finger jointing machines | Revised Unit Title Updated Foundation Skills | 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>

| TITLE | Assessment requirements for FWPCOT3XXX Set up and maintain timber finger jointing lines |
|---|---|
| Performance Evidence | |
| <p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.</p> <p>There must be evidence that the individual has coordinated the operation of a finger jointing line for one production cycle.</p> <p>In performing this task, the individual has:</p> <ul style="list-style-type: none"> • developed and documented a finger jointing schedule • communicated the finger jointing schedule to operators • identified and responded to processing and equipment faults • completed production reports • coordinated routine maintenance of finger jointing equipment. | |

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| Knowledge Evidence | |
| <p>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:</p> <ul style="list-style-type: none"> • operational capacity of finger jointing equipment • workflow processes for finger jointing operations • methods of determining finger jointing schedules to maximise equipment, labour and material use • format, content and use of finger jointing schedules • monitoring processes for jointing machines and overall production process • typical processing and equipment faults and solutions for minimal production disruption • industry standard cross-sections, their strength, tolerances and applicable terminology • purpose, features, operation and maintenance requirements of automated finger jointing line: <ul style="list-style-type: none"> • finger jointing machine stations and equipment • safety features • glue spreader • conveyors • types of risk and hazards and mitigation measures associated with finger jointing operations • workplace policies and procedures specific to finger jointing operations: <ul style="list-style-type: none"> • health and safety, with particular emphasis on equipment lock-out, use of personal protective equipment (PPE) and safe manual handling techniques • use of finger jointing machine and equipment • communication reporting lines • recording and reporting finger jointing schedules, production outcomes and maintenance schedules, equipment faults and maintenance requirements • environmental protection practices for timber processing and manufacturing facilities: <ul style="list-style-type: none"> • reducing water and energy use • cleaning plant, tools and equipment • disposing of, recycling and reusing timber and other waste. | |

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| Assessment Conditions | |
| <p>Assessment of the skills in this unit of competency must take place under the following conditions:</p> <ul style="list-style-type: none"> • physical conditions: <ul style="list-style-type: none"> • skills must be demonstrated in a timber processing or manufacturing facility or an environment that accurately represents workplace conditions • resources, equipment and materials: <ul style="list-style-type: none"> • computers, keyboards, printers and software used to prepare finger jointing schedules and maintenance documents • automated finger jointing line • consumable glue and cutters • PPE suitable for finger jointing operations • timber for finger jointing operations • specifications: | |

| Assessment Conditions | |
|---|---|
| <ul style="list-style-type: none">• production orders with workplace information about grades, quantities and cross-sections for specified finger jointed timber products• template documents for recording finger jointing schedules, production outcomes, and maintenance schedules for finger jointing equipment• workplace procedures for finger jointing operations• relationships:<ul style="list-style-type: none">• work team required for operation of finger jointing line <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p> | |
| Links | Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47 |