

<b>Title</b>	<b>Maintain finger jointer cutterhead in solid wood manufacturing</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	People credited with this unit standard are able to: demonstrate knowledge of the operating principles of a finger jointer cutterhead in solid wood manufacturing; clean cutterhead; balance cutters; and reassemble cutterhead for grinding.
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<b>Classification</b>	Solid Wood Manufacturing > Finger Jointing
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Legislation  
Health and Safety at Work Act 2015.  
Resource Management Act 1991.
- 2 Definitions  
*Accepted industry practice* refers to approved codes of practice and standardised procedures accepted by the wider wood manufacturing industry as examples of best practice.  
*Tool Room Operator* refers to the person responsible for the grinding, installation and maintenance of finger jointing cutterheads at a workplace.  
*Workplace procedures* refer to documented policies and procedures set by the organisation carrying out the work, and to documented or other directions provided to staff, and applicable to the tasks being carried out. They may include but are not limited to – standard operating procedures, site specific procedures, site safety procedures, equipment operating procedures, quality assurance procedures, product quality specifications, references, approved codes of practice, housekeeping standards, environmental considerations, on-site briefings, supervisor’s instructions, and procedures to comply with legislative and local body requirements relevant to the wood manufacturing sector.
- 3 Range  
Competence must be demonstrated using a milled to pattern (or similar) cutterhead.
- 4 Assessment information  
All activities and evidence must meet workplace procedures and accepted industry practice.

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## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of operating principles of a finger jointer cutterhead in solid wood manufacturing.

#### Performance criteria

- 1.1 Role and function of the cutterhead are explained.
- 1.2 Operating parameters and capability of the cutterhead are explained.
- 1.3 Operating components of a finger jointer cutterhead are identified and their purposes are explained.  
  
Range may include but is not limited to – cutters, top-plate, washers, nuts or cutter stack.
- 1.4 Hazards and safety features of a finger jointer cutterhead are identified and their roles are explained.  
  
Range safety features may include but are not limited to – handling procedures; isolation procedures; stop buttons; lock-out switch or system; guards.
- 1.5 Roles and responsibilities of a tool room operator are described in terms of cutterhead maintenance.

### Outcome 2

Clean cutterhead.

#### Performance criteria

- 2.1 Cutterhead is cleaned.
- 2.2 Cutters are inspected for damage and remedial actions taken where required.
- 2.3 Cleaning solutions are selected, handled, and stored.

### Outcome 3

Balance cutters.

#### Performance criteria

- 3.1 Cutterhead is mounted.
- 3.2 Cutters are removed and cleaned.
- 3.3 Cutters are sorted.

3.4 Static balance of cutters is checked, and remedial action is taken where required.

Range may include but is not limited to – grind, replace.

3.5 Block is cleaned and inspected for damage and remedial action is taken where required.

Range may include but is not limited to – repair, replace.

#### Outcome 4

Reassemble cutterhead for grinding.

#### Performance criteria

4.1 Cutters are re-fitted.

4.2 Components are reassembled.

4.3 Records for cutterhead reassembly are completed.

4.4 Preventative maintenance requirements for cutterhead reassembly are explained and applied.

<b>Planned review date</b>	31 December 2024
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#### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	10 February 1999	31 December 2018
Revision	2	14 March 2000	31 December 2018
Revision	3	15 December 2000	31 December 2018
Review	4	18 December 2006	31 December 2018
Review	5	19 March 2010	31 December 2018
Review	6	20 November 2014	N/A
Review	7	25 June 2020	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0013
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

#### Comments on this unit standard

Please contact Competenz [qualifications@competenz.org.nz](mailto:qualifications@competenz.org.nz) if you wish to suggest changes to the content of this unit standard.