

Title	Set up finger jointer for wood product manufacturing		
Level	3	Credits	8

Purpose	People credited with this unit standard are able to: set up and adjust shaper unit; set up crower and out-feed; and check dry joints and adjust shaper.
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Classification	Solid Wood Manufacturing > Finger Jointing
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Available grade	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.
Job requirements refer to specific requirements for the job at hand. These requirements may or may not be covered in the job documentation and may include special instructions, quality requirements expected by the customer, and/or production standards as set down by the 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 Assessment information
All activities and evidence must meet workplace procedures, and accepted industry practice.
- 4 Recommended unit standard for entry: Unit 4544, *Clean engineered wood product equipment and machinery*.

Outcomes and performance criteria

Outcome 1

Set up and adjust shaper unit.

Performance criteria

- 1.1 Isolation process is followed.
- 1.2 Components are removed from finger-jointer without damage to the finger-jointer and to the components.
- 1.3 Cutterheads, trim saws (if fitted), and scoring saws (if fitted) are selected for the job requirements, visually checked for damage, fitted, and adjusted.
- 1.4 Glue system is re-assembled.
- 1.5 Glue type and quantity are selected for the job.
- 1.6 Components are fitted and adjusted to suit dimensions of shank to be finger-jointed.

Range bedplates (if applicable), clamp (pressure), pressure heads, fences, transfer (cross-over) belt (if applicable).
- 1.7 Feedstock alignment is squared up, monitored, and adjusted.

Outcome 2

Set up crowder and out-feed.

Performance criteria

- 2.1 Crowder is set for the required shank dimension.
- 2.2 Out-feed is set up for required dimension and length of blanks.
- 2.3 Press is set up and pressure requirements are set in accordance with product type.

Outcome 3

Check dry joints and adjust shaper.

Performance criteria

- 3.1 Finger length and match are checked.

Range length match, evenness of both sides, gap allowed.
- 3.2 Shaper is adjusted until dry joint test pieces meet quality requirements.

3.3 Finger-jointer is cleaned.

Planned review date	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	20 March 2014	N/A
Review	2	25 June 2020	N/A

Consent and Moderation Requirements (CMR) reference	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 if you wish to suggest changes to the content of this unit standard.