

Title	Joint profile cutters		
Level	3	Credits	5

Purpose	People credited with this unit standard are able to: manage hazards associated with joint profile cutters; prepare and set up jointer; and joint profile cutters and adjust cutterhead.
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Classification	Solid Wood Manufacturing > Timber Machining
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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.
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 681, *Joint straight cutters*.

Outcomes and performance criteria

Outcome 1

Manage hazards associated with joint profile cutters.

Performance criteria

1.1 Hazards associated with joint profile cutters are identified and actions to be taken to manage the hazards are described.

Range hazards may include but are not limited to – tools left in the machine, components coming loose, guards not in place, loose clothing, inadvertent starting of the machine, noise; evidence of four is required.

1.2 Safe work practices associated with joint profile cutters are identified and applied.

Range practices may include but is not limited to – isolation procedures, lock-outs, emergency stops, machine guarding, wearing of appropriate safety equipment.

Outcome 2

Prepare and set up jointer.

Performance criteria

2.1 Planer is isolated.

2.2 Planer and work areas are cleaned of all foreign matter that could affect jointing operations.

2.3 Jointer's components are checked for wear and fit, and any remedial action is taken.

Range repair or adjust.

2.4 Jointer is lightly oiled and locked to the planer where required.

2.5 Profile jointer stone is selected to suit cutter steel composition, jointer type, and required timber finish.

Range jointer stone may include but is not limited to – silicon carbide, aluminium oxide, synthetic diamond.

2.6 Characteristics of the selected jointing stone and its compatibility with the number and type of cutters are explained.

Range jointer stone may include but is not limited to – silicon carbide, aluminium oxide, synthetic diamond.

2.7 Profile jointer stone is shaped and dressed to reduce land.

2.8 Profile jointer is mounted and adjusted to cutters.

2.9 Cutterhead is turned by hand to check all cutters in cutting circle.

Outcome 3

Joint profile cutters and adjust cutterhead.

Performance criteria

- 3.1 Cutterhead is started and run up so that bearings are at operating temperature and are running true.
- 3.2 Jointer is moved into the revolving head only to the extent necessary to bring all required cutters to the same cutting circle.
- 3.3 Cutterhead is stopped for checking.
- 3.4 The effects of poor jointing are explained.
Range timber finish, parallel.
- 3.5 Joint line covers the full width of profile for all cutters.
- 3.6 Any remedial action is taken.
Range re-joint, hone or re-grind cutters.
- 3.7 Jointer is removed from the planer and stored.
- 3.8 Cutterhead height is adjusted to the thickness of the timber and fence or bed plate.
- 3.9 Guards are replaced.

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	27 January 1994	31 December 2012
Review	2	24 October 1996	31 December 2012
Review	3	10 February 1999	31 December 2012
Review	4	18 December 2006	31 December 2012
Review	5	15 April 2011	N/A
Review	6	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.