

Title	Joint straight cutters		
Level	3	Credits	5

Purpose	People credited with this unit standard are able to: manage hazards associated with joint straight cutters; prepare and set up jointer; and joint cutters and adjust cutterhead.
----------------	--

Classification	Solid Wood Manufacturing > Timber Machining
-----------------------	---

Available grade	Achieved
------------------------	----------

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 standards for entry: Unit 689, *Set cutters into cutterheads*; and Unit 15774, *Demonstrate knowledge of timber machining*.

Outcomes and performance criteria

Outcome 1

Manage hazards associated with joint straight cutters.

Performance criteria

1.1 Hazards associated with joint straight 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 straight cutters are identified and applied.

Range practices may include but are 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 Jointer stone is selected to meet job specifications.

Range steel type, size, shape.

2.6 Jointer stone is checked for defects and replaced where required.

Range cracks, excessive wear.

2.7 Jointer stone is shaped and dressed to reduce land.

2.8 The effects of jointing stone characteristics on the knife joint line are explained.

Range characteristics include – grit, hardness.

2.9 Jointer stone is mounted and adjusted to cutters.

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

Outcome 3

Joint cutters and adjust cutterhead.

Performance criteria

- 3.1 The purpose of jointing is explained.
- 3.2 Cutterhead is started and run.
- 3.3 Jointer is traversed appropriately and consistently to achieve required outcomes and quality requirements.
- 3.4 Cutterhead is stopped for checking.
- Range joint line parallel, full width, all cutters in same cutting circle.
- 3.5 The effects of poor jointing are explained.
- Range timber finish, parallel.
- 3.6 Any remedial action is taken for non-conformance.
- 3.7 Cutterhead is adjusted to the size of the timber and fence or bed plate.
- 3.8 Guards are replaced.

Planned review date	31 December 2024
----------------------------	------------------

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
--	------

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.