

Title	Set cutterhead spindle positions using data from a calibrated measuring device		
Level	4	Credits	5

Purpose	People credited with this unit standard are able to: manage hazards associated with setting machines which have calibrated measuring and setting systems; align and calibrate measuring and timber planing systems; and set spindle adjustment positions.
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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, accepted industry practice, and manufacturer's specifications.
- 4 Recommended unit standard for entry: Unit 676, *Set up timber planer for profile*.

Outcomes and performance criteria

Outcome 1

Manage hazards associated with setting machines which have calibrated measuring and setting systems.

Performance criteria

1.1 Hazards associated with setting machines which have calibrated measuring and setting systems 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 setting machines which have calibrated measuring and setting systems 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; evidence of four is required.

Outcome 2

Align and calibrate measuring and timber planing systems.

Performance criteria

2.1 Systems are aligned and calibrated.

2.2 The procedure to ensure accurate calibration of measuring device and planer is described.

2.3 Spindle position is checked against axial and radial datum position.

2.4 Displays are adjusted to zero position.

Outcome 3

Set spindle adjustment positions.

Range axial and radial.

Performance criteria

3.1 Reference points are determined from drawings.

3.2 Cutterheads are fitted and measured in sequence.

3.3 Finishing cutterhead positions are calculated and explained in terms of positioning requirements.

3.4 Measurements are transferred to planer to set spindle adjustments.

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	28 August 1996	31 December 2012
Review	2	10 February 1999	31 December 2012
Review	3	18 December 2006	31 December 2012
Review	4	15 April 2011	N/A
Review	5	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.