

Title	Set up timber planer for profile		
Level	4	Credits	30

Purpose	People credited with this unit standard are able to: manage hazards associated with setting up a timber planer for profile; prepare to set up planer by cleaning and stripping a profile planer ; select and fit preset cutterheads; complete set-up and make adjustments and calculations for profile; and check planer set-up for profile.
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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.
Corrective action refers to actions such as communication to management, communication to on-site technical person, communication to off-site technical support person, cleaning, communication with maintenance staff, recalibration, or changes made to the operating system in accordance with workplace procedures.
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 Range
May include computer numerical controlled (CNC) planers.

- 4 Assessment information
All activities and evidence must meet workplace procedures, accepted industry practice, and manufacturers' specifications.
- 5 Recommended unit standards for entry: Unit 675, *Set up a timber planer for dress four sides*; Unit 678, *Feed and tail out planer, and monitor planer performance*; and Unit 689, *Set cutters into cutterheads*.

Outcomes and performance criteria

Outcome 1

Manage hazards associated with setting up a timber planer for profile.

Performance criteria

- 1.1 Hazards associated with setting up a timber planer for profile, 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 up a timber planer for profile 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 to set up planer by cleaning and stripping a profile planer.

Performance criteria

- 2.1 Planer is prepared for set-up.
- Range components cleaned, spindles oiled.
- 2.2 Machine is fully isolated.
- 2.3 Planer and work areas are cleaned of all foreign matter that could affect setting-up operations.
- 2.4 Defective planer components are identified, and methods used to identify defects, required corrective actions for defects, and the effects of defects on finished product are described.
- Range chipbreakers, pressures, bolts, rollers.

2.5 Cutterheads or cutters are removed and stored.

Outcome 3

Select and fit preset cutterheads for profile.

Performance criteria

- 3.1 Cutterheads that will produce required planed timber profile are selected and checked for defects and damage.
- 3.2 The use of relief cutters is explained.
- 3.3 All cutters are checked and locked into the cutterhead.
- 3.4 Spindles are prepared, and cutters and cutterheads are locked to shafts.
- 3.5 Splitting units are selected and fitted when applicable to produce required timber sizes.

Outcome 4

Complete set-up and make adjustments and calculations for profile.

Performance criteria

- 4.1 Cutters and cutterheads are set individually to the bed and fence-line to produce required planed timber profile, and locked.
- 4.2 Machine components are adjusted to meet product requirements.

Range may include but is not limited to – fences, guides, bed plates, adjustable fence plates, pressures, through-feed and/or out-feed rollers, chip breakers and/or beam.
- 4.3 Safety hoods and guards are set.
- 4.4 Feed speed is calculated and set in relation to timber size, profile, and species.
- 4.5 Factors that affect the selection of feed speed are explained.

Range factors include – size, profile, species.

Outcome 5

Check planer set-up for profile.

Performance criteria

- 5.1 Tools are removed from the planer and stored.

- 5.2 Test piece is run through the planer and measured at all stages for conformance with job requirements.
- 5.3 Dust extraction system is checked during test run and monitored during test piece machining.
- 5.4 Components are adjusted until output timber conforms to the required profile.
- 5.5 Operation of branding equipment is checked, and the brand is installed.
- 5.6 Tally meter is re-set.

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.