Title	**Inspect and maintain a wood forming machine**		
Level	**3**	**Credits**	**15**

Purpose	People credited with this unit standard are able to: manage hazards associated with inspecting and maintaining a wood forming machine; dismantle and clean a wood forming machine; inspect and replace wood forming machine components; re-assemble and test a wood forming machine; and check and align a wood forming machine.

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 Range
Wood forming machine may include but is not limited to – planer, finger jointer; evidence is required of one machine.

4 Assessment information
All activities and evidence must meet workplace procedures and accepted industry practice, and manufacturer's specifications.

5 Recommended unit standard for entry: Unit 675, *Set up a timber planer for dress four sides*.

Outcomes and performance criteria

Outcome 1

Manage hazards associated with inspecting and maintaining a wood forming machine.

Performance criteria

1.1 Hazards associated with inspecting and maintaining a wood forming machine 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 inspecting and maintaining a wood forming machine 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

Dismantle and clean a wood forming machine.

Performance criteria

2.1 Processes for identifying machine maintenance requirements, and types of maintenance supporting data are identified.

Range evidence of two processes and two types of supporting data is required.

2.2 Method, tools, and procedure for disassembly are established.

2.3 Components are dismantled from machine into parts.

2.4 Parts are cleaned.

Range methods may include but is not limited to – hand, spray, immersion, ultrasound.

Outcome 3

Inspect and replace wood forming machine components.

Performance criteria

3.1 Common maintenance checks required for the inspection of component parts is explained.

Range inspection includes - visual, dimensional, optical;
evidence of three common maintenance checks is required.

3.2 Component parts are inspected for conformance with production requirements.

3.3 Factors to consider when deciding to repair or replace faulty and worn parts are explained.

Range evidence of three factors is required.

3.4 Any faulty and worn parts are assessed for repair or replacement.

3.5 Any defective parts are replaced. Investigation of defective parts is explained in terms of the importance of determining cause.

3.6 Consumable components are replaced in accordance with servicing schedule requirements.

Range may include but are not limited to – springs, nuts, bolts, washers, screws, bearings, grinding wheels.

3.7 Fluids and lubricants are applied.

Range application – topped up or replaced.

Outcome 4

Re -assemble and test a wood forming machine.

Performance criteria

4.1 Components are re-assembled and re-installed.

4.2 Machine and equipment adjustments are made.

Range may include but is not limited to – adjustments to safety guards, stops, wear pads, guides, limit switch actuators, tool holders, pressure system.

4.3 Components are tested.

4.4 Procedures for testing component conformance are described.

Range procedures may include but are not limited to – measurement, resulting product quality.

4.5 Benefits for record keeping are explained.

Range evidence of two benefits is required.

4.6 Records are completed.

Outcome 5

Check and align a wood forming machine.

Performance criteria

5.1 Alignment tolerances are identified.

5.2 Alignment checks are carried out.

5.3 Machinery is aligned.

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	10 February 1999	31 December 2012
Review	2	18 December 2006	31 December 2012
Review	3	15 April 2011	31 December 2015
Review	4	20 March 2014	N/A
Review	5	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.