

Title	Set up a Computer Numerical Controlled (CNC) machine for wood product manufacture		
Level	4	Credits	5

Purpose	People credited with this unit standard are able to: manage hazards associated with setting up a CNC machine: for wood product manufacture; prepare to set up a CNC machine for wood product manufacture; and set up a CNC machine for wood product manufacture.
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Classification	Solid Wood Manufacturing > Wood Product Manufacturing Skills
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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 – 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 industry sector.
- 3 Assessment information
All activities and evidence must meet workplace procedures and accepted industry practice.

Outcomes and performance criteria

Outcome 1

Manage hazards associated with setting up a CNC machine for wood product manufacture.

Performance criteria

- 1.1 Hazards associated with setting up a CNC machine are identified and actions to be taken to manage the hazards are described.
- 1.2 Safe work practices associated with setting up a CNC machine are identified and used.
- Range practices may include but are not limited to – isolation procedures, lock-outs, emergency stops, lifting techniques, machine guarding, wearing of appropriate safety equipment.

Outcome 2

Prepare to set up a CNC machine for wood product manufacture.

Performance criteria

- 2.1 Isolation of services procedures are completed prior to machine set up.
- Range services may include but is not limited to – electrical power, lighting, air supply.
- 2.2 Job specifications are obtained and verified.
- 2.3 Tools are checked for defects according to the job and the manufacturer's specifications.
- 2.4 Defective tools are identified, and corrective actions are taken.
- 2.5 Work holding devices are prepared according to the job and the manufacturer's specifications.
- 2.6 Tools are selected and mounted according to the job and the manufacturer's specifications.
- 2.7 Tooling offsets are adjusted.

Outcome 3

Set up a CNC machine for wood product manufacture.

Performance criteria

- 3.1 CNC programme is selected to match the job specification requirements.
- 3.2 Production aids and tooling are secured in place according to the job and the manufacturer's specifications.
- Range may include but is not limited to – fences, safety guards, tables, rollers, jigs, clamping devices, supports.

- 3.3 Machine is set up and checked according to the job and the manufacturer's specifications.
- 3.4 The maintenance schedule for the CNC machine is identified and followed.
- 3.5 Operator is briefed on the job.
- 3.6 Machine and work area are left clean, clear, and tidy.

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	18 December 2006	11 September 2018
Review	2	30 August 2018	11 September 2018
Reinstatement	3	26 March 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.