

Title	Set up, operate, and undertake routine maintenance on a mortiser and a tenoner for joinery work		
Level	4	Credits	15

Purpose	People credited with this unit standard are able to: <ul style="list-style-type: none"> – set up and operate a mortiser; – set up and operate a tenoner; and – undertake routine maintenance on a mortiser and a tenoner for joinery work.
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Classification	Joinery > Joinery Operational Skills
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Available grade	Achieved
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Guidance Information

- 1 Legislation and standards relevant to this unit standard include:
 - Health and Safety at Work Act 2015; available from www.legislation.govt.nz;
 - SNZ TS 4211:2022 *Specification for performance of windows*;
 - NZS 3610:1979 *Specification for profiles of mouldings and joinery*, available from <http://www.standards.co.nz/>, and any subsequent amendments and replacements.

- 2 Assessment

Evidence for this unit standard must reflect commercial competence; the ability to demonstrate knowledge and skills in the context of the currently accepted requirements of a business operating in a commercial environment.

Evidence must also reflect commercial standards; the verbal and written information covering company policy, standard operating procedures and processes and job-specific instructions.

This unit standard must be assessed under the supervision of a commercially competent practitioner in workplace conditions that reflect:

- commercial standards, current health, safety, industry, and workplace requirements; and
- industry requirements for commercially acceptable timeframes.

- 3 Definitions

Joinery work refers to the work, job, or project relevant to joinery, cabinetry, doors and windows, stairs, bench tops, shop fittings and specialty surfaces.

Routine maintenance refers to those requirements routinely undertaken to keep machinery in good working order including cutting saws and changing blades and knives. It does not include the services usually provided by a specialist engineer or service technician.

Workplace requirements refer to the documented procedures specific to a workplace which set out the standard and the required practices of that workplace. This may include job specifications, procedures, practices, manufacturer recommendations, technical data sheets and material safety data sheets.

Outcomes and performance criteria

Outcome 1

Set up and operate a mortiser for joinery work.

Performance criteria

- 1.1 Mortiser is set up for the joinery work.
Range cutting tool, fences and stops, guards.
- 1.2 Materials to machine are selected and set out.
- 1.3 Mortiser is operated to create a mortise.
- 1.4 Mortiser is operated ensuring continuity of the operating process.
- 1.5 Post-operational procedures are completed in accordance with workplace requirements.

Outcome 2

Set up and operate a tenoner for joinery work.

Performance criteria

- 2.1 Tenoner is set up for the joinery work.
Range cutting tool, table heads, fences and stops, guards.
- 2.2 Materials to machine are selected and set out.
- 2.3 Tenoner is operated to create a tenon.
- 2.4 Tenoner is operated ensuring continuity of the operating process.
- 2.5 Post-operational procedures are completed in accordance with workplace requirements.

Outcome 3

Undertake routine maintenance on a mortiser and tenoner for joinery work.

Performance criteria

- 3.1 Routine maintenance for a mortiser and tenoner is undertaken including cutting edges in accordance with manufacturers and workplace requirements.
- 3.2 Faults that cannot be addressed through routine maintenance are recorded and reported in accordance with manufacturers and workplace requirements.

Replacement information	This unit standard replaced unit standard 17133 and unit standard 17134.
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Planned review date	31 December 2027
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	24 October 2014	31 December 2025
Review	2	30 March 2023	N/A

Consent and Moderation Requirements (CMR) reference	0073
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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 Waihangara Ara Rau Construction and Infrastructure Workforce Development Council at qualifications@WaihangaraAraRau.nz if you wish to suggest changes to the content of this unit standard.