

Title	Configure and set up a woollen card, woollen condenser and card feed system		
Level	4	Credits	15

Purpose	People credited with this unit standard are able to: demonstrate knowledge of carding theory and practice; configure and set up a woollen card using hand held gauges; configure and set up a woollen condenser; and configure and set up a card feed system
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Classification	Textiles Manufacture > Woollen Yarn Processing
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Available grade	Achieved
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Guidance Information

- 1 Legislation relevant to this unit standard includes but is not limited to the Health and Safety at Work Act 2015.
- 2 Definition
Workplace procedures refer to procedures used by the organisation carrying out the work and applicable to the tasks being carried out. Examples are – standard operating procedures, site safety procedures, equipment operating procedures, codes of practice, quality management practices and standards, and procedures to comply with legislative and local body requirements.
- 3 Assessment information
 - a All activities and evidence must be in accordance with workplace procedures.
 - b Competence will be demonstrated on a card or cards used in the candidate's workplace.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of carding theory and practice.

Performance criteria

- 1.1 Carding principles are explained and their impact on carding performance is described.

Range carding power, delay factor, worker loadings.

- 1.2 Card roller speeds, directions and setting methods are described and the impact of roller settings on carding performance is explained.
- 1.3 Card condenser configuration and setting is described and the impact of configuration on carding performance explained.
- Range tape type and arrangement, rubber pressure, rubber stroke and tension, draft, tape tension.

Outcome 2

Configure and set up a woollen card using hand held gauges.

Performance criteria

- 2.1 Safety procedures are followed and the carding machine is isolated.
- 2.2 Gauged settings on woollen cards are adjusted within accepted tolerances.
- 2.3 Individual rollers are set and reasons are explained.
- 2.4 Woollen card settings are documented.

Outcome 3

Configure and set up a woollen condenser.

Performance criteria

- 3.1 Safety procedures are followed and the machine is isolated.
- 3.2 Woollen condenser settings are adjusted within accepted tolerances.
- 3.3 Individual settings are selected and reasons are explained.
- 3.4 Woollen condenser settings are documented.

Outcome 4

Configure and set up a card feed system.

Performance criteria

- 4.1 Safety procedures are followed and machine is isolated.
- 4.2 Configuration and settings on a card feed system are adjusted to the raw material and carded product specification, and within company tolerances.
- 4.3 Individual systems are configured and reasons are explained.
- 4.4 Card feed system settings are documented.

Planned review date	31 December 2026
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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 2022	N/A

Consent and Moderation Requirements (CMR) reference	0030
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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 the Hanga-Aro-Rau Manufacturing, Engineering, and Logistics Workforce Development Council qualifications@hangaarorau.nz if you wish to suggest changes to the content of this unit standard.