

Title	Card fibre on a semi-worsted or worsted card		
Level	2	Credits	6

Purpose	People credited with this unit standard are able to: demonstrate knowledge of carding and the carding machine; operate a semi-worsted or worsted card; identify and fix machine malfunction and deviations from product quality; and keep the card and work area clean.
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Classification	Textiles Manufacture > Top Making, Semi-Worsted and Worsted 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 refers 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
All activities and evidence must be in accordance with workplace procedures.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of carding and the carding machine.

Performance criteria

- 1.1 The purpose of semi-worsted or worsted carding and yarn characteristics are described.
- 1.2 Sections of a card are identified and their function described.

Range may include but is not limited to – feed system, carding, vegetable matter removal, coiler.

1.3 Card rollers are identified and their action described.

Range may include but is not limited to – feed roller, licker in roller, transfer roller, swift, worker, fancy, stripper, doffer, fly stripper.

1.4 Carded sliver faults are identified and described in terms of significance and corrective action.

Range may include but is not limited to – neps, excessive vegetable matter, uneven sliver, fibre breakage, contamination.

Outcome 2

Operate a semi-worsted or worsted card.

Performance criteria

2.1 Personal protective equipment is used.

2.2 Safe work methods are demonstrated.

2.3 Fibre is fed to card.

Range fibre identified, check for contamination, hopper or feed device levels maintained.

2.4 Sliver cans are handled and changed.

Range manual or automatic changing, identification, prevention of contamination, prevention of mixed batches.

2.5 Test samples are taken.

2.6 Records are kept.

Outcome 3

Identify and fix machine malfunction and deviations from product quality.

Performance criteria

3.1 Carding faults are identified and corrective action taken.

3.2 Machine malfunction is identified and corrective action taken.

Outcome 4

Keep the card and work area clean.

Performance criteria

4.1 Card and card area are kept clean during processing.

- 4.2 Carding machine is cleaned at end of a batch.
- 4.3 Waste fibre is collected and sorted according to type to prevent contamination.

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	3 April 1995	31 December 2019
Revision	2	8 August 1997	31 December 2019
Revision	3	18 July 2000	31 December 2019
Revision	4	10 October 2001	31 December 2019
Revision	5	12 August 2004	31 December 2019
Rollover and Revision	6	25 July 2007	31 December 2019
Rollover	7	21 May 2010	31 December 2019
Review	8	19 May 2016	31 December 2025
Review	9	24 March 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 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.