

Title	Card fibre on a woollen card		
Level	2	Credits	8

Purpose	People credited with this unit standard are able to: demonstrate knowledge of woollen carding and the carding machine; prepare and operate a woollen card; identify and fix operational and product faults; and keep card and work area clean.
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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 the procedures used by the organisation carrying out the work and applicable to the tasks being carried out. Examples are – standard operating procedures, safety procedures, equipment operating procedures, codes of practice, quality management practices and standards, 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 woollen carding and the carding machine.

Performance criteria

- 1.1 Woollen carding is explained in terms of purpose and yarn characteristics.
- 1.2 Sections of card are identified and described in terms of their function.

Range may include – hopper, chute, feed, scribbler, vegetable matter removal, intermediate feed, carder section, breast, tape condenser, rubbing motion, creel, metal detectors.

- 1.3 Card rollers are identified and described in terms of their function.
- Range may include – feed roller, swift, worker, fancy, stripper, doffer, peralta, fly stripper, condenser stripper, angle stripper, transfer roller, licker-in.
- 1.4 Carding faults are identified and described in terms of significance and reporting procedures.
- Range may include – neps, excessive vegetable matter, uneven slubbing, fibre drop-out, colour variation, count variation, dropping ends, roller robbing, excess fly, contamination.

Outcome 2

Prepare and operate a woollen card.

Performance criteria

- 2.1 Personal protective equipment is used.
- 2.2 Safe work methods are demonstrated.
- 2.3 Machine is prepared for operation.
- Range fibre blend identified, hopper loaded, fibre run through card, empty spools in place.
- 2.4 Machine is operated.
- 2.5 Fibre is carded.
- Range hopper maintained, intermediate feed breaks mended, broken ends mended, full spools doffed, test samples taken, waste return functioning.
- 2.6 Production and quality tests are recorded.

Outcome 3

Identify and fix operational and product faults.

Performance criteria

- 3.1 Web and slubbing faults are identified and corrective action is taken.
- Range may include – uneven web, neps, excessive vegetable matter, uneven slubbing, fibre drop-out, colour variation, count variation, dropping ends, roller robbing, excess fly, contamination.
- 3.2 Test results are interpreted and corrective action is taken.

3.3 Card malfunction is identified and corrective action is taken, if required.

Outcome 4

Keep 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	18 June 1995	31 December 2023
Revision	2	8 August 1997	31 December 2023
Revision	3	18 July 2000	31 December 2023
Revision	4	10 October 2001	31 December 2023
Revision	5	12 August 2004	31 December 2023
Review	6	23 April 2008	31 December 2023
Review	7	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.