

Title	Diagnose and rectify sub-standard carding machine performance or component faults on a woollen card		
Level	4	Credits	15

Purpose	People credited with this unit standard are able to diagnose sub-standard carding machine performance, and rectify card machine or component faults.
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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
 - a All activities and evidence must be in accordance with workplace procedures.
 - b Competence will be demonstrated on a card used in the candidate's workplace.
- 4 It is recommended that persons credited with this unit standard know the handling procedures for electronic circuit cards.

Outcomes and performance criteria

Outcome 1

Diagnose sub-standard woollen carding machine performance.

Performance criteria

- 1.1 Cause of sub-standard machine performance is diagnosed and corrective action chosen.

- 1.2 Corrective action is prioritised in relation to production schedule and resource constraints.

Range resource constraints may include – labour, parts, finance.

Outcome 2

Rectify card machine or component faults.

Range components and mechanisms may include – combs and comb boxes, condenser tapes, condenser rubbers, intermediate feed, condenser mechanisms, hopper and feed mechanisms, line and drive shaft, peralta, drivers, electronic components, decoders.

Performance criteria

- 2.1 Card machine mechanism is removed or disassembled to enable replacement or repair.
- 2.2 Card machine mechanism and components are assessed for replacement or repair.
- 2.3 Replacement or repair is carried out.
- 2.4 Mechanism is reassembled or replaced on card.
- 2.5 Repaired mechanism is reset and/or tuned to operate to machine specification.
- 2.6 Card is tested and retuned for optimum performance.

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	20 November 2009	31 December 2023
Review	2	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.