

Title	Set-up and test semi-worsted or worsted card to card fibre		
Level	3	Credits	9

Purpose	This unit standard is for people working in top making or semi-worsted carding. People credited with this unit are able to: demonstrate knowledge of carding machine set-up; prepare semi-worsted or worsted card for operation; test run semi-worsted or worsted card to optimise machine settings.
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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 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
All activities and evidence must be in accordance with workplace procedures.
- 4 Recommended skills and knowledge
Unit 3129, *Card fibre on a semi-worsted or worsted card*.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of carding machine set-up.

Performance criteria

- 1.1 Carding actions are described in terms of the way fibres are processed.

Range point to point, point to back, back to back, working, raising, stripping, doffing.

- 1.2 Types of card clothing used in workplace are identified and described in terms of their features and function.
- 1.3 Card settings which may be changed during set-up and tuning are described in terms of their effect on carding process and product quality.
- Range feed rate, card roller settings, card roller speeds, coiler settings.
- 1.4 Fibre types used in workplace are identified and described in terms of their carding performance.
- Range fibre types used in workplace.
- 1.5 Lubricating oil quantity and type, moisture levels and atmospheric conditions are described in terms of their effect on fibre condition and carding performance.

Outcome 2

Prepare semi-worsted or worsted card for operation.

Performance criteria

- 2.1 Card condition is checked and if required, cleaned.
- 2.2 Card settings are adjusted to enable processing of fibre to required specification.
- Range feed rate, card roller settings, card roller speeds, sliver tension at coiler, metre counters and instrumentation.

Outcome 3

Test run semi-worsted or worsted card to optimise machine settings.

Performance criteria

- 3.1 Machine is operated.
- 3.2 Test samples are taken.
- 3.3 Test results are assessed and machine adjustments made to achieve product quality specification.

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 2019
Reinstatement	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.