

<b>Title</b>	<b>Clothe a card roller and grind card clothing</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	People credited with this unit standard are able to: prepare roller or cylinder for application of card clothing; apply card clothing; clean and maintain wire mounting equipment; grind roller off the card; maintain card wire; and maintain grinding equipment.
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<b>Classification</b>	Textiles Manufacture > Core Yarn Processing
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<b>Available grade</b>	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 Definitions
 

*Clothe* refers to fillet or metallic card clothing.

*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 evidence must be in accordance with workplace procedures.
  - b Competency is intended to be demonstrated on the type of carding machine installed in the candidate's workplace and can include fillet or metallic card clothing.

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### Outcomes and performance criteria

#### Outcome 1

Prepare roller or cylinder for application of card clothing.

**Performance criteria**

1.1 Roller or cylinder is prepared to the condition required for application of new clothing.

Range may include but is not limited to – old wire removed, roller or cylinder free of rust, roller or cylinder surface damage repaired, roller or cylinder cleaned, bead wire applied, nail holes repaired, roller or cylinder true.

**Outcome 2**

Apply card clothing.

**Performance criteria**

2.1 Wire is applied.

Range may include but is not limited to – correct wire type and size, tension, direction of application, butt welds, direction of traverse, placement of fillet, tapering and preparation of ends, securing of ends and edges, application of metal bands, wire direction.

**Outcome 3**

Clean and maintain wire mounting equipment.

**Performance criteria**

3.1 Equipment is cleaned.

3.2 Equipment is maintained in accordance with manufacturers' specifications.

Range tension head, mounting frames and equipment.

**Outcome 4**

Grind roller off the card.

**Performance criteria**

4.1 Roller is removed from card and located in grinding frame.

4.2 Grinding frame is set up.

Range square to the roller, type of grinding device, grinding speed, grinding direction, bearing condition checked, traverse and/or oscillation set.

4.3 Roller is ground to the condition required for optimum carding performance.

**Outcome 5**

Maintain card wire.

**Performance criteria**

- 5.1 Condition of card wire is checked.
- 5.2 If required, grind roller off the card.
- 5.3 If required, grind cylinder on the card.

**Outcome 6**

Maintain grinding equipment.

**Performance criteria**

- 6.1 Grinding equipment is maintained.
- Range frame, frame alignment, grinding roller and/or belt condition.

<b>Replacement information</b>	This unit standard replaced unit standard 4183, unit standard 4184 and unit standard 4185.
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<b>Planned review date</b>	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	24 March 2022	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	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](mailto:qualifications@hangaarorau.nz) if you wish to suggest changes to the content of this unit standard.