

<b>Title</b>	<b>Set-up roving machine to process slivers</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>6</b>

<b>Purpose</b>	This unit standard is for people working in the semi-worsted or worsted yarn making industry. People credited with this unit standard are able to: describe the operation and function of the roving machine components; set-up a roving machine for safe and efficient manufacture of yarn that meets specification; analyse test results to confirm correct operation; maintain the machine; and keep records.
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<b>Classification</b>	Textiles Manufacture > Top Making, Semi-Worsted and Worsted 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 Definition
 

*Product specifications* refer to the document which accompanies each manufacturing order. This specifies all of the parameters for production of the yarn batch. This may include the fibre specification, the shade, dye bath parameters, machinery to be used and finishing procedures.

*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.
- 4 Recommended skills and knowledge
 

Unit 3138, *Process slivers on a roving machine* or demonstrate equivalent knowledge and skills.

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### Outcomes and performance criteria

#### Outcome 1

Demonstrate knowledge of roving machine set-up.

**Performance criteria**

1.1 Machine variables that can be changed during set-up are identified and described in terms of the way they affect processing and product quality.

Range draft, ratch, lay, twist, tension, flyer speed, doff.

1.2 Roving tests are described and results are analysed to confirm processing and product specification.

Range may include – Uster evenness, count, twist, regain, extractable matter.

**Outcome 2**

Set-up roving machine for operation.

**Performance criteria**

2.1 Roving machine is checked for cleanliness and condition of operating parts.

Range may include – aprons, drafting rollers, cots, knock-off motions, grommets, condensers.

2.2 Input creel is loaded.

2.3 Machine settings are adjusted to produce roving to specification.

Range may include – draft, ratch, lay, twist, tension, flyer speed, doff.

2.4 Instrumentation and control devices are set.

**Outcome 3**

Operate roving machine to optimise machine settings.

**Performance criteria**

3.1 Machine is operated and settings are adjusted to meet efficiency and quality standards.

3.2 Test samples are taken.

**Outcome 4**

Maintain roving machine.

**Performance criteria**

4.1 Maintenance procedures are carried out.

Range may include but is not limited to – lubrication, aprons, drafting rollers, cots, knock-off motions, safety devices.

**Outcome 5**

Keep records.

**Performance criteria**

5.1 Records are maintained.

Range may include but is not limited to – machine batch settings, production records, maintenance records, quality records, machine operating records.

<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	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

<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.