

<b>Title</b>	<b>Gill sliver or top on a gilling machine</b>		
<b>Level</b>	<b>2</b>	<b>Credits</b>	<b>6</b>

<b>Purpose</b>	People credited with this unit standard are able to: describe gilling and the gilling machine; prepare and operate a gilling machine; identify and fix operational and product faults; and keep the gill and work area clean.
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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  
*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.

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### Outcomes and performance criteria

#### Outcome 1

Describe gilling and the gilling machine.

#### Performance criteria

- 1.1 The reasons for gilling are described.  
Range parallelisation, blending, sliver evenness, sliver weight reduction.
- 1.2 The function and operation of gill parts are described.  
Range creel, front rollers, back rollers, faller bars, faller pins, front ratch, back ratch, autoleveller, coiler, controls, spray device.

1.3 Gilled sliver faults are described in terms of their cause, impact on finished product, and subsequent processing and corrective action.

Range uneven sliver, fibre breakage, slub formation, nep formation.

## Outcome 2

Prepare and operate a gilling machine.

### Performance criteria

2.1 Personal protective equipment is used.

2.2 Safe work methods are demonstrated.

2.3 Machine is prepared for operation.

Range sliver or top identified, number of feed slivers or tops, end break detectors threaded, output can in place.

2.4 Sliver or top is gilled.

Range end breaks mended, cans changed, spray devices monitored and maintained, number of cans required.

2.5 Test samples are taken.

2.6 Records are kept.

## Outcome 3

Identify and fix operational and product faults.

### Performance criteria

3.1 Sliver or top faults are identified and corrective action taken.

Range may include – uneven sliver, fibre breakage, slubs, neps.

3.2 Test results are interpreted, and corrective action taken.

3.3 Gilling machine malfunction is identified and corrective action taken.

## Outcome 4

Keep the gill and work area clean.

### Performance criteria

4.1 Gill and work area is kept clean during processing.

4.2 Waste fibre is collected and sorted according to type to prevent contamination.

- 4.3 Gill is cleaned at end of a batch.
- 4.4 Wheels or castors on cans are kept clear of fibre to prevent jamming.

<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 2025
Review	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.