

<b>Title</b>	<b>Set up and monitor a finishing machine</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	People credited with this unit standard are able to: prepare chemicals for finishing machine processing; set up finishing machine for processing; and monitor yarn during finishing machine processing.
----------------	---

<b>Classification</b>	Textiles Manufacture > Woollen Yarn Processing
-----------------------	--

<b>Available grade</b>	Achieved
------------------------	----------

---

## Guidance Information

- 1 Legislation relevant to this unit standard includes but is not limited to:  
Health and Safety at Work Act 2015;  
Hazardous Substances and New Organisms Act 1996;  
Resource Management Act 1991;  
and subsequent amendments.
- 2 Definitions  
*Finishing machine* refers to machinery such as twistset, continuous finishing, and tapesour.  
*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  
All activities and evidence must be in accordance with workplace procedures.
- 4 Recommended skills and knowledge  
Unit 4174, *Process yarn in a finishing machine*.

---

## Outcomes and performance criteria

### Outcome 1

Prepare chemicals for finishing machine processing.

### Performance criteria

- 1.1 Liquor and chemical handling, storage, discharge, and disposal procedures are described.

- 1.2 Chemicals are identified.
- 1.3 Chemicals are prepared.
- 1.4 Chemicals batches prepared for stock are tested to confirm that batch meets specifications.

## Outcome 2

Set up finishing machine for processing.

### Performance criteria

- 2.1 Finishing machine is set up for operation.

Range may include but is not limited to –yarn identified, creel loaded, tension devices, break detectors, yarn thread up, freize unit, coiler speed, belt speed, bowl conditions, squeeze press operation, dryer conditions, accumulator settings, winder speed, cone length, cone magazines, initial chemical charges, chemical addition controls, liquor flows.

## Outcome 3

Monitor yarn during finishing machine processing.

### Performance criteria

- 3.1 Process conditions are monitored and maintained during processing.
- 3.2 Samples are taken and tests are carried out.
- 3.3 Test results are assessed and machine and chemical adjustments made to achieve product quality.

---

<b>Planned review date</b>	31 December 2026
----------------------------	------------------

**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	18 June 1995	31 December 2023
Revision	2	8 August 1997	31 December 2023
Revision	3	18 July 2000	31 December 2023
Revision	4	10 October 2001	31 December 2023
Revision	5	12 August 2004	31 December 2023
Review	6	23 April 2008	31 December 2023
Review	7	27 January 2022	N/A

**Consent and Moderation Requirements (CMR) reference**

0030

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](mailto:qualifications@hangaarorau.nz) if you wish to suggest changes to the content of this unit standard.