

Title	Set up a winding machine to wind yarn		
Level	3	Credits	8

Purpose	People credited with this unit standard are able to: describe winding machine set-up; set up winding machine for operation; operate winding machine to optimise machine settings; and keep records.
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Classification	Textiles Manufacture > Core Yarn 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 Range
Winding equipment may include but is not limited to – hank to package or package to package winding; using manual, semi-automatic or automatic machines.
- 4 Assessment information
 - a All evidence must be in accordance with workplace procedures.
 - b Competence is intended to be demonstrated on the type of winding equipment installed in the candidate's workplace.
- 5 Recommended skills and knowledge
Unit 19855, *Operate a winding machine and wind yarn*, or demonstrate equivalent knowledge and skills.

Outcomes and performance criteria

Outcome 1

Describe winding machine set-up.

Performance criteria

- 1.1 Machine variables that can be changed during set-up are described in terms of their effect on processing and product quality.
- Range may include but is not limited to – length of yarn on package, winding speed, winding angle, yarn clearer settings, package build and density.

Outcome 2

Set up winding machine for operation.

Performance criteria

- 2.1 Yarn length is calculated.
- 2.2 Machine settings are adjusted to produce packages wound to specification.
- Range may include but is not limited to – length of yarn on package, tension, package build and density, winding speed, clearer setting, conditioning and waxing devices, yarn jointing devices.
- 2.3 Instrumentation and control devices are set.
- 2.4 Safety guards and devices are in place, checked, and operational.

Outcome 3

Operate winding machine to optimise machine settings.

Performance criteria

- 3.1 Winder is run and settings are adjusted to meet efficiency and quality standards.

Outcome 4

Keep records.

Performance criteria

- 4.1 Records are maintained.
- Range may include but is not limited to – machine batch settings, production records, maintenance records.

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	18 June 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	26 March 2007	31 December 2019
Review	7	23 April 2008	31 December 2019
Review	8	19 May 2016	31 December 2025
Review	9	24 March 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 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.