

Title	Spin yarn on a semi-worsted or worsted spinning machine		
Level	2	Credits	9

Purpose	People credited with this unit standard are able to: describe, prepare and operate a semi worsted or worsted spinning machine; identify and fix operational and product faults; clean spinning machine and work area.
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Classification	Textiles Manufacture > Top Making, Semi-Worsted and Worsted 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 Assessment information
 - a All activities and evidence must be in accordance with workplace procedures.
 - b Competence will be demonstrated in semi-worsted or worsted spinning depending on the process installed in the workplace.

Outcomes and performance criteria

Outcome 1

Describe a semi-worsted or worsted spinning machine.

Performance criteria

- 1.1 Semi-worsted or worsted spinning machine parts are described in terms of function and operation.

Range	machine controls, creel, drafting zone, cots, condenser, aprons, guides, lappets, spindle, balloon ring, ring, traveller, spindle brake, waste collection.
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Outcome 2

Prepare and operate a semi-worsted or worsted spinning machine.

Performance criteria

2.1 Personal protective equipment is used.

2.2 Safe work methods are demonstrated.

2.3 Spinning machine is prepared for operation.

Range may include – sliver or roving identified, supply cans or bobbins placed in creel, machine threaded, uptake packages in place, pieced up, travellers changed, package build adjusted, machine in starting position.

2.4 Machine is operated.

2.5 Test sample is produced.

2.6 Yarn is processed.

Range may include – supply creel maintained, full packages doffed, end breaks mended, roller laps cleared, break in and run out, production weighed and identified, test samples taken.

2.7 Records are kept.

Outcome 3

Identify and fix operational and product faults.

Performance criteria

3.1 Spinning machine malfunction is identified and corrective action is taken.

Range may include – apron wear, traveller wear, cot wear, spindle speed, spindle tape slippage or breaks, brake malfunction, lappet setting, rings.

3.2 Yarn faults are identified and corrective action is taken.

Range thick and thin yarn, excessive end breaks, contamination, hairy yarn.

Outcome 4

Clean spinning machine and work area.

Performance criteria

- 4.1 Spinning machine and work area are kept clean during processing.
- 4.2 Spinning machine is cleaned at batch end.
- 4.3 Waste fibre is collected and sorted according to type to prevent contamination.

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	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

Consent and Moderation Requirements (CMR) reference	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 if you wish to suggest changes to the content of this unit standard.