

Title	Operate a laminating or embossing unit on crepe tissue		
Level	3	Credits	5

Purpose	People credited for this unit standard are able to: demonstrate knowledge of the fundamentals of the operation of a laminating or embossing unit; operate and maintain a laminating or embossing unit on crepe tissue; and monitor and control the performance of a laminating or embossing unit.
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Classification	Wood Fibre Manufacturing > Tissue Converting
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Available grade	Achieved
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Guidance Information

- 1 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the:

- Health and Safety at Work Act 2015
- Resource Management Act 1991.

Any new, amended or replacement Acts, regulations, standards, codes of practice, guidelines, or authority requirements or conditions affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.

- 2 Definition

Worksite policies and procedures refers to documented policies and to documented or other directions provided to staff. These include but are not limited to – ways of managing health and safety, environmental considerations, quality, and production, and must conform to legislation. Examples include – standard operating procedures, company health and safety plans, on-site briefings, and supervisor's instructions.

- 3 Range

Laminating or embossing unit may include – foot to foot embosser, decorator laminator embosser; nested embosser; evidence of one is required.

- 4 Assessment information

Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable service information, worksite policies and procedures and legislative requirements. This includes the knowledge and use of worksite specific equipment, procedures, and practices.

This unit standard may be assessed in the workplace using naturally occurring evidence or in a simulated environment that demands performance equivalent to that required in the workplace. All activities and evidence must be in accordance with worksite policies and procedures.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of the fundamentals of the operation of a laminating or embossing unit.

Performance criteria

- 1.1 The operational capabilities of a laminating or embossing unit are explained.
- 1.2 The purpose of the operating components of a laminating or embossing unit is explained.
- Range rolls, roll loading, embossing profiles, adhesive system.
- 1.3 Hazards associated with a laminating or embossing unit and the role of relevant protective equipment and safety features are explained.
- Range hazards may include but are not limited to – heat, nips, doctor blades, adhesives;
evidence of a minimum of five is required;
safety features may include but are not limited to – energy isolation procedures, lockouts, emergency stops, guards.
- 1.4 The consequences of non-conformance with worksite policies and procedures are explained.

Outcome 2

Operate and maintain a laminating or embossing unit on crepe tissue.

Performance criteria

- 2.1 Safe work practices associated with operating and maintaining a laminating or embossing unit are demonstrated.
- Range practices may include but are not limited to – energy isolation procedures, lockouts, emergency stops, machine guarding, wearing appropriate safety equipment.
- 2.2 Laminating or embossing unit is set up and operated.
- Range includes but is not limited to – roll load settings, adhesive system, threading of paper web through the laminating and/or embossing rolls, adjustment of web tension.

2.3 Operating and equipment faults and malfunctions are identified, and corrective action is taken.

Range operating faults and malfunctions include but are not limited to – embosser roll temperature variations, abnormal lamination variations, abnormal product bulk;
equipment faults and malfunctions include but are not limited to – electrical, mechanical, hydraulic, pneumatic, instrumentation.

2.4 Preventative maintenance and cleaning schedules for the laminating or embossing unit are carried out.

Outcome 3

Monitor and control the performance of a laminating or embossing unit.

Performance criteria

3.1 Productivity and quality is maintained by means of monitoring performance and adjustment of control parameters.

3.2 Product quality checks are carried out and corrective action taken.

3.3 Waste is minimised and recycled.

3.4 Rejection of any out of specification product is carried out.

Planned review date	31 December 2028
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	21 July 2011	31 December 2026
Review	2	29 June 2023	N/A
Revision	3	28 August 2025	N/A

Consent and Moderation Requirements (CMR) reference	0013
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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.