

Title	Cut glass with an automated or semi-automated machine		
Level	4	Credits	15

Purpose	<p>This unit standard is for experienced people in the glass processing industry.</p> <p>People credited with this unit standard are able to: select glass and prepare glass for cutting; and cut glass using an automated or semi-automated machine.</p>
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Classification	Glass and Glazing > Glass Processing and Manufacturing
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Available grade	Achieved
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Guidance Information

- 1 Legislation and standards relevant to this unit standard include:

[Health and Safety at Work Act 2015](#);

[Hazardous Substances and New Organisms Act 1996](#).

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.

- 2 Definitions

Job specifications refer to the scope of the work being undertaken. It includes the objectives, quality requirements, deliverables, timeline, budget, etc.

Workplace procedures refer to the documented procedures specific to a workplace that set out the standard and the required practices of that workplace. This may include job specifications, procedures, practices, manufacturer recommendations, technical data sheets and material safety data sheets.

- 3 Assessment information

Evidence for this unit standard must reflect:

- industry standards, current health, safety, industry, and workplace procedures;
- job specifications and customer requirements;
- industry requirements for commercially acceptable timeframes.

- 4 Range

Evidence required for – lightweight float glass (6mm and under), heavyweight float glass (8mm and above), and laminated glass.

Outcomes and performance criteria

Outcome 1

Select glass and prepare glass for cutting.

Performance criteria

1.1 Preparation of work area and personal safety precautions are carried out.

Range preparation includes – selection and use of protective clothing and safety equipment, identification of hazards and risks, ventilation of production area, clearing work area, ensuring cleanliness of work area.

1.2 Glass is selected to meet the job specifications for type, thickness, and size, and is checked for imperfections before use.

Outcome 2

Cut glass using an automated or semi-automated machine.

Performance criteria

2.1 Cutting machine is set up for glass type.

Range set-up includes – cutting wheel, cutting lubricant, cutting pressure, cutting machine parameters.

2.2 Cutting machine is operated.

Range operation includes – loading, cutting, breakout, unloading, dealing with off-cuts and trims.

2.3 Cut glass is checked for compliance with the job specifications.

Range squareness, shells, scratches, straightness of the cut, conformance to shape profile.

2.4 Quality procedures are applied to finished glass.

Range procedures include – seeds free, cleaning, labelling or marking, stacking, storing, and preparation for further processing or dispatch.

Replacement information	
This unit standard replaced unit standard 2061.	

Planned review date	31 December 2029
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 April 2004	31 December 2013
Review	2	21 May 2010	31 December 2017
Review	3	18 June 2015	31 December 2026
Rollover and Revision	4	25 August 2022	31 December 2026
Review	5	24 October 2024	N/A

Consent and Moderation Requirements (CMR) reference	0073
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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 at qualifications@hangaarorau.nz if you wish to suggest changes to the content of this unit standard.