

<b>Title</b>	<b>Program, set and operate a computer-controlled edge-bander</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>9</b>

<b>Purpose</b>	People credited with this unit standard are able to: demonstrate and apply knowledge of preparing to set; program and set; and operate a computer-controlled edge-bander.
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<b>Classification</b>	Furniture > Furniture and Cabinet Making
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Assessment information  
This unit standard may be assessed against on-job or off-job.  
All activities and performance criteria must be carried out in accordance with worksite policies and procedures.
- 2 Personal protective equipment, appropriate to job requirements, must be selected and used in accordance with worksite policies and procedures and manufacturer's instructions.
- 3 Definitions  
*Manufacturer's instructions* are instructions provided by manufacturers of substances, equipment, and machinery used in furniture making. These instructions may include details on safe and correct handling, use and storage of substances and/or details on substance properties. Examples are labels on substance containers, product data sheets, and operator's manuals.  
*SOIs* refer to safe operating instructions which are documented instructions attached to machines which detail requirements for safe operation of the particular machine.  
*Worksite policies and procedures* refer to documented policies and to documented or other directions provided to staff. These may 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.

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### Outcomes and performance criteria

#### Outcome 1

Demonstrate and apply knowledge of preparing to set a computer-controlled edge-bander.

**Performance criteria**

- 1.1 Job specifications are obtained and interpreted.
- Range materials, type and size of edging, panel edges to be edge-banded.
- 1.2 Presence of services is checked and confirmed to be present.
- Range electrical power, lighting, ventilation, dust extraction.
- 1.3 Pre-start check is undertaken in accordance with manufacturer's instructions and SOIs.
- Range oil and air supply, feed rollers.
- 1.4 Scheduled maintenance requirements for the machine are explained in accordance with manufacturer's instructions.
- 1.5 Machine safety features are identified, and their purpose explained in accordance with manufacturer's instructions.
- Range must include but is not limited to – emergency stop, guards, isolating switch.
- 1.6 Machine is turned on and put into safe mode in accordance with manufacturer's instructions and SOIs.
- 1.7 Edging and glue are selected in accordance with job specifications and manufacturer's instructions.
- 1.8 Panels are selected and positioned.
- Range minimises time to do job, prevents back strain.

**Outcome 2**

Program and set a computer-controlled edge-bander.

**Performance criteria**

- 2.1 Glue pot or cartridge is changed in accordance with manufacturer's instructions.
- 2.2 Machine is programmed in accordance with job specifications and manufacturer's instructions.
- Range board height, edging thickness, glue setting.

- 2.3 Required machine operations are selected in accordance with job specifications.
- Range may include but are not limited to – milling, buffing, end trimmers, corner rounding, profile scraping.
- 2.4 Edging is placed on in-feed table and positioned through feed roller in accordance with manufacturer's instructions.
- 2.5 One test panel is run through the machine and edging is checked in accordance with job specifications.
- Range timing, component dimensions, no chipping, no excess glue, even glue line, no scratching, edging securely adhered to panel.
- 2.6 Machine is adjusted if faults are identified in the test panel in accordance with manufacturer's instructions.
- 2.7 A second test panel is run and is free from defects in accordance with job specifications.
- 2.8 Machine is put into safe mode after running test panels in accordance with SOIs.
- 2.9 Work area is left clean, clear, and safe in accordance with worksite policies and procedures.

### Outcome 3

Demonstrate and apply knowledge of operating a computer-controlled edge-bander.

#### Performance criteria

- 3.1 Machine is started in accordance with SOIs.
- 3.2 Panels are run through the machine to apply edging in accordance with job specifications and SOIs.
- Range square to the fence.
- 3.3 Panels are edged within the time limits in accordance with job specifications.
- 3.4 Output is monitored to ensure panels are free from defects and meet job specifications.
- Range component dimensions, no chipping, no excess glue, even glue line, no scratching, edging securely adhered to panel.
- 3.5 The procedure to be followed when defects in panels and/or edging are identified is explained.
- 3.6 Components are identified or labelled and stored.

3.7 Machine is cleaned, and waste material is disposed of.

3.8 Work area is left clean, clear, and safe.

Range must include – surplus tape labelled and stored.

<b>Planned review date</b>	31 December 2025
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<b>Replacement information</b>	This unit standard replaced unit standard 18892.
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#### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	26 February 2002	31 December 2023
Review	2	19 June 2009	N/A
Review	3	28 January 2021	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0173
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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 Competenz [qualifications@competenz.org.nz](mailto:qualifications@competenz.org.nz) if you wish to suggest changes to the content of this unit standard.