

Title	Operate a dimension saw to produce square profiled furniture components		
Level	2	Credits	2

Purpose	People credited with this unit standard are able to: demonstrate and apply knowledge of preparing to operate a dimension saw; and operate a dimension saw to produce square profiled components.
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Classification	Furniture > Furniture and Cabinet Making
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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 Range
Competence must be demonstrated using a dimension saw to produce square profiled components using both solid timber and manufactured board.
- 3 Personal protective equipment, appropriate to job requirements, must be selected and used in accordance with worksite policies and procedures and manufacturer's instructions.
- 4 Reference
Guidance for woodworking machinery, available at <https://worksafe.govt.nz/topic-and-industry/machinery/woodworking>.
- 5 Definitions
A *dimension saw* is an accurate cutting saw which cuts both timber and sheet material to finished dimensions. The two main functions are to cut to length (crosscut) and cut to width (rip). The blade can also be tilted to angles up to 45 degrees. Therefore, dimension saws are also often used for cutting bevels, rebates, trenches, grooves, simple angles, and compound angles.
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.
Square profiled components are components made using no angle cutting. Examples include cutting components to length and width.
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. For the purposes of this unit standard worksite policies and procedures may also refer to the policies and procedures of an off-job training site.

Outcomes and performance criteria

Outcome 1

Demonstrate and apply knowledge of preparing to operate a dimension saw.

Performance criteria

- 1.1 Job specifications are obtained and interpreted.
- Range component dimensions, number of components to be produced, material, timeframe.
- 1.2 Materials are selected in accordance with job specifications.
- 1.3 Safety procedures for the machine are explained in accordance with SOIs.
- Range start-up, emergency procedures, shutdown.
- 1.4 Environmental and safety requirements are met.
- Range electrical power, lighting, ventilation, dust extraction fans.

Outcome 2

Operate a dimension saw to produce square profiled furniture components.

Performance criteria

- 2.1 Pre-start checks are performed in accordance with the manufacturer's recommendations.
- 2.2 Machine is operated in accordance with manufacturer's instructions and SOIs.
- Range hoof guard setting, push stick, riving knife, sliding table fence, rip fence.
- 2.3 Machine setting adjustments are made to rectify any out of specification materials in accordance with manufacturer's instructions.
- Range stops, fence.
- 2.4 The procedure for reporting substandard components is explained.
- 2.5 Components are sawn to sizes that meet job specifications.

2.6 Machine and work area are made clean, clear, and safe.

Replacement information	This unit standard and unit standard 25550 replaced unit standard 18904.
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Planned review date	31 December 2025
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	19 June 2009	N/A
Review	2	28 January 2021	N/A

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