

Title	Set and operate a flat bed sander to sand wooden furniture components		
Level	2	Credits	4

Purpose	People credited with this unit standard are able to: demonstrate and apply knowledge of preparing to set and operate; and set and operate, a flat bed sander to sand wooden furniture components.
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Classification	Furniture > Furniture and Cabinet Making
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Available grade	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 Reference
Guidance for woodworking machinery, available at <https://worksafe.govt.nz/topic-and-industry/machinery/woodworking>.
- 4 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.
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 set and operate a flat bed sander.

Performance criteria

- 1.1 Job specifications are obtained and interpreted.
Range components to be sanded, sander belt.
- 1.2 Sander belts are selected in accordance with job specifications.
- 1.3 Action to be taken when a sander belt requires replacement is explained.
- 1.4 Materials are selected in accordance with job specifications.
- 1.5 Environmental and safety requirements are met.
Range electrical power, lighting, ventilation, dust extraction.

Outcome 2

Set and operate a flat bed sander to sand wooden furniture components.

Performance criteria

- 2.1 Pre-start checks are performed in accordance with the manufacturer's recommendations.
- 2.2 Fences, safety guards, and belts are secured in place in accordance with job specifications and manufacturer's instructions.
- 2.3 Routine and minor maintenance of flat bed sander is undertaken in accordance with manufacturer's instructions.
- 2.4 Flat bed sander is operated in accordance with manufacturer's instructions.
- 2.5 Faces of furniture components are sanded on flat bed in accordance with job specifications.
- 2.6 Edges of furniture components are sanded on top belt in accordance with job specifications.
- 2.7 Belts are checked for sharpness throughout operation and changed if required.
- 2.8 Components are compared to job specifications throughout sanding operation. If required, machine settings are adjusted to rectify any out of specification components.
- 2.9 Components are sanded in accordance with job specifications.

- 2.10 Belts are removed from flat bed sander in accordance with manufacturer's instructions and stored in a dry area.
- 2.11 Work area is left clean, clear, and safe.

Planned review date	31 December 2024
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	7 May 1997	31 December 2012
Review	2	26 February 2002	31 December 2012
Review	3	19 June 2009	31 December 2012
Revision	4	21 July 2011	N/A
Review	5	10 December 2020	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.