

<b>Title</b>	<b>Set and operate a sanding machine to sand shaped furniture components</b>		
<b>Level</b>	<b>2</b>	<b>Credits</b>	<b>2</b>

<b>Purpose</b>	People credited with this unit standard are able to: prepare to sand shaped furniture components; demonstrate and apply knowledge of preparing a sanding machine to sand shaped furniture components; and sand shaped furniture components using a sanding machine.
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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 Range  
Competence must be demonstrated on at least one of the following machines – bobbin sander, brush sander, pneumatic sander, edge sander, disc sander, drum sander.
- 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  
*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.

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## Outcomes and performance criteria

### Outcome 1

Prepare to sand shaped furniture components.

#### Performance criteria

- 1.1 Job specifications are obtained and interpreted.  
Range components, sanding belts.
- 1.2 Belts are selected in accordance with job specifications.
- 1.3 Materials are selected in accordance with job specifications.
- 1.4 Environmental and safety requirements are met.  
Range electrical power, lighting, ventilation, dust extraction.

### Outcome 2

Demonstrate and apply knowledge of preparing a sanding machine to sand shaped furniture components.

#### Performance criteria

- 2.1 Fences and safety guards are set in accordance with job specifications and manufacturer's instructions.
- 2.2 Belt is selected, checked for sharpness and damage, and secured in place in accordance with job specifications and manufacturer's instructions.
- 2.3 Machine is set in accordance with job specifications and manufacturer's instructions.
- 2.4 Minor maintenance requirements of equipment are explained in accordance with manufacturer's instructions.
- 2.5 Materials are measured and marked out for sanding in accordance with job specifications.

### Outcome 3

Sand shaped furniture components using a sanding machine.

#### Performance criteria

- 3.1 Pre-start checks are performed in accordance with the manufacturer's recommendations.

- 3.2 Sander is operated in accordance with manufacturer's instructions.
- 3.3 Shaped components are sanded to meet requirements of job specifications.
- 3.4 Belts are checked for sharpness throughout operation and changed when required.
- 3.5 Substandard components are identified, rejected, and reported to the supervisor in accordance with job specifications.
- 3.6 Machine and work area are made clean, clear, and safe.
- 3.7 Belts are stored in a dry environment.

<b>Planned review date</b>	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 2011
Review	2	26 February 2002	31 December 2011
Review	3	19 June 2009	31 December 2011
Revision	4	17 September 2010	N/A
Review	5	10 December 2020	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.