

Title	Set an automatic wood turning lathe to turn wooden furniture components		
Level	4	Credits	4

Purpose	People credited with this unit standard are able to: demonstrate and apply knowledge of preparing to set; and set, an automatic lathe to turn 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 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.

Outcomes and performance criteria

Outcome 1

Demonstrate and apply knowledge of preparing to set an automatic lathe to turn wooden furniture components.

Performance criteria

- 1.1 Job specifications are obtained and interpreted.
Range material, component dimensions, number of components, shape.
- 1.2 Material is selected in accordance with job specifications.
- 1.3 Tooling is selected in accordance with job specifications.
- 1.4 Setting of machine is explained in accordance with manufacturer's instructions.
Range cutting tool to tool post, spindle speed, chuck and tail stock, saddle and cross slide, tool feed rate.
- 1.5 Machine maintenance requirements are explained in accordance with manufacturer's instructions.
Range lubrication, cutting tools, moving parts.
- 1.6 Environmental and safety requirements are met.
Range electrical power, air supply, ventilation, lighting, dust extraction.

Outcome 2

Set an automatic lathe to turn wooden furniture components.

Performance criteria

- 2.1 Machine is isolated from the power sources during set-up.
- 2.2 Timber is loaded into lathe.
- 2.3 Tooling is set in accordance with job specifications.
- 2.4 Rotation speed is set in accordance with job specifications.
- 2.5 Test piece is run, and any adjustments are made in accordance with job specifications.
- 2.6 Machines and work area are 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 2018
Review	2	26 February 2002	31 December 2018
Review	3	19 June 2009	31 December 2018
Review	4	19 March 2015	N/A
Review	5	10 December 2020	N/A

Consent and Moderation Requirements (CMR) reference

0173

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.