

Title	Operate an automatic wood-turning lathe to turn wooden furniture components		
Level	3	Credits	4

Purpose	People credited with this unit standard are able to: demonstrate and apply knowledge of preparing to operate; and operating 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.
Job specifications, equipment used, and job output must conform to current commercial industry practice.
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 operate an automatic lathe to turn wooden furniture components.

Performance criteria

- 1.1 Job specifications are obtained and interpreted.
- Range material, number of components, dimensions of components, shape of component.
- 1.2 Material is selected in accordance with job specifications.
- 1.3 Adjustment of machine operating controls is explained in accordance with manufacturer's instructions.
- Range spindle speed, cutting tool, saddle movement.
- 1.4 Environmental and safety requirements are met.
- Range electrical power, lighting, ventilation, dust extraction.

Outcome 2

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

Performance criteria

- 2.1 Pre-start checks are performed in accordance with the manufacturer's recommendations.
- 2.2 Material is loaded into the machine in position in accordance with job specifications.
- Range spindle chuck, tail stock.
- 2.3 Machine operation conforms to worksite policies and procedures and job specifications.
- 2.4 Output of machine is monitored during operation to ensure components meet job specifications.
- Range size, shape.
- 2.5 The procedure for replacing defective materials is explained.
- 2.6 Components are produced to specification and within the time limits in accordance with job specifications.

2.7 Machines and work area are made clean, clear, and safe.

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	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	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.