

<b>Title</b>	<b>Make wood machining jigs for sawing, boring, sanding, and planing machines</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>4</b>

<b>Purpose</b>	People credited with this unit standard are able to: demonstrate and apply knowledge of preparing to make wood machining jigs; and make, wood machining jigs.
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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 Personal protective equipment, appropriate to job requirements, must be selected and used in accordance with 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. 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.

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### Outcomes and performance criteria

#### Outcome 1

Demonstrate and apply knowledge of preparing to make wood machining jigs.

**Performance criteria**

1.1 Factors influencing jig design are explained in terms of ease of use and durability.

Range weight, loading and clamping, number of components to be manufactured using jig, material type.

1.2 Job specifications are obtained and interpreted.

Range material, template, size, profile, construction methodology, fixing and/or holding method, tools and machines to be used.

**Outcome 2**

Make wood machining jigs.

Range sanding machine jig, sawing machine jig, boring machine jig, planing machine jig.

**Performance criteria**

2.1 Material required for jigs is obtained in accordance with job specifications.

2.2 Template is produced in accordance with job specifications.

2.3 Jigs' dimensions are determined using template in accordance with job specifications.

2.4 Jigs are produced in accordance with job specifications.

Range safe, stable, ease of use, durable.

2.5 A component is manufactured and checked for accuracy and dimensions in accordance with job specifications.

2.6 Jigs are named and labelled in accordance with job specifications and instructions for using jig are written.

2.7 Jigs are stored safely and securely.

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

<b>Replacement information</b>	This unit standard, unit standard 18901, and unit standard 18902 replaced unit standard 2249.
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<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	26 February 2002	31 December 2023
Review	2	19 June 2009	N/A
Review	3	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](mailto:qualifications@competenz.org.nz) if you wish to suggest changes to the content of this unit standard.