

<b>Title</b>	<b>Safely use and maintain bench saws to machine timber on site</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>2</b>

<b>Purpose</b>	People credited with this unit standard are able to: safely use bench saws to machine timber to width or thickness and to cut to length on site; and maintain bench saws in safe working order on site.
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<b>Classification</b>	Construction Trades > Carpentry
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Definition  
*Bench saws*, for the purpose of this unit standard, include table saws, drop saws, mitre saws, radial arm saws, and sliding compound mitre saws.
- 2 The intent of this unit standard is for candidates to demonstrate the ability to cross-cut and rip timber.
- 3 For all *on site* unit standards the practical assessment evidence must be provided in the context of commercial business construction operations, in the workplace, under normal workplace conditions.
- 4 Credit for this unit standard indicates compliance with industry practice. *Industry practice* refers to the ability to demonstrate knowledge and skills that reflect the productivity, uniformity, finish quality and material economies currently accepted within industry.
- 5 Legislation relevant to this unit standard includes: Health and Safety in Employment Act 1992 and Health and Safety in Employment Regulations 1995.

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### Outcomes and performance criteria

#### Outcome 1

Safely use bench saws to machine timber to width or thickness and to cut to length on site.

Range table saw and one of – drop saw, mitre saw, radial arm saw, sliding compound mitre saw.

#### Performance criteria

- 1.1 Equipment is selected in terms of the identified work operation.

1.2 Equipment selected is set up to manufacturer’s instructions for the work operation, and in accordance with the requirements of the employer’s safety procedures.

Range guards, fences, riving knife, jigs, stops, support tables or rollers, power supply.

1.3 Timber is machined to the required profile, without injury to the operator or damage to the machine or the material being machined.

1.4 Personal safety equipment is used in accordance with the requirements of the employer’s safety procedures.

1.5 Machine and work areas are cleaned after use in accordance with the employer’s safety procedures.

**Outcome 2**

Maintain bench saws in safe working order on site.

**Performance criteria**

2.1 The sharpness of blade/s is confirmed before use.

2.2 Blade is selected and changed when required in accordance with manufacturer’s instructions and job requirements and in accordance with the employer’s safety procedures.

2.3 Machines are lubricated in accordance with manufacturer's instructions.

2.4 Machines are kept clean and free of corrosion in accordance with manufacturer’s instructions and the employer’s safety procedures.

2.5 Power supply is protected in accordance with the employer’s safety procedures.

<b>Replacement information</b>	<p>This unit standard and unit standard 12999 replaced unit standard 600.</p> <p>This unit standard, unit standard 13037 and unit standard 13039 were replaced by unit standard 32462.</p>
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**This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.**

**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	21 May 1999	31 December 2023
Review	2	26 February 2002	31 December 2023
Review	3	25 January 2008	31 December 2023
Review	4	30 September 2021	31 December 2023

**Consent and Moderation Requirements (CMR) reference**

0048

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.