

| | | | |
|--------------|----------------------------|----------------|-----------|
| Title | Bench circular saws | | |
| Level | 4 | Credits | 20 |

| | |
|----------------|--|
| Purpose | People credited with this unit standard are able to: demonstrate knowledge of hazards and safe work practices associated with benching circular saws; prepare circular saws for benching; calibrate and align circular saw benching equipment and explain the main function of tools and equipment used for calibration and alignment; level circular saws; and tension circular saws. |
|----------------|--|

| | |
|-----------------------|--|
| Classification | Solid Wood Manufacturing > Saw Doctoring |
|-----------------------|--|

| | |
|------------------------|----------|
| Available grade | Achieved |
|------------------------|----------|

Guidance Information

- 1 Legislation
Health and Safety at Work Act 2015.
Resource Management Act 1991.
- 2 Definitions
Accepted industry practice refers to approved codes of practice and standardised procedures accepted by the wider wood manufacturing industry as examples of best practice.
Workplace procedures refer to documented policies and procedures set by the organisation carrying out the work, and to documented or other directions provided to staff, and applicable to the tasks being carried out. They may include but are not limited to – standard operating procedures, site specific procedures, site safety procedures, equipment operating procedures, quality assurance procedures, product quality specifications, references, approved codes of practice, housekeeping standards, environmental considerations, on-site briefings, supervisor’s instructions, and procedures to comply with legislative and local body requirements relevant to the wood manufacturing sector.
- 3 Assessment information
All work practices must be in accordance with workplace procedures and accepted industry practice.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of hazards and safe work practices associated with benching circular saws.

Performance criteria

1.1 Hazards associated with benching circular saws are identified and actions to be taken to manage the hazards are described.

Range hazards may include but are not limited to – moving equipment, dust, mobile plant, noise; evidence of three is required.

1.2 Safe work practices associated with benching circular saws are identified and applied.

Range practices may include but are not limited to – isolation procedures, emergency stops, machine guarding, wearing appropriate safety equipment.

Outcome 2

Prepare circular saws for benching.

Performance criteria

2.1 Saw and work areas are cleaned of all foreign matter that could affect benching operations.

2.2 Benching equipment and tools are checked for wear and alignment and are lubricated.

Range may include but is not limited to – circular stretcher rolls, levelling block, heat tensioning unit, anvil and pad, tension gauge, marking stick, levelling rolls, hammers, straight edge, safety equipment.

2.3 Saw is checked for defects and remedial action is taken.

Range may include but is not limited to – bent or broken teeth, saw cracks, twists.

Outcome 3

Calibrate and align circular saw benching equipment and explain the main function of tools and equipment used for calibration and alignment.

Performance criteria

3.1 The tools used to align and calibrate benching equipment are identified and their main function is explained.

Range measuring tools, alignment tools.

- 3.2 Benching equipment components are checked for wear.
Range components – anvils, rolls, bearings, support slides.
- 3.3 Any worn benching equipment components are repaired or replaced.
- 3.4 Benching equipment components are calibrated in accordance with manufacturer's specifications.
Range levelled, aligned.

Outcome 4

Level circular saws.

Performance criteria

- 4.1 Circumferential and radial lumps are located and marked using a straight edge held at right angles to the saw face.
- 4.2 Lumps are removed.
Range correct hammer or stretcher rolls.
- 4.3 Saw level is checked for conformance to full diameter straight edge.

Outcome 5

Tension circular saws.

Performance criteria

- 5.1 Tension requirements are located and marked.
Range straight edge or tension gauge.
- 5.2 Tension is altered to meet tension requirements.
Range at least one of – hammer, stretcher rolls, heat unit.
- 5.3 Location of tension is checked for conformance to a given tension gauge or straight edge.
- 5.4 Tyre, body, and collar areas of saw are identified.
- 5.5 Overall tension is checked to show a uniform light spacing to a full diameter straight edge.

| | |
|----------------------------|------------------|
| Planned review date | 31 December 2024 |
|----------------------------|------------------|

Status information and last date for assessment for superseded versions

| Process | Version | Date | Last Date for Assessment |
|--------------|---------|-------------------|--------------------------|
| Registration | 1 | 27 January 1994 | 31 December 2012 |
| Review | 2 | 24 October 1996 | 31 December 2012 |
| Review | 3 | 10 February 1999 | 31 December 2012 |
| Review | 4 | 18 December 2006 | 31 December 2012 |
| Review | 5 | 15 April 2011 | N/A |
| Review | 6 | 24 September 2020 | N/A |

Consent and Moderation Requirements (CMR) reference

0013

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.