

<b>Title</b>	<b>Set cutters into cutterheads</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	People credited with this unit standard are able to: manage hazards associated with setting cutters into cutterheads; strip and clean cutterhead; select cutters; and fit balanced cutters.
----------------	---

<b>Classification</b>	Solid Wood Manufacturing > Timber Machining
-----------------------	---

<b>Available grade</b>	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.  
*Job requirements* refer to specific requirements for the job at hand. These requirements may or may not be covered in the job documentation and may include special instructions, quality requirements expected by the customer, and/or production standards as set down by the workplace.  
*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
  - a All activities and evidence must meet workplace procedures, accepted industry practice, and manufacturers’ specifications.
  - b The removal of the cutterhead from the planer is not part of this unit standard.
- 4 Recommended unit standard for entry: Unit 15774, *Demonstrate knowledge of timber machining*.

---

## Outcomes and performance criteria

### Outcome 1

Manage hazards associated with setting cutters into cutterheads.

#### Performance criteria

1.1 Hazards associated with setting cutters into cutterheads are identified and actions to be taken to manage the hazards are described.

Range hazards may include but are not limited to – tools left in the machine, components coming loose, guards not in place, loose clothing, inadvertent starting of the machine, noise; evidence of four is required.

1.2 Safe work practices associated with setting cutters into cutterheads are identified and applied.

Range practices include but is not limited to – isolation procedures, lock-outs, emergency stops, machine guarding, wearing of appropriate safety equipment.

1.3 Cut hazards and prevention methods associated with setting cutters are described.

### Outcome 2

Strip and clean cutterhead.

#### Performance criteria

2.1 Cutterheads are locked to prevent damage or injury.

2.3 The effects foreign matter has on setting operations are explained.

2.2 Cutterheads are cleaned of all foreign matter.

2.4 All installed cutters, gibs, and gib screws are removed.

Range includes but is not limited to – in sequence, free of distortion.

### Outcome 3

Select cutters.

**Performance criteria**

3.1 Cutters are selected in accordance with job requirements and factors involved in their selection are explained.

Range factors include but is not limited to - number, dimensions, shape, steel composition, back type, planer capability.

3.2 Cutters are selected in matched and balanced pairs.

**Outcome 4**

Fit balanced cutters.

**Performance criteria**

4.1 All cutters, gibs, and gib screws are set in the cutterhead.

4.2 All cutters are set in sequence around the head and torqued.

4.3 The effects of not setting and torquing in sequence are explained.

4.4 The torque setting of cutters in the head is checked.

4.5 Static and dynamic balance are described.

4.6 The effects of and remedies for out of balance cutters are explained.

4.7 Cutterheads are stored.

4.8 Records are completed.

<b>Planned review date</b>	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	25 June 2020	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	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](mailto:qualifications@competenz.org.nz) if you wish to suggest changes to the content of this unit standard.