

<b>Title</b>	<b>Set an overhead router with floating head, power feed, and vacuum clamp to shape wooden furniture components</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>4</b>

<b>Purpose</b>	People credited with this unit standard are able to: prepare to set an overhead router with floating head, power feed, and vacuum clamp; set an overhead router with jig and floating head to profile wooden furniture components; set an overhead router with power feed rollers and jig to shape wooden furniture components; and set an overhead router with vacuum clamp to shape wooden furniture components.
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<b>Classification</b>	Furniture > Furniture Making
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 This unit standard must be assessed against on-job.
- 2 Personal protective equipment, appropriate to job requirements, is to be selected and used in accordance with worksite policies and procedures and 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.

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### Outcomes and performance criteria

#### Outcome 1

Prepare to set an overhead router with floating head, power feed, and vacuum clamp.

**Performance criteria**

- 1.1 Job specifications are explained in accordance with worksite policies and procedures.
- Range profile, material, component dimensions, number of components, timeframe.
- 1.2 Type of cutters and cutter steel are explained in terms of the materials they cut.
- Range solid profile cutter, double flute, single flute, high-speed steel, tungsten carbide.
- 1.3 Attachments are selected in accordance with job specifications.
- Range floating head, vacuum clamping, guide pin, feed rollers.
- 1.4 Materials are selected in accordance with job specifications.
- 1.5 Jigs are selected in accordance with job specifications.
- 1.6 Environmental and safety requirements are met in accordance with worksite policies and procedures.
- Range electrical power, lighting, ventilation, dust extraction fans.
- 1.7 Routine maintenance is explained in accordance with manufacturer's instructions.
- Range cutters, lubrication, pneumatics, hydraulics, belts.

**Outcome 2**

Set an overhead router with jig and floating head to profile wooden furniture components.

**Performance criteria**

- 2.1 Machine is isolated from the power sources during set-up in accordance with worksite policies and procedures.
- 2.2 Cutter is secured in the collet and fixed on the spindle in accordance with manufacturer's instructions.
- 2.3 Overhead router is set in accordance with job specifications.
- Range cutter depth, jig, floating head.
- 2.4 Shaving hood is set and secured in accordance with job specifications.
- 2.5 Machine speed is selected in accordance with manufacturer's instructions.

- 2.6 Test piece is run and checked against job specifications. Adjustments are made if required.

### **Outcome 3**

Set an overhead router with power feed rollers and jig to shape wooden furniture components.

#### **Performance criteria**

- 3.1 Machine is isolated in accordance with worksite policies and procedures.
- 3.2 Cutter is secured in the collet and fixed on the spindle in accordance with manufacturer's instructions.
- 3.3 Overhead router is set in accordance with job specifications.  
Range cutter depth, jig, feed rollers.
- 3.4 Shaving hood is set and secured in accordance with job specifications.
- 3.5 Machine speed is selected in accordance with manufacturer's instructions.
- 3.6 Component is secured in jig in accordance with workplace policies and procedures.
- 3.7 Test piece is run and checked against job specifications. Machine is adjusted, if required, in accordance with worksite policies and procedures.

### **Outcome 4**

Set an overhead router with vacuum clamp to shape wooden furniture components.

#### **Performance criteria**

- 4.1 Machine is isolated in accordance with worksite policies and procedures.
- 4.2 Cutter is secured in collet and fixed on spindle in accordance with manufacturer's instructions.
- 4.3 Overhead router is set in accordance with job specifications.  
Range cutter depth, jig, vacuum clamping.
- 4.4 Shaving hood is set and secured in accordance with job specifications.
- 4.5 Machine speed is selected in accordance with manufacturer's instructions.
- 4.6 Component is secured on the jig in accordance with worksite policies and procedures.

- 4.7 Test piece is run and checked against job specifications. Adjustments are made if required in accordance with job specifications and worksite policies and procedures.
- 4.8 Work area is left clean, clear, and safe in accordance with worksite policies and procedures.

<b>Replacement information</b>	This unit standard and unit standard 25542 replaced unit standard 9795.
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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	19 June 2009	31 December 2018
Review	2	19 March 2015	31 December 2023
Review	3	10 December 2020	31 December 2023

<b>Consent and Moderation Requirements (CMR) reference</b>	0173
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.