

<b>Title</b>	<b>Wash glass containers for reuse using a bottle washing machine</b>		
<b>Level</b>	<b>2</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	<p>This unit standard is for people who are currently working in the resource recovery industry.</p> <p>People credited with this unit standard are able to demonstrate knowledge of a bottle washing machine; prepare to operate a bottle washing machine; demonstrate the operation of a bottle washing machine; wash glass containers by machine for reuse; and maintain a bottle washing machine and area.</p>
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<b>Classification</b>	Resource Recovery > Recycling and Recovery
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 All work practices must comply with:  
Health and Safety at Work Act 2015;  
Bottle washing machine manufacturer’s instructions;  
Processing schedule.
- 2 Hazard controls, safety procedures, and personal protective equipment must be used throughout operations in accordance with company procedures.
- 3 Definitions  
*Bottle washing machine* refers to machinery for washing glass containers, such as bottles and jars.  
*Company procedures* mean the documented methods for performing work activities and includes health and safety, environmental, and quality management requirements. They may refer to manuals, codes of practice, or policy statements.

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### Outcomes and performance criteria

#### Outcome 1

Demonstrate knowledge of a bottle washing machine.

**Performance criteria**

- 1.1 The potential hazards of operating bottle washing machines are identified and hazard controls are outlined in accordance with bottle washing machine manufacturer's instructions and company procedures.

Range includes but is not limited to – water temperature, water pressure.

- 1.2 The components and functions of a bottle washing machine are described in accordance with bottle washing machine manufacturer's instructions and company procedures.

Range components include but are not limited to – machine controls, water inlet, valves, spray jets, drainage, racks, drying system.

**Outcome 2**

Prepare to operate a bottle washing machine.

**Performance criteria**

- 2.1 Job requirements are confirmed in accordance with company procedures.

Range includes but is not limited to – bottle type, bottle preparation, machine settings, recording.

- 2.2 Machine prestart checks are demonstrated in accordance with bottle washing machine manufacturer's instructions and company procedures.

- 2.3 Unsuitable material is identified and rejected in accordance with client requirements, bottle washing machine manufacturer's instructions, and company procedures.

**Outcome 3**

Demonstrate the operation of a bottle washing machine.

**Performance criteria**

- 3.1 Machine startup and shutdown procedures are demonstrated in accordance with bottle washing machine manufacturer's instructions and company procedures.

- 3.2 Machine is operated safely in accordance with bottle washing machine manufacturer's instructions and company procedures.

- 3.3 Specifications are maintained during processing and machine faults are reported or acted on in accordance with company procedures.

Range specifications may include but are not limited to – water temperature, water pressure, drying temperature; machine faults may include – stopping, blockage, mechanical failure, electrical failure.

- 3.4 Emergency shutdown is demonstrated in accordance with bottle washing machine manufacturer's instructions and company procedures.

#### **Outcome 4**

Wash glass containers by machine for reuse.

##### **Performance criteria**

- 4.1 Containers are received and fed into the machine in accordance with company procedures.
- 4.2 Process checks are completed during operations in accordance with company procedures.
- 4.3 Commodity throughput is maintained in accordance with provided processing schedule.
- 4.4 The washed containers meet client requirements for cleanliness and labelling, and company requirements for minimal breakage of containers.

#### **Outcome 5**

Maintain a bottle washing machine and area.

##### **Performance criteria**

- 5.1 Operator maintenance is demonstrated in accordance with bottle washing machine manufacturer's instructions and company procedures, and any specialist servicing requirements are reported in accordance with company procedures.

Range maintenance may include but is not limited to – minor adjustments to machine, notifying person responsible for corrective action.

- 5.2 Housekeeping of bottle washing area is demonstrated in accordance with company procedures.

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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	25 February 2008	31 December 2025
Rollover and Revision	2	28 March 2019	31 December 2025
Review	3	24 April 2025	31 December 2025

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

0014

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