



Australian Government

MSMPMC312 Operate glass finishing equipment

Release: 1

MSMPMC312 Operate glass finishing equipment

Modification History

Release 1. New unit. Supersedes and is equivalent to PMC552048 Operate glass finishing equipment.

Application

This unit describes the skills and knowledge required to operate glass finishing and ancillary equipment. It applies to finishing processes for any glass product in both large production and smaller craft contexts.

This unit applies to operators who are required to take responsibility for own outputs and follow established procedures to set up, operate, monitor and adjust the equipment and undertake changeovers. Operators are also required to work autonomously and apply their own judgement to interpret information; monitor processes; identify and address routine and non-routine problems and control hazards.

This unit applies to an individual working alone or as part of a team or group and in liaison with other shift team members, team leader and supervisor.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Pre-requisite Unit

Nil

Competency Field

Operations

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare the glass finishing equipment for production	1.1 Set up line and equipment in accordance with job specifications 1.2 Transfer glass to conveyor 1.3 Conduct pre-start-up procedures and visual checks according to enterprise procedure checklist 1.4 Set up and configure finishing equipment and materials to ensure start-up function complies with standard operating procedures

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.5 Load and separate glass
2. Operate and monitor glass finishing equipment	2.1 Identify customer requirements and set minimum parameters 2.2 Start up and operate glass finishing equipment in accordance with established enterprise procedures and work instructions 2.3 Monitor equipment performance 2.4 Monitor product for non-conformance to customer specifications 2.5 Adjust and control equipment and material to ensure correct product quality 2.6 Complete final inspection checks 2.7 Complete appropriate records and logs
3. Shut down equipment	3.1 Ensure line and equipment is clear of all product and left in a safe manner for shutdown 3.2 Shut down equipment and complete appropriate records and logs
4. Rectify routine problems	4.1 Identify and rectify faults and equipment failure 4.2 Maintain records and log books of equipment operations 4.3 Identify non-routine problems and report to designated person
5. Control hazards	5.1 Identify glass finishing hazards 5.2 Assess the risks arising from those hazards 5.3 Implement measures to control those risks 5.4 Shut down equipment in an emergency

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

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Links

Companion Volume Implementation Guides are available at VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=d1287d36-dff4-4e9f-ad2c-9d6270054027>

Assessment Requirements for MSMPMC312 Operate glass finishing equipment

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Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and:

- operated glass finishing and ancillary equipment to finish at least 1 glass product, including:
 - monitoring the following key variables to ensure product integrity and conformance to specification:
 - ribbon quality
 - dimensions
 - temperature and stress parameters
 - recognising possible causes of the following routine problems:
 - raw material variations
 - equipment, electrical and instrument malfunctions
 - process abnormalities.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- common types of glass finishing processes and their role
- glass finishing equipment being used, including:
 - functions, limitations
 - start-up, operation and shutdown processes
 - the potential effects of equipment operation in relation to quality of product
- composition and nature of the glass
- the potential effects of variations in raw materials in relation to quality of product
- routine problems and factors which may affect product quality or production output, their probable causes and relevant corrective actions
- work health and safety (WHS) requirements relevant to work outcome
- glass finishing hazards and:
 - their possible causes
 - potential consequences
 - risk control procedures.

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Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - glass finishing and ancillary equipment
 - materials to be finished
 - specifications, procedures and job sheets
- modelling of industry operating conditions, including:
 - routine and non-routine problems.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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