



Australian Government

MSF GG3030 Process glass by automatic machines

Release: 1

MSFGG3030 Process glass by automatic machines

Modification History

Release 1. Supersedes and is equivalent to MSFGG3006 Process glass by automatic machines.

Application

This unit describes the skills and knowledge required create jobs and to program and operate automatic glass processing equipment for cutting, drilling, shaping and edging of glass.

This unit applies to glass processing workers.

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

N/A

Unit Sector

Glass and Glazing

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. Create job	1.1 Read work instructions and identify design requirements 1.2 Select and use software features to create job that meets requirements 1.3 Transfer file to machine in required format
2. Program machine	2.1 Check readiness of machine for operation in accordance with workplace procedures 2.2 Accurately calculate and enter information required by machine in accordance with processing requirements
3. Operate and monitor machine	3.1 Use system controls correctly to start required process 3.2 Communicate with other team members in accordance with workplace procedures 3.3 Monitor and respond to system alerts in accordance with machine

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	operating procedures
4. Complete work	4.1 Unload glass from machine in accordance with safety procedures and check against job and quality requirements 4.2 Label and store processed glass in accordance with workplace procedures ensuring there are no projections 4.3 Accurately complete required workplace documentation

Foundation Skills

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

Unit Mapping Information

Supersedes and is equivalent to MSFGG3006 Process glass by automatic machines.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>

Assessment Requirements for MSFGG3030 Process glass by automatic machines

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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:

- used automatic glass processing equipment for all of the following:
 - cutting from optimisation data
 - drilling
 - edging.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- purpose and key provisions of Australian Standard AS/NZS 4667:2000 Quality requirements for cut-to-size and processed glass
- workplace safety system requirements related to glass processing by automatic machine
- work flow requirements in relation to glass processing
- mathematical procedures for machine programming
- qualities and characteristics of different types of glass, including hazards and handling requirements
- features of software used in automatic processing in relation to design and file transfer
- types, characteristics, safe use, maintenance and capabilities of computer-navigated and Computer Numerical Control (CNC) machines:
 - bevellers and brilliant cutter
 - diamond saws
 - edgers
 - laser glass cutters
 - straight line and shape annealed and laminated glass cutters
 - water jet machines
 - marking tools
 - measuring tools, including tape measures, L-squares and straight edges
 - templates
- types of information that needs to be entered into automatic machines:
 - glass thickness

- size
- type
- stock sheet size
- off-cut sizes
- procedures for automatic machine processing, the types of problems that may occur and how to avoid and respond
- quality indicators for processed glass
- procedures for the recording, reporting and maintenance of workplace records and information.
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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:
 - equipment, tools and materials to complete tasks in the Performance Evidence
 - glass product to be processed
 - work orders
 - workplace procedures.

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

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