



Australian Government

MSFGG3042 Process glass by semi-automatic machines

Release: 1

MSFGG3042 Process glass by semi-automatic machines

Modification History

Release 1. Supersedes and is equivalent to MSFGG3005 Process glass by semi-automatic machines.

Application

This unit describes the skills and knowledge required to cut, drill, shape and edge glass using semi-automatic glass processing equipment.

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. Identify work requirements	1.1 Read work instructions and identify job requirements 1.2 Identify and follow work health and safety requirements, using all required personal protective equipment 1.3 Determine quality standards and identify procedures in accordance with workplace requirements and industry standards 1.4 Plan sequence of work to ensure processing is conducted in a logical order
2. Prepare for work	2.1 Identify components and controls of machines, including emergency stops and guards, and take appropriate action if not in working order in accordance with workplace procedures 2.2 Accurately calculate and enter information required by machine for required process

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	2.3 Clear work area of obstructions and potential hazards 2.4 Identify and locate glass to be processed and check for imperfections and damage using appropriate handling techniques
3. Conduct processing operations	3.1 Operate and monitor machines in accordance with manufacturer instructions and workplace procedures to ensure correct product quality and output 3.2 Make required routine lubrication and adjustments of machines and/or equipment 3.3 Identify problems occurring during work operations and report to appropriate persons in accordance with workplace procedures, and follow any authorised changes in working procedures 3.4 Inspect completed product for quality of work and repair, reprocess or discard in accordance with workplace procedures.
4. Complete work	4.1 Label processed glass and store in accordance with workplace procedures ensuring there are no projections 4.2 Clean work area, safely dispose of rubbish and identify items for recycling in accordance with workplace procedures 4.3 Remove and store tools, equipment and unused materials in accordance with workplace procedures 4.4 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 MSFGG3005 Process glass by semi-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 MSFGG3042 Process glass by semi-automatic machines

Modification History

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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:

- set up and used semi-automatic glass processing equipment in accordance with all safety and Australian Standards requirements as follows:
 - 3 of the following machines:
 - straight line edger
 - straight line beveller
 - single and/or double head glass drill
 - glass washer and dryer
 - shaped beveller
 - glass cutting table
 - 3 of the following processes:
 - cutting
 - drilling
 - edging
 - washing and drying
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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
- workplace safety system requirements related to glass processing by semi-automatic machine
- work flow requirements in relation to glass processing
- mathematical procedures for estimation and measurement, including calculation of area and estimation of material requirements
- qualities and characteristics of float and laminate glass, including hazards and handling requirements
- types, characteristics, safe use, maintenance and limitations of semi-automatic machines:
 - cutting tables
 - milling machines

- shape cutters
- single and double head diamond drill machine
- straight line and variable angle edgers
- straight line annealed and laminated glass cutters
- washing machines
- types, characteristics, safe use, maintenance and limitations of other tools and equipment used:
 - lubricants
 - marking tools
 - measuring tools, including tape measures, L-squares and straight edges
 - templates
- procedures for semi-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
 - safety and personal protective equipment
 - work orders
 - workplace procedures.

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

Links

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