



Australian Government

MSFGG3010 Set up and operate glass laminating equipment

Release: 1

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Modification History

Release 1 - New unit of competency

Application

This unit of competency covers setting up, monitoring and operating glass laminating equipment, including operator maintenance.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Competency Field

Unit Sector

Glass and Glazing

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

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| 1 | Prepare for work | 1.1 | Work requirements from work instructions are determined |
| | | 1.2 | Work health and safety (WHS) requirements relevant to operating glass laminating equipment, including personal protective equipment, are observed throughout the work |
| | | 1.3 | Work sequence is planned in a logical order to suit the job and workplace procedures |
| | | 1.4 | Tools, equipment and materials are selected and checked prior to use to ensure they are appropriate for the work, of the required quality, serviceable and in a safe condition |
| | | 1.5 | Machines, cutting tools and jigs are identified and checked for safe and effective operation, including emergency stops, gauges, guards and controls |

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| | 1.6 | Procedures for checking the quality of materials and items produced, rating system compliance, working condition of equipment and quality requirements for each stage of the laminating process are identified |
| | 1.7 | Communication with others involved with the work is established and maintained to ensure efficient work flow coordination, personnel cooperation and safety throughout the work |
| 2 | Set up equipment | |
| | 2.1 | Machine settings and adjustments are made in accordance with job requirements and machine and tool manufacturer instructions |
| | 2.2 | Trial runs are conducted to check machine operation, accuracy and quality of finished work, and any necessary adjustments made to machine settings |
| 3 | Conduct glass laminating operations | |
| | 3.1 | Glass to be laminated is prepared for the process in accordance with workplace procedures or industry practice |
| | 3.2 | Start-up and shutdown procedures for equipment used in the laminating process are completed in accordance with manufacturer instructions or workplace procedures |
| | 3.3 | Glass flopping and washing procedures are conducted in accordance with manufacturer instructions or workplace procedures |
| | 3.4 | White room procedures are conducted in accordance with manufacturer instructions or workplace procedures |
| | 3.5 | White room hoist is operated in accordance with manufacturer instructions or workplace procedures |
| | 3.6 | Pre-press oven and glass stacker are operated in accordance with manufacturer instructions or workplace procedures to recognised industry standards |
| | 3.7 | Air lifter is operated in accordance with manufacturer instructions or workplace procedures |
| | 3.8 | Autoclave is loaded, operated and unloaded in accordance with manufacturer instructions or workplace procedures |
| | 3.9 | Cutting table is operated to cut glass to required size (if applicable) in accordance with manufacturer instructions or workplace procedures |

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| | 3.10 | Straight line linear machine is operated in accordance with manufacturer instructions or workplace procedures |
| 4 | Complete work and maintain equipment | |
| | 4.1 | Product is inspected for quality of work and items which do not meet quality requirements discarded or returned for reprocessing in accordance with workplace procedures |
| | 4.2 | Completed work is placed in holding area in accordance with workplace procedures |
| | 4.3 | Work area is cleaned and rubbish disposed of, as appropriate |
| | 4.4 | Equipment is cleaned and inspected for serviceability in accordance with workplace procedures |
| | 4.5 | Unserviceable equipment is tagged and faults identified in accordance with workplace procedures |
| | 4.6 | Equipment and tooling is maintained in accordance with workplace procedures |
| | 4.7 | Tools, equipment and unused materials are removed and stored appropriately |
| | 4.8 | Workplace documentation is completed in accordance with workplace requirements |

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency. Detail on appropriate performance levels for each furnishing unit of competency in reading, writing, oral communication and numeracy utilising the Australian Core Skills Framework (ACSF) are provided in the Furnishing Training Package Implementation Guide.

Range of Conditions

Specifies different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included. Range is restricted to essential operating conditions and any other variables essential to the work environment.

Unit context includes:	• WHS requirements, including legislation, building codes, material safety management systems, hazardous and dangerous goods codes, and local safe operating procedures or equivalent • work is carried out in accordance with legislative obligations, environmental legislation, relevant health regulations, manual handling procedures and organisation insurance requirements • work requires individuals to demonstrate some discretion, judgement and problem solving
Work instructions include:	• material to be used • process required to complete work tasks • the type, thickness and colour of the interlayer • number of sheets to be laminated and holding area for completed items • the correct machine heat and pressure settings for the materials being used
Laminated glass includes:	• safety glass • automotive glass • bullet and bandit resistant glass • patterned laminated glass • insulated glass
Tools and equipment include:	• glass flopping and washing machines • white room • hoist • pre-press oven • glass stacker • air lifter • autoclave • packing equipment • cutting machine • straight line linear machine • standards stamping equipment, including stamp
Materials include:	• annealed float • sheet and patterned glass
Personal protective	• that prescribed under legislation, regulation and enterprise

equipment includes:**policies and practices:**

- gauntlets
- gloves
- safety glasses
- hard hats
- safety footwear
- aprons and overalls

Information and procedures include:

- workplace procedures relating to the use of tools and equipment and personal protective equipment
- work instructions, including job sheets, cutting lists, plans, drawings and designs
- workplace procedures relating to reporting and communication
- manufacturer specifications and operational procedures
- AS/NZS 2208:1996 Safety glazing materials in buildings

Unit Mapping Information

Supersedes and is equivalent to LMFGG3009C Set up and operate glass laminating equipment.

Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>