



Australian Government

PMC552046 Operate glass printing equipment

Release: 1

PMC552046 Operate glass printing equipment

Modification History

Release 1. Supersedes and is equivalent to PMC552046C Operate glass printing equipment

Application

- This unit of competency covers the skills and knowledge required to operate glass printing equipment, as used for manufacturing of glass containers (e.g. bottles and jars), and ancillary equipment that is integral to the process.
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- This unit of competency applies to operators who are required to set up printing equipment, clean and maintain print screens, monitor glass throughput and quality, undertake routine checks and identify and rectify routine problems.
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- This unit of competency applies to an individual working alone or as part of a team or group and working in liaison with other shift team members, team leader and supervisor, as appropriate.
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- No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Competency Field

Operations

Unit Sector

Not applicable

Elements and Performance Criteria

Elements describe the essential outcomes.

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

1	Prepare the printing equipment for	1.1	Set up line in accordance with job specifications
		1.2	Transfer glass to conveyor

	production	1.3	Conduct pre-start procedures and visual checks according to enterprise procedure checklist
		1.4	Set up and configure printing equipment to ensure start-up function complies with standard operating procedures (SOPs)
		1.5	Load and separate glass in accordance with work instructions
2	Operate printing equipment	2.1	Identify customer requirements and set minimum parameters in accordance with batch sheets
		2.2	Start up equipment in accordance with work instructions
		2.3	Ensure glass printing equipment is operated in accordance with established enterprise procedures
3	Monitor and record printing equipment operation	3.1	Monitor equipment performance in accordance with work instructions and manufacturer specifications
		3.2	Monitor product for non-conformance to customer specifications
		3.3	Adjust and control equipment to ensure correct product quality in accordance with company requirements
		3.4	Complete final inspection checks
		3.5	Complete appropriate records and logs
4	Rectify routine problems	4.1	Identify the range of faults that can occur during the operation
		4.2	Determine and rectify fault causes in accordance with procedures
		4.3	Identify and rectify equipment failure causes in accordance with procedures
		4.4	Ensure appropriate records and log books of equipment operations are maintained to meet procedures
		4.5	Identify non-routine problems and report to designated

person

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| 5 | Shut down equipment | 5.1 | Ensure line is clear of all product and left in a safe manner for shutdown |
| | | 5.2 | Shut down equipment in accordance with work instructions |
| | | 5.3 | Complete appropriate records and logs |
| | | 5.4 | Shut down equipment in an emergency situation |
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| 6 | Prepare equipment for maintenance | 6.1 | Isolate equipment in accordance with work instructions |
| | | 6.2 | Remove any broken glass safely |
| | | 6.3 | Make sure area is clear and safe for maintenance |
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| 7 | Control hazards | 7.1 | Identify hazards from the job to be done |
| | | 7.2 | Identify other hazards in the work area |
| | | 7.3 | Assess the risks arising from those hazards |
| | | 7.4 | Implement measures to control those risks in line with procedures |

Foundation Skills

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

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

Range of Conditions

This field allows for 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.

Regulatory framework The latest version of all legislation, regulations, industry codes of practice and Australian/international standards, or the version specified by the local regulatory authority, must be used.

Applicable legislation, regulations, standards and codes of practice include:

- health, safety and environmental (HSE) legislation, regulations and codes of practice relevant to the workplace, equipment and production processes and hazardous materials
- Australian/international standards relevant to the materials being used and products being made
- any relevant licence and certification requirements.

All operations to which this unit applies are subject to stringent HSE requirements, which may be imposed through state/territory or federal legislation, and these must not be compromised at any time. Where there is an apparent conflict between performance criteria and such requirements the legislative requirements take precedence.

Procedures All operations must be performed in accordance with relevant procedures.

Procedures are written, verbal, visual, computer-based or in some other form, and include one or any combination of:

- job cards
- emergency procedures
- work instructions
- SOPs
- safe work method statements (SWMS)
- formulas/recipes
- batch sheets
- temporary instructions
- any similar instructions provided for the smooth running of the plant.

Tools and equipment Tools and equipment include:

- printing and edgework equipment

- ancillary equipment that is integral to the process
- measuring and recording equipment.

Problems Routine problems must be resolved by applying known solutions.

Routine problems are predictable and include one or more of:

- process problems
- equipment problems
- quality problems.

Known solutions are drawn from one or more of:

- procedures
- training
- remembered experience.

Non-routine problems must be reported according to according to relevant procedures.

Hazards Hazards must be identified and controlled. Identifying hazards requires consideration of:

- high temperatures
- smoke, dust, vapours or other atmospheric hazards
- weight, shape, volume of materials to be handled
- hazardous products and materials
- sharp edges, protrusions or obstructions
- slippery surfaces, spills or leaks
- electricity
- gas
- gases and liquids under pressure
- noise
- rotational equipment or vibration
- plant services (steam, condensate, cooling water, etc)
- structural hazards
- equipment failures
- machinery, equipment and product mass
- limited head spaces or overhangs
- working at heights
- working in restricted or confined spaces
- other hazards that might arise.

Records and reports

Records include one or more of:

- log books/sheets
- electronic records
- job/work sheets
- other records used for the smooth running of the plant.

Reports include one or more of:

- paper or electronic-based logs and reports
- verbal/radio reports
- reporting items found which require action.

Unit Mapping Information

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Links

MSA Training Package Implementation Guides - <http://mskills.org.au/training-packages/info/>