



Australian Government

MSTFP2008 Perform moulding operations

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to LMTFP2008B Perform moulding operations

Application

This unit of competency covers the skills and knowledge required to perform moulding operations.

The unit of competency applies to the preparation, operation, monitoring and adjusting of moulding machines used to mould and attach soles to footwear.

Work may be conducted in small to large scale enterprises and may involve individual and team activities.

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

Pre-requisite Unit

Nil

Competency Field

Footwear production

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 Determine job requirements	1.1	Follow standard operating procedures (SOPs)
	1.2	Comply with work health and safety (WHS) requirements at all times
	1.3	Use appropriate personal protective equipment (PPE) in accordance with SOPs
	1.4	Identify job requirements from specifications, drawings, job sheets or work instructions

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|---|---|-----|---|
| 2 | Set up and load moulding machine | 2.1 | Adjust machine settings to meet product requirements |
| | | 2.2 | Check sole moulds and set according to manufacturer specifications |
| | | 2.3 | Check mould size, type and date stamp, and load lasted uppers onto machine |
| | | 2.4 | Prepare mould material, moulding tools and equipment and check for production |
| | | 2.5 | Report non-conforming materials |
| | | 2.6 | Clean area around machine during and on completion of setting and loading |
| | | | |
| 3 | Operate and monitor moulding machine | 3.1 | Start up and shut down machine according to manufacturer requirements |
| | | 3.2 | Monitor machine operation to ensure correct procedures are assessed and product meets quality standards |
| | | 3.3 | Perform checks to ensure required flow of moulding material and report non-conforming product |
| | | 3.4 | Sort waste and clean machine when required |
| | | 3.5 | Identify minor product process and machine faults and address to meet specified requirements |
| | | 3.6 | Report major machine or product faults |
| | | | |
| 4 | Conduct final quality check and complete records | 4.1 | Check moulded sole against quality standards |
| | | 4.2 | Unload footwear from moulding machine according to manufacturer specifications |
| | | 4.3 | Complete cleaning of area to ensure work environment is maintained in a safe and productive manner |
| | | 4.4 | Complete production records and other documentation |

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.

Workplace procedures include one or more of the following:

- requirements prescribed by legislation, awards, agreements and conditions of employment
- SOPs
- work instructions
- oral, written and visual communication
- quality practices, including responsibility for maintenance of own work quality and contribution to quality improvement of team or section output
- housekeeping
- tasks related to environmental protection, waste disposal, pollution control and recycling
- WHS practices

Australian Standards include:

- the relevant industry or Australian Standards that are current at the time this unit is being undertaken

Mould material includes one or more of the following:

- PVC
- rubber
- polyurethane
- dual density polyurethane
- thermoplastic polyurethane

Moulding tools and equipment include one or more of the following:

- Allen keys
- soft-faced mallet
- spanners
- gloves
- punch
- apron
- tape

- shaping block

Checks include the following:

- pigment tanks are full and stirred
- heads are clear and greased
- mould release tanks are full
- electrostatic wire is clean
- nozzle caps are in good condition

Unit Mapping Information

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Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a203ec5c-de7d-406b-b3e1-8f1a9b76e92e>