



Australian Government

Department of Education, Employment and Workplace Relations

LMTFP2008B Perform moulding operations

Revision Number: 1

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Modification History

Not applicable.

Unit Descriptor

Unit descriptor This unit covers the skills and knowledge to perform moulding operations.

Application of the Unit

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The unit 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.

The application of this unit is according to OHS practices of the enterprise and workplace practices, which may include:

- requirements prescribed by legislation, awards, agreements and conditions of employment
- standard operating procedures
- 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

This unit requires the application of skills associated with planning and organising to set up and operate moulding machines. Problem solving skills are required to ensure work conforms to requirements and identify any production problems. Communication skills are used to refer to and complete required documentation. Self management skills are used to ensure safe use of technology and conformance of own work to quality standards.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisites

Employability Skills Information

Employability Skills This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Not applicable.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1 Set up and load moulding machine	1.1 Machine settings are adjusted to meet product requirements. 1.2 Sole moulds are checked and set according to manufacturer specifications. 1.3 Mould size, type and date stamp are checked. 1.4 Lasted uppers are loaded onto machine. 1.5 Mould material is prepared and checked for production. 1.6 Moulding tools and equipment are prepared and checked for production. 1.7 Non-conforming materials are reported. 1.8 Area around machine is cleaned during and on completion of setting and loading.
2 Operate and monitor moulding machine	2.1 Machine is started up and shut down according to manufacturer requirements. 2.2 Machine operation is monitored to ensure correct procedures are assessed and product meets quality standards. 2.3 Checks are performed to ensure required flow of moulding material. 2.4 Non-conforming product is reported. 2.5 Waste is sorted. 2.6 Machine is cleaned when required. 2.7 Minor product process and machine faults are identified and addressed to meet specified requirements. 2.8 Major machine or product faults are reported. 2.9 Moulding is conducted according to OHS practices
3 Remove footwear from machine	3.1 Moulded sole is checked against quality standards. 3.2 Footwear is unloaded from moulding machine according to manufacturer specifications. 3.3 Cleaning of area is completed to ensure work environment is maintained in a safe and productive manner.
4 Complete records	4.1 Production records and other documentation is accurately completed.

Required Skills and Knowledge

This describes the essential skills and knowledge and their level, required for this unit.

Demonstrates knowledge of:

- procedures and guidelines for safe operation of moulding machine
- typical fault conditions and related fault finding procedures
- machine maintenance and repair techniques
- technical specifications manuals
- quality standards and practices
- OHS practices, including hazard identification and control measures
- workplace practices
- recording and reporting practices

Demonstrates skills to:

- check machine safety equipment and report any faults
- check machine maintenance records
- recognise fault conditions
- read, interpret and follow information on work specifications, standard operating procedures and work instructions, and other reference material
- maintain accurate records
- communicate in the workplace
- sequence operations
- meet specifications
- clarify and check task-related information
- carry out work according to OHS practices

Evidence Guide

The Evidence Guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for the Training Package.

Critical aspects of evidence	Demonstrates skills and knowledge to: • check machine settings to meet production requirements • operate and monitor moulding machine involving defined procedures and methods • make minor adjustments • check product samples against standards • load and unload products • complete records accurately and completely • apply OHS practices in work operations
Consistency in performance	Consistently applies skills and knowledge when: • organising work • completing tasks according to instructions • working systematically with attention to detail • identifying improvements and avoiding damage • using workplace practices • using OHS practices • recording and reporting accidents and incidents • assessing operational readiness of equipment • recognising and adapting to cultural differences in the workplace, including modes of behaviour and interactions
Resource implications	Access is required to real or appropriately simulated situations, including work areas, materials and equipment, and to information on workplace practices and OHS practices.
Context for assessment	Assessment may occur on the job or in an appropriately simulated environment.
Interdependent assessment	This unit may be assessed independently or in combination with other relevant units.

Range Statement

RANGE STATEMENT

The Range Statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the Performance Criteria, is detailed below. Add any essential operating conditions that may be present with training and assessment depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts.

Legislative/regulatory requirements	All work must comply with relevant Federal and State or Territory legislative or regulatory requirements.
Mould material may include:	• PVC • rubber • polyurethane • dual density polyurethane • thermoplastic polyurethane
Moulding tools and equipment may include:	• Allen keys • soft-faced mallet • spanners • gloves • punch • apron • tape • shaping block
Checks may include	• 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
OHS practices	OHS practices include hazard identification and control, risk assessment and implementation of risk reduction measures specific to the tasks described by this unit, and may relate to: • manual handling techniques • standard operating procedures • personal protective equipment • safe materials handling • taking of rest breaks • ergonomic arrangement of workplaces • following marked walkways • safe storage of equipment • housekeeping • reporting accidents and incidents

- environmental practices

Unit Sector(s)

Sector Footwear Production