

Title	Carry out routine service of injection moulding equipment		
Level	3	Credits	5

Purpose	People credited with this unit standard are able to: demonstrate knowledge of the construction and operation of injection moulds; remove a jammed moulding and continue production; and perform routine injection mould servicing.
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Classification	Plastics Processing Technology > Injection Moulding
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Available grade	Achieved
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Entry information	
Recommended skills and knowledge	Unit 29514, <i>Operate pre-set plastics processing machinery.</i>

Explanatory notes

- 1 Legislation relevant to this unit standard includes but is not limited to the Health and Safety at Work Act 2015.
- 2 Definitions
Workplace procedures – procedures used by the organisation carrying out the work and applicable to the tasks being carried out. Examples are – standard operating procedures, site safety procedures, equipment operating procedures, codes of practice, quality management practices and standards, procedures to comply with legislative and local body requirements.
- 3 All evidence requirements must be performed in accordance with workplace procedures.

Outcomes and evidence requirements

Outcome 1

Demonstrate knowledge of the construction and operation of injection moulds.

Evidence requirements

- 1.1 Injection mould construction is described.

1.2 Injection mould functions and operations are described.

Range examples of functions and operations are – injection, cooling, opening, ejection, closing, electrical sensing and/or interlocking; evidence is required for at least five.

Outcome 2

Remove a jammed moulding and continue production.

Evidence requirements

2.1 Jammed moulding is removed, the mould is cleaned and inspected, and findings are reported.

2.2 Production continues and is monitored to non-reoccurrence of jamming.

Outcome 3

Perform routine injection mould servicing.

Range evidence is required for two servicing events – either one injection moulding machine screw and one mould; or two moulds with different configurations.

Evidence requirements

3.1 All moulding and mould contact surfaces or screw surfaces are inspected for damage and wear, and results are reported.

3.2 Injection mould lubrication is carried out.

3.3 Closing-up and refitting procedures are performed.

Range closing-up procedures include – inspection, cleaning, protective spraying, cooling medium removal, tag tools, tool storage.

Planned review date	31 December 2021
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	15 September 2016	N/A

Consent and Moderation Requirements (CMR) reference	0013
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMR). The CMR also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact Competenz qualifications@competenz.org.nz if you wish to suggest changes to the content of this unit standard.