

Title	Demonstrate knowledge of plastics processing machinery		
Level	4	Credits	10

Purpose	People credited with this unit standard are able to explain the operation, capability; set-up, shut-down; and servicing requirements for plastics processing machinery
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Classification	Plastics Processing Technology > Plastics Processing - General
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Available grade	Achieved
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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
Machinery – a production line processing plant and ancillary machinery used for processing plastics to make products. Examples are – machinery associated with the following specialist processes – injection moulding, extrusion, extrusion blow moulding, film conversion, film slitting, injection stretch-blow moulding, rotational moulding, thermoforming.

Outcomes and evidence requirements

Outcome 1

Explain the operation and capability of plastics processing machinery.

Evidence requirements

- 1.1 The purpose and function of all key machine components, power sources and ancillary machinery are explained.
- 1.2 Operational capability potential is explained for accommodating differing product outputs.
- 1.3 The function and operation of the machine input and output control system is explained for machine operation and diagnostics.

- 1.4 Routine operational lubrication, maintenance and adjustment requirements are explained.

Outcome 2

Explain the set-up and shut-down requirements for plastics processing machinery.

Evidence requirements

- 2.1 Machinery set-up requirements are explained in accordance with the machine capability, and product and material production specifications.
- 2.2 Start-up requirements and process is explained following service shut-downs, and short and long-term shut-downs.
- 2.3 Shut-down requirements and process is explained for service shut-downs, and short and long-term shut-downs.
- 2.4 Emergency shut-down process is explained in accordance with workplace procedures.

Outcome 3

Explain the servicing requirements for plastics processing machinery.

Evidence requirements

- 3.1 Preventative maintenance requirements are explained in accordance with machinery specifications or requirements.
- 3.2 Routine maintenance requirements are explained in accordance with machinery specifications or requirements.
- 3.3 Non-routine maintenance requirements are explained in accordance with machinery specifications or requirements.

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.