

Title	Carry out routine service of extrusion equipment		
Level	3	Credits	5

Purpose	People credited with this unit standard are able to: remove, fit, set and change plastics extrusion dies and equipment; and remove and refit an extruder screw.
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Classification	Plastics Processing Technology > Extrusion
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Available grade	Achieved
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Entry information	
Recommended skills and knowledge	Unit 29520, <i>Demonstrate knowledge of, and operate and control the plastics extrusion process</i> , or Unit 296, <i>Operate an extrusion blow moulding machine</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 Definition
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.
- 4 This unit standard may be used for extrusion or extrusion blow moulding contexts.

Outcomes and evidence requirements

Outcome 1

Remove, fit, set and change plastics extrusion dies and equipment.

Range two sets of dies and associated calibration or sizing equipment, each set to produce product of different configuration and set-up criteria.

Evidence requirements

- 1.1 Die and calibration or sizing equipment are selected and assembled.
- 1.2 The extruder is prepared for a die and calibration or sizing equipment change.
- 1.3 Dies and calibration or sizing equipment are prepared for removal and fitting.
- 1.4 Die and calibration or sizing equipment changes are performed.
- 1.5 Extrusion equipment is set in accordance with job specification.

Outcome 2

Remove and refit an extruder screw.

Evidence requirements

- 2.1 Screw is removed using machine manufacturer's specifications.
- 2.2 Screw and barrel are cleaned and inspected for wear and damage.
- 2.3 Screw is identified and fitted using machine manufacturer's specifications.

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Status information and last date for assessment for superseded versions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.