

Title	Prepare and set up polymer extrusion process for a new product trial		
Level	3	Credits	5

Purpose	People credited with this unit standard are able to: prepare to trial a polymer extrusion process; and set up equipment for extrusion process trial.
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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>

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.
Trial – the testing and evaluation of either a new die, or a die for which there is neither prior knowledge nor production set-up information available.
- 3 For the purpose of assessment, the trial must be carried out on at least two different dies.
- 4 All evidence requirements must be performed in accordance with workplace procedures.

Outcomes and evidence requirements

Outcome 1

Prepare to trial a polymer extrusion process for a new product.

Evidence requirements

- 1.1 Information relevant to the trial and available at the workplace is gathered and interpreted.
- Range trial objectives, product specification, material specification, production specification.
- 1.2 Machine suitability is confirmed in accordance with production requirements.
- Range machine suitability – ancillary equipment, machine capability.
- 1.3 Extrusion line equipment is verified and checked as suitable to meet product, material and production specifications.
- Range extruder; diehead assembly; downstream and ancillary equipment.
- 1.4 Raw material readiness is confirmed.

Outcome 2

Set up equipment for extrusion process trial.

Evidence requirements

- 2.1 Extrusion line equipment is set up and prepared for production of new product.
- Range extruder, diehead assembly, downstream and ancillary equipment.

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.