

Title	Coordinate and lead a team to service a co-extrusion die for blown film extrusion		
Level	4	Credits	9

Purpose	People credited with this unit standard are able to demonstrate knowledge of the design of co-extrusion film dies, and coordinate and lead a team to service a co-extrusion die for blown film extrusion
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Classification	Plastics Processing Technology > Blown Film Extrusion
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Available grade	Achieved
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Entry information	
Recommended skills and knowledge	Unit 291, <i>Operate a blown film extrusion machine for co-extrusion production</i> ; Unit 293, <i>Service mono-layer dies and extruder screws for blown film extrusion</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
Lead – includes directing production and maintenance staff as well as participating in the task being assessed.
Team – includes both production and maintenance staff where required.
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 For assessment, the die interpreted in evidence requirement 1.1 should be the die serviced in Outcome 2.
- 4 All evidence requirements must be performed in accordance with workplace procedures.

Outcomes and evidence requirements

Outcome 1

Demonstrate knowledge of the design of co-extrusion film dies.

Range at least one co-extrusion die from – 3-layer dies, 5-layer dies, 7-layer dies, 9-layer dies.

Evidence requirements

- 1.1 Die construction is interpreted in accordance with information on engineering drawings.
- 1.2 Co-extrusion die types are identified, and the advantages and disadvantages of the design are described.

Range die types – bottom fed spiral mandrel die, plate die.

Outcome 2

Coordinate and lead a team to service a co-extrusion die for blown film extrusion.

Evidence requirements

- 2.1 Plan die strip and clean.
 - Range tools, people, place.
- 2.2 Coordinate and lead a team to strip and clean the die.
- 2.3 Polymer contact surfaces are identified and inspected for damage, and corrective actions are initiated.
- 2.4 Seals and sealing surfaces are inspected, damaged seals are replaced, and replacement seals are ordered.
- 2.5 Coordinate and lead a team to reassemble the die and return die to production.
- 2.6 Carry out a test run on the die to confirm production functionality.

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	28 April 1993	31 December 2014
Revision	2	13 February 1997	31 December 2014
Review	3	23 January 1998	31 December 2014
Review	4	27 October 2005	31 December 2014
Review	5	17 May 2012	31 December 2019
Review	6	15 September 2016	N/A

Consent and Moderation Requirements (CMR) reference

0013

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.