

Title	Service an advanced or complex mould for extrusion blow moulding		
Level	2	Credits	8

Purpose	People credited with this unit standard are able to: identify the components of an advanced or complex extrusion blow mould; and perform servicing of an advanced or complex extrusion blow mould, blow pin, and extrusion pin and die.
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Classification	Plastics Processing Technology > Extrusion Blow Moulding
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Available grade	Achieved
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Entry information	
Recommended skills and knowledge	Unit 299, <i>Service a simple mould for extrusion blow moulding</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

Advanced extrusion blow moulds may have the following features – offset neck, needle blow, single or multiple cavity, handled container, insertable inserts.

Complex extrusion blow moulds may have the following features – internal thread, unscrewing blow pins, single or multi-cavity, moving parts and components, guide shafts, wear plates, fall and rise plates, needle blow or spear unit.

Service includes inspection, cleaning, mould protection, and lubrication. Other servicing requirements will depend on the organisation and may also include:

 - refurbishing or replacing blow pin cut off sleeve
 - polishing the extrusion pin and die
 - requesting technical specialist assistance
 - checking threads for damage if mould has back bolt holes.

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

Identify the components of an advanced or complex extrusion blow mould.

Evidence requirements

- 1.1 Advanced or complex extrusion blow mould components are identified and their purpose described.

Outcome 2

Perform servicing of an advanced or complex extrusion blow mould, blow pin, and extrusion pin and die.

Evidence requirements

- 2.1 Extrusion blow mould is opened and all moulding and mould contact surfaces, cavity surface finish, mould and blow pin cut-off, striker plate, and guide pins and bushes are inspected for damage and wear, and results are recorded and reported.
- 2.2 Extrusion blow mould servicing is carried out.
- 2.3 Extrusion blow mould return to store procedures are performed.
- Range return to store procedures include – cleaning, protective spraying, lubricating guide pins and bushes, cooling water removal.

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	24 August 2006	31 December 2014
Review	5	21 March 2013	31 December 2019
Review	6	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 (CMRs). 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.