

Title	Set up and control operations for simple products for film conversion		
Level	2	Credits	12

Purpose	People credited with this unit standard are able to: demonstrate knowledge of the operation of a film conversion machine; set up and control a film conversion machine for a simple product; demonstrate knowledge of film sealing; and remove and fit a seal head or bar.
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Classification	Plastics Processing Technology > Film Conversion
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Available grade	Achieved
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Entry information	
Recommended skills and knowledge	Unit 29514, <i>Operate plastics processing machinery.</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.

Outcomes and evidence requirements

Outcome 1

Demonstrate knowledge of the operation of a film conversion machine.

Evidence requirements

1.1 Film conversion machine components are identified and their purpose is described.

Range components examples are – unwind stand, centre folder, dancer capstan rollers, machine bed, photo cell (eye), static removal system, draw rollers, sealing head, guillotine, flying knife, pick off conveyor, stacking table, control system, machine drive; evidence is required for at least eight components.

1.2 Film conversion machine auxiliary equipment is identified and the purpose of each piece is described.

Range two pieces of auxiliary equipment.

1.3 Machine services are identified and their purpose and operation are described.

Range machine services – power, water, compressed air, isolating switch.

Outcome 2

Set up and control a film conversion machine for a simple product.

Range simple products examples are – product made from layflat film, product requiring no registration, seal product.

Evidence requirements

2.1 Machine set-up information is interpreted, and the film conversion machine is set up.

2.2 Controls are monitored and adjusted to optimise production and quality.

2.3 Routine film conversion product faults are identified and corrected.

Range routine film conversion product faults – seal contamination, seal appearance, seal position, seal strength, product dimensions, blocking, stacking.

2.4 Common machine malfunctions are identified and reported.

Range common machine malfunction examples are – draw length variations; seal bar temperature variations; seal bar pressure variations; guillotine or cutter faults; evidence is required for identification of one malfunction and knowledge of two other malfunctions.

Outcome 3

Demonstrate knowledge of film sealing.

Evidence requirements

3.1 The principles of constant heat and impulse wire sealing systems are described.

3.2 Seal variables are described in terms of their interrelationships and implications for seal strength.

Range seal variables must include – pressure, temperature, time;
seal variables may include – film inertia, film acceleration, film drag, gauge, material.

Outcome 4

Remove and fit a seal head or bar.

Evidence requirements

4.1 The film conversion machine is prepared for a seal head or bar change.

4.2 Seal heads or bar for removal and fitting are inspected and prepared.

4.3 Tools and fittings for seal head or bar removal and fitting are identified and assembled.

4.4 Seal head or bar change is carried out.

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	15 September 2011	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 (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.