

<b>Title</b>	<b>Control the production process for pressure thermoforming</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>8</b>

<b>Purpose</b>	People credited with this unit standard are able to control the pressureforming process for a repeat production run and start up the pressureforming process for a repeat production run.
----------------	---

<b>Classification</b>	Plastics Processing Technology > Thermoforming
-----------------------	--

<b>Available grade</b>	Achieved
------------------------	----------

<b>Entry information</b>	
<b>Recommended skills and knowledge</b>	Unit 267, <i>Set up tooling for thermoforming</i> ; Unit 269, <i>Service tooling for thermoforming</i> ; and Unit 23131, <i>Compare melt flow and dimensional stability of plastics materials</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.
- 3 All evidence requirements must be performed in accordance with workplace procedures.

### Outcomes and evidence requirements

#### Outcome 1

Control the pressureforming process for a repeat production run.

#### Evidence requirements

- 1.1 Controls are monitored and adjusted to optimise production and quality.

1.2 Common machine malfunctions are explained.

Range examples of common machine malfunctions are – heater failure, heating faults, timing errors, machine speed variation, drive belt slippage, drive motor failure, interlock failure, air pressure loss, air leaks, worn bushes and guides, unlubricated components, pump failure;  
evidence of two malfunctions is required.

1.3 Common machine malfunctions are identified, corrected and reported.

Range examples of common machine malfunctions are – heater failure, heating faults, timing errors, machine speed variation, drive belt slippage, drive motor failure, interlock failure, air pressure loss, air leaks, worn bushes and guides, unlubricated components, pump failure;  
evidence is required for one malfunction.

**Outcome 2**

Start up the pressureforming process for a repeat production run.

**Evidence requirements**

- 2.1 The machine and tooling are put into production and are monitored to maintain job specification.
- 2.2 Running adjustments are made and recorded.

<b>Planned review date</b>	31 December 2021
----------------------------	------------------

**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	28 April 1993	31 December 2012
Revision	2	13 February 1997	31 December 2012
Review	3	23 January 1998	31 December 2012
Review	4	27 October 2005	31 December 2012
Review	5	18 August 2011	31 December 2019
Review	6	15 September 2016	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	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](mailto:qualifications@competenz.org.nz) if you wish to suggest changes to the content of this unit standard.