

National Certificate in Glass Container Manufacturing (Level 2) with strands in Batch and Furnace, Forming, Job Change, Quality Control, and Mould Repair

Level 2

Credits 40

This qualification has been **reviewed**. The last date to meet the requirements is 31 December 2016.

Transition Arrangements

This qualification has been reviewed and designated expiring. It will not be replaced.

The last date for enrolment into programmes leading to this qualification is 31 December 2015.

For detailed information see [Review Summaries](#) on the NZQA website.

NZQF National Qualification Registration Information

Process	Version	Date	Last Date for Assessment
Registration	1	March 2008	December 2011
Review	2	February 2010	December 2016
Revision	3	August 2013	December 2016
Review	4	January 2015	December 2016

Standard Setting Body

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Purpose

The National Certificate in Glass Container Manufacturing (Level 2) with strands in Batch and Furnace, Forming, Job Change, Quality Control, and Mould Repair [Ref: 1359] is a qualification intended to meet the requirements of many key aspects of glass container manufacturing. The strands within the qualification are designed to recognise the skills and knowledge necessary to perform specialised production roles in the industry. The Core Elective section offers significant flexibility to meet the specific individual's and/or enterprise requirements. This qualification follows on from the National Certificate in Glass Container Manufacturing (Level 1) [Ref: 1358].

Holders of this certificate are able to work under supervision as advanced operators in their particular area of specialisation.

Certificate holders are encouraged to undertake further training towards the National Certificate in Glass Container Manufacturing (Level 3) with strands in Batch and Furnace, Forming, Mould Repair, and Quality Control [Ref: 1360]. Alternatively, career paths towards more technical roles such as processing specialists are available through the National Certificates in Engineering and Technology (Glass Container Mould Maintenance) at Levels 2, and 3 [Refs: 1378, 1379]. People interested in acquiring supervisory skills and knowledge may be interested in undertaking the National Certificate in Business (First Line Management) (Level 3) [Ref: 0743] and the National Certificate in Business (First Line Management) (Level 4) [Ref: 0649].

Replacement Information

This qualification replaced the Glass Containers strand of the National Certificate in Materials Processing (Level 2) [Ref: 1073].

Credit Range

	Core Elective	Batch and Furnace Strand
Level 2 or above credits	18-32	17
Minimum totals	18-32	17

	Forming Strand	Job Change Strand
Level 2 or above credits	20	8
Minimum totals	20	8

	Quality Control Strand	Mould Repair Strand
Level 2 or above credits	18	20
Minimum totals	18	20

Requirements for Award of Qualification

Award of NZQF National Qualifications

Credit gained for a standard may be used only once to meet the requirements of this qualification.

Unit standards and achievement standards that are equivalent in outcome are mutually exclusive for the purpose of award. The table of mutually exclusive standards is provided on the New Zealand Qualifications Authority (NZQA) website: <http://www.nzqa.govt.nz/qualifications-standards/standards/standards-exclusion-list/>.

Reviewed standards that continue to recognise the same overall outcome are registered as new versions and retain their identification number (ID). Any version of a standard with the same ID may be used to meet qualification requirements that list the ID and/or that specify the past or current classification of the standard.

Summary of Requirements

- A minimum of 40 credits at Level 2 or above
- Core Elective – Balance

One of the following strands is required

- Batch and Furnace Strand
- Forming Strand
- Job Change Strand
- Quality Control Strand
- Mould Repair Strand

Detailed Requirements

Core Elective

The balance of credits to achieve

A minimum of 40 credits at Level 2 or above

May come from the following

Field	Subfield	Domain
Computing and Information Technology	Computing	Generic Computing

Field	Subfield	Domain
Core Generic	Core Generic	Any
Engineering and Technology	Mechanical Engineering	Any
Health	Occupational Health and Safety	Occupational Health and Safety Practice
Humanities	Communication Skills	Any
	English	Any
	Languages	English for Speakers of Other Languages
Manufacturing	Glass and Glazing	Glass Container Manufacturing
	Manufacturing Skills	Competitive Manufacturing Manufacturing Processes
	Plastics Processing Technology	Any
Service Sector	Lifting Equipment	Powered Industrial Lift Trucks

Batch and Furnace Strand

The following standards are required

Manufacturing > Glass and Glazing > Glass Container Manufacturing

ID	Title	Level	Credit
18769	Maintain supply of raw materials for glass furnace operations	2	8
18770	Perform analytical tests for batch and glass quality in accordance with enterprise procedure	2	3
23067	Describe the principles, operation and control of a glass furnace	2	6

Forming Strand

The following standards are required

Health > Occupational Health and Safety > Occupational Health and Safety Practice

ID	Title	Level	Credit
17585	Demonstrate knowledge of working safely in extremes of temperature	3	4

Manufacturing > Glass and Glazing > Glass Container Manufacturing

ID	Title	Level	Credit
18919	Perform job changes on an independent section machine for glass container forming	2	4
23064	Operate off-line glass container forming equipment	2	4
23065	Operate glass container forming equipment	3	8

Job Change Strand

The following standards are required

Manufacturing > Glass and Glazing > Glass Container Manufacturing

ID	Title	Level	Credit
18919	Perform job changes on an independent section machine for glass container forming	2	4
23064	Operate off-line glass container forming equipment	2	4

Quality Control Strand

The following standards are required

Manufacturing > Glass and Glazing > Glass Container Manufacturing

ID	Title	Level	Credit
18772	Operate glass container inspection and packaging equipment	2	8
18922	Perform quality control on a glass container production line	3	10

Mould Repair Strand

The following standards are required

Manufacturing > Glass and Glazing > Glass Container Manufacturing

ID	Title	Level	Credit
23064	Operate off-line glass container forming equipment	2	4
23072	Prepare, service, and repair mould equipment for glass container production	2	16

Transition Arrangements**Version 3**

Version 3 was issued following revision.

Changes to structure and content

- Standard 23064 has been removed from the Quality Control strand as it has been a barrier to qualification achievement. This standard has not been replaced.

All existing candidates undertaking the Quality Control strand will be transferred to version 3 of the qualification in order to complete the qualification requirements. All other candidates may complete the version they have enrolled in, or transfer their achievement to the current version.

For detailed information see Review Summaries on the NZQA website.

This qualification contains standards that replace earlier standards. For the purposes of this qualification, people who have gained credit for the expiring standards are exempt from the requirement to gain credit for the replacement standards – see table below.

Credit for	Exempt from
18771	23064, 23065
18923	23067, 23068

This qualification contains classifications that replace earlier classifications. People who have gained credit for standards in the lapsed classifications may continue to use those credits to meet the qualification requirements.

Standards from	Are treated as Standards from
Computing and Information Technology > Information Technology > Information Technology	Computing and Information Technology > Computing > Generic Computing

Previous versions of the qualification

Version 2 was issued following review.

Changes to structure and content: the lists of standards in the core compulsory and elective sections have been replaced by a list of subfields and domains. All standards previously listed are included within those classifications; standard 23072 has been removed from the Job Change strand and included in the new Mould Repair strand along with standard 23064; the qualification title has been updated to include the new strand; the credit requirement for the qualification has decreased from 50 credits to 40 credits; the purpose statement has been updated as the qualification is no longer a prerequisite for Ref: 1360, and the requirement for the prior award of Ref: 1358 has been removed; standard 23068 has been added to the credit exemption for standard 18923.

All existing candidates may complete version 1 or transfer their existing achievements to version 2.

Version 1 of this qualification replaced the Glass Containers strand of the National Certificate in Materials Processing (Level 2) [Ref: 1073]. There were significant changes between the content and structure of the two qualifications. The transition arrangements expired in December 2009.

Additionally, the General strand and all the plastics strands of the National Certificates in Materials Processing at Levels 1, 2, and 3 [Refs: 1072, 1073, 1074] have been replaced by the National Certificates in Plastics Processing Technology (Production) at Levels 1, 2, and 3 with strands [Refs: 1361, 1362, 1363], and the Paint Manufacturing strand of the National Certificates in Materials Processing at Levels 1, 2 and 3 [Refs: 1072, 1073, 1074] has been replaced by the National Certificate in Paint Manufacturing at Levels 2 and 3 [Refs: 1364, 1365]. Appropriate transition arrangements are detailed in each of these qualifications.

This qualification contains standards that replace earlier standards. For the purposes of this qualification, people who have gained credit for the expiring standards are exempt from the requirement to gain credit for the replacement standards – see table below.

Credit for	Exempt from
201, 202	2780
205	2781
501	10781
1300	9677
1301	10791
2978	2989
3502	11097
18771	23064, 23065
18923	23067

Other standard setting bodies whose standards are included in the qualification

New Zealand Industry Training Organisation
NZQA

Certification

The certificate will display the logos of NZQA, Competenz Incorporated and the organisation that has been granted consent to assess against standards that meet the requirements of the qualification (accredited).

Classification

This qualification is classified according to the classification system listed on the Directory of Assessment Standards (DAS) and the New Zealand Standard Classification of Education (NZSCED) system as specified below.

DAS Classification		NZSCED	
Code	Description	Code	Description
1798	Manufacturing > Glass and Glazing > Glass Container Manufacturing	030199	Engineering and Related Technologies > Manufacturing, Engineering and Technology > Manufacturing Engineering and Technology not elsewhere classified

Quality Management Systems

Providers and Industry Training Organisations must be granted consent to assess by a recognised Quality Assurance Body before they can register credits from assessment against standards. Organisation with consent to assess and Industry Training Organisations assessing against standards must engage with the moderation system that applies to those standards. Consent to assess requirements and the moderation system are outlined in the associated Consent and Moderation Requirements (CMR) for each standard.

REVIEWING