

Title	Operate an automated system in a dairy processing operation		
Level	4	Credits	5

Purpose	People credited with this unit standard are able to: describe the operation of an automated system, prepare to use an automated system; operate an automated system in a dairy processing operation.
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Classification	Dairy Processing > Milk Processing
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Available grade	Achieved
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Guidance Information

- 1 Legislation and regulations relevant to this unit standard include but are not limited to:
 - Health and Safety at Work Act 2015;
 - Animal Products Act 1999;
 - Animal Products (Dairy) Regulations 2005;
 - Food Act 2014;
 and any subsequent amendments.
- 2 All evidence presented in this unit standard must be in accordance with:
 - organisational requirements.
- 3 Definitions

Automation system – refers to an electronic device which allows the addition of input and output functions, and the development of control/process functions.

Organisational requirements – refers to instructions to staff on policies and procedures which are documented in memo, electronic or manual format and are available in the workplace. These requirements include but are not limited to – site specific requirements, company quality management requirements.

Outcomes and performance criteria

Outcome 1

Describe the operation of an automated system in a dairy processing operation.

Performance criteria

- 1.1 Describe components of an automated system in terms of operating functions.

- 1.2 Describe the advantages and disadvantages of using an automated system in terms of co-ordinating a dairy processing operation.
- Range evidence of two advantages and two disadvantages is required.
- 1.3 Describe the operation of an automated system in terms of inputting and sourcing information.
- 1.4 Describe potential failure modes associated with running an automated system.
- Range failure modes may include but are not limited to – coding failure, power failure, communication failure, mechanical failure, electrical failure;
evidence of three failure modes is required.
- 1.5 Describe a process control interface in terms of an operator maintaining control and awareness of potential issues.

Outcome 2

Prepare to use an automated system in a dairy processing operation.

Performance criteria

- 2.1 Identify production requirements in relation to the automated system operation.
- 2.2 Confirm that information required to operate an automated system has been gathered.
- 2.3 Check automated system in terms of status, condition, and readiness for use.

Outcome 3

Operate an automated system in a dairy processing operation.

Performance criteria

- 3.1 Start up an automated system.
- 3.2 Monitor an automated system product flow to confirm that production requirements are being met.
- Range monitoring may include but is not limited to – control points, operating parameters, manual adjust operating of parameters, equipment checks, taking samples, handling samples, dispatch of samples, conducting tests;
evidence of three monitoring examples is required.
- 3.3 Identify, rectify and/or report any out-of-specification product, process, and equipment performance.
- 3.4 Collect, treat, or dispose of waste for recycling.

3.5 Record workplace information involved in operating an automated system.

3.6 Shut down an automated system.

Planned review date	31 December 2025
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 May 2021	N/A

Consent and Moderation Requirements (CMR) reference	0022
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact the Primary Industry Training Organisation standards@primaryito.ac.nz if you wish to suggest changes to the content of this unit standard.