

Title	Perform non-ferrous metal extrusion processes		
Level	2	Credits	5

Purpose	People credited with this unit standard are able to perform non-ferrous metal extrusion processes.
----------------	--

Classification	Manufacturing Skills > Manufacturing Processes
-----------------------	--

Available grade	Achieved
------------------------	----------

Guidance Information

- 1 Legislation relevant to this unit standard includes but is not limited to the:
 - Health and Safety at Work Act 2015.
 - Resource Management Act 1991 and subsequent amendments.
 - Hazardous Substances and New Organisms Act 1996 and subsequent amendments.
- 2 Definitions
 - Accepted industry practice* – safe and sound trade practices generally accepted by competent persons within the manufacturing industry.
 - Job requirements* refer to specific requirements for the job at hand. These requirements may or may not be covered in the job documentation and may include special instructions, quality requirements expected by the customer, and/or production standards as set down by the workplace.
 - Workplace procedures* refer to 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, and procedures to comply with legislative and local body requirements.
- 3 Assessment information
 - a All activities and evidence must be in accordance with workplace procedures and job requirements.
 - b This unit standard will be assessed on the basis of evidence of demonstrated and repeatable performance in the workplace.
- 4 This unit standard is designed to be assessed against under supervision. Unit 4806, *Operate a press for non-ferrous metal extrusions*, covers candidates who have full responsibility for the process.

Outcomes and performance criteria

Outcome 1

Perform non-ferrous metal extrusion processes.

Performance criteria

- 1.1 Machine and equipment safety devices are used.
- 1.2 Personal protective equipment is used.
- 1.3 Product specifications and drawings are interpreted to establish production requirements.
- 1.4 Where reclaimed materials are used in the process, they are inspected for technical and quality conformance.
- 1.5 Raw material or semi-finished product are identified and loaded according to production schedule, with no damage to plant, personnel, or product.
- 1.6 Extrusion machinery and related equipment is operated to meet production specifications.
- Range machinery and related equipment may include but are not limited to – heat treatment, saws, stretchers, straightening equipment, die servicing equipment.
- 1.7 Product is inspected and sorted.
- Range conforming, non-conforming.
- 1.8 Conforming product is processed.
- Range may include but is not limited to – handling, storing, forwarding to next process.
- 1.9 Non-conforming product is processed.
- Range may include but is not limited to – placed on hold, re-worked, disposed of.
- 1.10 Recording or reporting is carried out, and production terminology is used in accordance with accepted industry practice.
- Range may include but is not limited to – hard copy, electronic, verbal.

Planned review date	31 December 2025
----------------------------	------------------

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 June 1995	31 December 2012
Revision	2	14 April 1997	31 December 2012
Revision	3	5 January 1999	31 December 2012
Review	4	26 July 2005	31 December 2014
Review	5	18 March 2011	31 December 2023
Review	6	26 August 2021	N/A

Consent and Moderation Requirements (CMR) reference

0013

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

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.