

<b>Title</b>	<b>Roller rectify metal extrusions</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>7</b>

<b>Purpose</b>	People credited with this unit standard are able to: respond to hazards and emergencies for roller rectifying metal extrusions; prepare for metal extrusion rectification; and set and operate roller rectifier.
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<b>Classification</b>	Manufacturing Skills > Manufacturing Processes
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Legislation relevant to this unit standard includes:  
Health and Safety at Work Act 2015.
- 2 Definitions  
*Job requirements* refer to the worksite procedures for accurately identifying the componentry, materials, equipment and machine procedure for a specific product.  
*Workplace procedures* refer to the procedures used by the organisation carrying out the work and applicable to the tasks being carried out. Examples are – standard operating procedures, safety procedures, equipment operating procedures, codes of practice, quality management practices and standards, and procedures to comply with legislative and local body requirements.
- 3 Range  
Competence must be demonstrated on three occasions of roller rectifying metal extrusions. Rectification must consist of a minimum of correcting both a flatness error and a dimensional error in a single extrusion.
- 4 Assessment information  
All activities and evidence must be in accordance with workplace procedures, and job requirements.

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### Outcomes and performance criteria

#### Outcome 1

Respond to hazards and emergencies for roller rectifying metal extrusions.

#### Performance criteria

- 1.1 Hazards resulting from handling raw material or chemicals are identified, and precautions are taken.

- 1.2 Machine and ancillary equipment hazards are identified and precautions are taken.
- 1.3 Product hazards are identified and precautions are taken.
- 1.4 Emergency procedures associated with the machine or process are demonstrated.

Range may include but is not limited to – emergency stops, spills, power cut, leaks.

## **Outcome 2**

Prepare for metal extrusion rectification.

### **Performance criteria**

- 2.1 Product specifications and drawings are interpreted to establish production requirements.
- 2.2 Extrusion faults are identified.
- 2.3 Personnel affected by the machine resetting or isolation are advised.  
  
Range may include but is not limited to – immediate location, neighbouring machines.
- 2.4 Machine is isolated as required and prepared for setting.

## **Outcome 3**

Set and operate roller rectifier.

### **Performance criteria**

- 3.1 Machine and equipment safety devices are used in accordance with job requirements.
- 3.2 Personal protective equipment is used.
- 3.3 Rollers and spacers for installation are identified and verified against job requirements.
- 3.4 Rollers and spacers are installed.
- 3.5 Roller rectifier is test run.
- 3.6 Roller, spacer, and height adjustments are made until product conforms with specification.
- 3.7 Roller rectifier is operated to produce product within specification.

3.8 Product is sorted.

Range conforming, non-conforming.

3.9 Conforming product is handled or stored.

3.10 Non-conforming product is processed.

Range may include but is not limited to – placed on hold, re-worked, disposed of.

3.11 Recording or reporting is carried out.

Range may include but is not limited to – hard copy, electronic, verbal.

<b>Planned review date</b>	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 June 1995	31 December 2013
Revision	2	14 April 1997	31 December 2013
Revision	3	5 January 1999	31 December 2013
Review	4	26 July 2005	31 December 2013
Review	5	18 March 2011	31 December 2013
Reinstatement	6	20 November 2014	31 December 2023
Review	7	26 August 2021	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0013
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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 Competenz [qualifications@competenz.org.nz](mailto:qualifications@competenz.org.nz) if you wish to suggest changes to the content of this unit standard.