

Title	Demonstrate knowledge of manually operated machines and tools for automotive machining		
Level	4	Credits	6

Purpose	People credited with this unit standard are able to demonstrate knowledge of manually operated machines and tools for automotive machining.
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Classification	Motor Industry > Engines
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Available grade	Achieved
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Guidance Information

- 1 Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable service information, and company requirements and legislative requirements. This includes the knowledge and use of suitable tools and equipment.
- 2 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the current version of the Health and Safety at Work Act 2015; and any subsequent amendments and replacements.
- 3 Definitions
Company requirements refer to instructions to staff on policy and procedures that are available in the workplace. These requirements may include – company policies and procedures, work instructions, product quality specifications and legislative requirements.
Service information may include – technical information for a vehicle, machine, or product detailing operation; installation and servicing procedures; manufacturer instructions; technical terms and descriptions; and detailed illustrations.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of manually operated machines and tools for automotive machining.

Range machines and tools include – lathe, mill.

Performance criteria

- 1.1 The functions of manually operated machines and tools are described.

1.2 The operation of manually operated machines and tools are described.

Range set-up, use.

1.3 Fits and tolerances are described.

1.4 Maintenance of manually operated machines and tools is described.

Range cleaning, coolant checking and replacement, lubrication, slideway adjustment, check and adjust for squareness or taper turning, spindle bearing adjustment or replacement.

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Status information and last date for assessment for superseded versions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	25 February 2021	N/A

Consent and Moderation Requirements (CMR) reference	0014
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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 MITO New Zealand Incorporated info@mito.org.nz if you wish to suggest changes to the content of this unit standard.