



Australian Government

**Assessment Requirements for MEM07030
Perform basic metal spinning lathe
operations**

Release: 1

Assessment Requirements for MEM07030 Perform basic metal spinning lathe operations

Modification History

Release 1. Supersedes and is equivalent to MEM07030C Perform metal spinning lathe operations (basic)

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria on at least two (2) occasions and include:

- following work instructions, standard operating procedures (SOPs) and safe work practices
- identifying and interpreting specifications and other applicable reference documents for spinning lathe operations
- calculating disc size and spinning speeds
- selecting chucks and mounting disc for forming
- performing spinning operation using appropriate accessories to produce finished work that meets specifications
- removing finished work and storing to minimise damage
- performing operational maintenance on the lathe and related equipment and making any required adjustments to lubrication levels.

Knowledge Evidence

Evidence required to demonstrate the required knowledge for this unit must be relevant to and satisfy the requirements of the elements and performance criteria and include knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- correct sequence of spinning operation
- types of spinning tools, their functions and requirements for maintaining tools
- types of damage and defects (e.g. tool marks, cracking, stress marks, thinning and incorrect finish)
- spinning lathe operation
- why and how lathe speed is calculated
- reasons for types of form chuck mounting
- function and operation of accessories for basic spinning and methods used for each process
- correct methods for stacking and protecting finished product.

Assessment Conditions

- Assessors must:
 - have vocational competency in performing basic metal spinning lathe operations at least to the level being assessed with relevant industry knowledge and experience
 - satisfy the assessor requirements in the *Standards for Registered Training Organisations 2015* or its replacement and comply with the *National Vocational Education and Training Regulator Act 2011*, its replacement or equivalent legislation covering VET regulation in a non-referring state/territory as the case requires
- Where possible assessment must occur in operational workplace situations. Where this is not possible or where personal safety or environmental damage are limiting factors, assessment must occur in a sufficiently rigorous simulated environment that reflects realistic operational workplace conditions. This must cover all aspects of workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills
- Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>