



**Australian Government**

# **FBPSUG2028 Perform general milling operations**

**Release: 1**

## FBPSUG2028 Perform general milling operations

### Modification History

| Release   | Comments                                                                                       |
|-----------|------------------------------------------------------------------------------------------------|
| Release 1 | This version released with FBP Food, Beverage and Pharmaceutical Training Package Version 2.0. |

### Application

This unit of competency describes the skills and knowledge required to carry out general milling operations. It excludes the use of dividing heads and CNC mills. Typical operations include slotting and cutting flats.

The unit applies to individuals who work under supervision in the sugar milling industry.

All work must be carried out to comply with workplace procedures according to state/territory health and safety regulations, legislation and standards that apply to the workplace.

No occupational licensing, legislative or certification requirements apply to this unit at the time of publication.

### Pre-requisite Unit

Nil

### Unit Sector

Sugar milling (SUG)

### Elements and Performance Criteria

| Elements                                         | Performance Criteria                                                                                                                                                                                                                                                                                    |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                                                                  |
| 1. Prepare for milling operations                | 1.1 Identify milling requirements according to job specifications<br>1.2 Select, fit and use personal protective equipment according to health and safety procedures<br>1.3 Collect and prepare materials to be drilled<br>1.4 Set up milling equipment for operation according to operating procedures |

| Elements                                               | Performance Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i>       | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                        | 1.5 Conduct pre-operational equipment checks according to operating procedures<br>1.6 Identify and report health and safety hazards and machine damage or faults according to health and safety procedures                                                                                                                                                                                                                                                                                                 |
| 2. Operate milling equipment to achieve specifications | 2.1 Set machining parameters to meet job requirements<br>2.2 Position and clamp materials for milling operation according to operating procedures<br>2.3 Start, operate and shut down milling equipment according to operating procedures<br>2.4 Identify non-conforming components against specification, and correct as required<br>2.5 Undertake basic routine operational maintenance according to operating procedures<br>2.6 Ensure the work area is maintained to meet workplace cleaning standards |

## Foundation Skills

*This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.*

| Skill                      | Description                                                                                                                                                                                                                                           |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reading                    | <ul style="list-style-type: none"> <li>Identify routine machining requirements, including tolerances, dimensions and finishes, from work instructions and technical drawings and sketches</li> <li>Interpret standard operating procedures</li> </ul> |
| Numeracy                   | <ul style="list-style-type: none"> <li>Select mill speeds, feeds and stops</li> <li>Measure and calculate to specified tolerances and dimensions</li> <li>Check for conformance to specification</li> </ul>                                           |
| Navigate the world of work | <ul style="list-style-type: none"> <li>Apply workplace procedures relevant to own role</li> <li>Understand main tasks, responsibilities and boundaries of own role</li> </ul>                                                                         |
| Interact with others       | <ul style="list-style-type: none"> <li>Follow accepted communication practices to communicate and report information about machining operations, operational maintenance and safety</li> </ul>                                                        |

| Skill             | Description                                                                                                                                                                                                  |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Get the work done | <ul style="list-style-type: none"><li>• Recognise and respond to non-conforming components</li><li>• Identify and correct machining problems, including effects of tool wear, and incorrect set-up</li></ul> |

## Unit Mapping Information

| Code and title current version                   | Code and title previous version                  | Comments                                        | Equivalence status |
|--------------------------------------------------|--------------------------------------------------|-------------------------------------------------|--------------------|
| FBPSUG2028<br>Perform general milling operations | FDFSUG228A<br>Perform general milling operations | Updated to meet Standards for Training Packages | Equivalent unit    |

## Links

Companion Volume Implementation Guides are found in VETNet: -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=78b15323-cd38-483e-aad7-1159b570a5c4>