

1. Title	Use all kinds of machining equipment for electrical and mechanical engineering parts processing
2. Code	EMCUIN214A
3. Range	Capable to use general machining equipment independently for electrical and mechanical engineering part in plants according to the dimensions and tolerance required by the part drawing.
4. Level	2
5. Credit	9
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Operating principles and functions of different types of machining equipment</p> <ul style="list-style-type: none"> <li>◆ Understand the operating principles and functions of different types of machining equipment, including lathe, milling machine, drilling machine, slotting machine, grinding machine, etc., in order to perform more complex part manufacturing</li> <li>◆ Understand the limitations of precision of different types of machining equipment</li> <li>◆ Understand the dimension and tolerance requirements of the part drawing</li> </ul> <p>6.2 Electrical and mechanical engineering parts processing</p> <ul style="list-style-type: none"> <li>◆ Capable to perform machining the work piece safely and independently according to the tolerance requirements of the work piece processing drawing, including: <ul style="list-style-type: none"> <li>• Setting the conditions for cutting according to the characteristics of the work piece ( such as the type of material, hardness, etc)</li> <li>• Using appropriate fixtures for different machining procedures</li> <li>• Setting machining sequence according the requirements on the work piece</li> <li>• Using measuring tools to measure the precision of the work piece</li> </ul> </li> </ul>
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to use general machining equipment safely and independently for electrical and mechanical engineering part according to the dimensions and tolerance required by the part drawing.</p>
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses the competency of EMCUIN101A ‘Use general machining equipment’.