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| 1. Title               | Use computer to draw mechanical drawings   |
| 2. Code                | EMCUDE212A   |
| 3. Range               | Use typical computer software to draw mechanical drawings for electrical and mechanical work according to design.  |
| 4. Level               | 2  |
| 5. Credit              | 8  |
| 6. Competency          | <p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Computer drawing techniques and methods</p> <ul style="list-style-type: none"> <li>◆ Understand the computer drawing techniques and methods, including the knowledge of drawing specifications, machinery to be drawn and pneumatic symbols</li> </ul> <p>6.2 Application of computer drawing</p> <ul style="list-style-type: none"> <li>◆ Use the computer to set the drawing specifications <ul style="list-style-type: none"> <li>• Set the drawing specifications</li> <li>• Use all types of lines, layers and typeface</li> <li>• Open and save file</li> </ul> </li> <li>◆ Use the computer to draw geometric figures, including mechanical and pneumatic symbols</li> <li>◆ Use the computer to draw mechanical drawings according to design <ul style="list-style-type: none"> <li>• Draw mechanical layouts</li> <li>• Draw projected mechanical parts</li> <li>• Draw sectional views for mechanical parts</li> </ul> </li> <li>◆ Use the computer to draw the pneumatic system according to design <ul style="list-style-type: none"> <li>• Draw the pneumatic system's layout according to the pneumatic design</li> <li>• Draw the electric control circuit of the pneumatic system according to the circuit design</li> </ul> </li> </ul> |
| 7. Assessment Criteria | <p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to use computer to draw mechanical layouts, projection and sectional views of mechanical equipment and parts according to design; and</p> <p>(ii) Capable to use computer to draw the pneumatic control layouts for a whole pneumatic system unit of an industrial plant with general requirements and specifications according to design.</p>   |
| 8. Remarks             | The credit value of this unit of competency is set on the presumption that the person already possesses basic computer knowledge.  |