

**Specification of Competency Standards**  
**for the Jewellery Industry**  
**Unit of Competency**

Functional Area - Technology Support

Title	Apply supporting techniques to jewellery production machinery
Code	108975L4
Range	This unit of competency is applicable to practitioners working in the production department of jewellery manufacturing organizations. Practitioners should be capable of making careful analysis and judgments. They should be able to master various kinds of supporting techniques to jewellery production machinery to meet the requirements of each department, and use different information technology software and machinery maintenance techniques to provide support for jewellery production machinery after analysis.
Level	4
Credit	6
Competency	<p>Performance Requirements</p> <p>1. Know about the supporting techniques for jewellery production machinery</p> <ul style="list-style-type: none"> <li>• Know about the supporting techniques for the commonly used production machinery/electronic production machinery in the jewellery industry</li> <li>• Know about electronic production machinery and relevant computer-aided software</li> <li>• Know about the development of new disciplines related to production in the jewellery industry, such as artificial intelligence technology and robotic arm</li> <li>• Know about the workflow of different departments of jewellery worksites/factories</li> <li>• Know about the safety knowledge of electrical engineering/machinery</li> </ul> <p>2. Apply supporting techniques to jewellery production machinery</p> <ul style="list-style-type: none"> <li>• Inspect general jewellery production machinery and determine the necessary supporting techniques</li> <li>• Master the information on various kinds of after-sales supporting techniques/services provided by the manufacturers of production machinery</li> <li>• Make use of information technology software to collect <ul style="list-style-type: none"> <li>○ Information on the new maintenance service providers</li> <li>○ Information on the new machinery, equipment, technology and technological development, and the suppliers/manufacturers</li> </ul> </li> <li>• Develop repair, inspection and maintenance records</li> <li>• Control expenditure on maintenance</li> </ul> <p>3. Professionalism</p> <ul style="list-style-type: none"> <li>• Following the requirements of the organization, code of practice and safety guidelines, provide support for jewellery production machinery with a professional attitude</li> </ul>
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> <li>• Able to know about the operation of the production machinery in various departments of jewellery worksites/factories, and use various technological software and maintenance techniques to meet the requirements of the departments; and</li> <li>• Provide support for jewellery production machinery in a safe manner according to the occupational safety guidelines.</li> </ul>
Remark	