Specification of Competency Standards
for the Jewellery Industry
Unit of Competency

Functional Area - Technology Support

Title	Know about the technical support for jewellery manufacturing equipment
Code	108972L3
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 the structure and operation of jewellery manufacturing equipment, and independently conduct maintenance for general equipment as well as contact suppliers to provide further technical support for the manufacturing equipment.
Level	3
Credit	3
Competency	Performance Requirements 1. Know about the structure and operation of jewellery manufacturing equipment - Know about the structure and operation of commonly used jewellery manufacturing equipment, such as those used in die-casting, mould trimming, stone-setting and electroplating, as well as the relevant machinery, parts and tools - Know about the design and operation of clamps and accessories - Know about the structure and operation of relevant electronic manufacturing equipment, parts and tools, such as: - Computerized rapid prototyping machine - Computerized 3-D/2-D carving machine - Computerized faceting machine - High frequency casting machine - Know about the application of electronic manufacturing equipment and relevant computer-aided software, such as: - The Internet of Things - Radio frequency identification system - Big data - Artificial intelligence technology - Robotic arm - Know about the maintenance and repair procedures for the manufacturing equipment in the jewellery factory and the relevant technology - Know about the after-sales support services provided by the manufacturers of the various kinds of manufacturing equipment 2. Provide support for the jewellery manufacturing equipment - Master the differences between traditional jewellery manufacturing equipment and electronic manufacturing equipment - Comparison of pros and cons - Application and effect - Development and improvement - Check and maintain the manufacturing equipment regularly, such as cleaning, checking, calibrating and testing the equipment - Fill in the equipment maintenance record - Maintain contact with every operator of the manufacturing equipment - Maintain contact with the manufacturers of the manufacturing equipment for providing technical support at all times 3. Professionalism

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	• Ensure that the content, data and information provided are accurate • Take into account the overall interests of the organization, manufacturers and business partners when providing support for the jewellery manufacturing equipment
Assessment Criteria	The integrated outcome requirement of this unit of competency is: • Able to understand the structure and operation of the manufacturing equipment in the jewellery production department to independently perform general maintenance of the equipment as well as contact suppliers to provide further technical support for the manufacturing equipment.
Remark	