

Specification of Competency Standards for the Jewellery Industry
Unit of Competency

1. Title	Know about the technical support for jewellery manufacturing equipments
2. Code	JLZZTS302A
3. Range	This unit of competency is applicable in various departments of jewellery worksites/factories. Practitioners should be capable to understand thoroughly the structure of jewellery manufacturing equipments, and can independently conduct maintenance for general equipments as well as contact suppliers to provide further technical support for manufacturing equipments.
4. Level	3
5. Credit	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Know about the structure and operation of jewellery manufacturing equipments</p> <ul style="list-style-type: none"> ◆ Know about the structure and operation of commonly used jewellery manufacturing equipments, such as those used in die-casting, mould trimming, stone-setting, electroplating as well as relevant machineries, parts and tools, etc. ◆ Know about the design and operation of clamps ◆ Know about the structure and operation of relevant electric manufacturing equipments, parts and tools, such as: <ul style="list-style-type: none"> • Computerized Rapid Prototyping Machine • Computerized 3-D/2-D Carving Machine • Computerized Facetting Machine • Electric Die-casting Machine and furnace

	<p>6.2 Capable to provide support to jewellery manufacturing equipments</p> <ul style="list-style-type: none"> ◆ Know about the application of electric manufacturing equipments and relevant computer-aided softwares ◆ Know about the maintenance and repairing procedure for the jewellery factory's manufacturing equipments and relevant technologies ◆ Know about the after-sales services provided by manufacturers of various kinds of manufacturing equipments ◆ Know the difference between jewellery manufacturing equipments and electric manufacturing equipments ◆ Capable to check and maintain the manufacturing equipments regularly, such as: clean, check, measure and test the equipments, etc. ◆ Fill in the Equipment Maintenance Record ◆ Maintain contact with every operator of the manufacturing equipments ◆ Maintain contact with the manufacturers of manufacturing equipments and can provide technical support at all times
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to understand the structure and operation of manufacturing equipments in each department of the jewellery worksites/factories to independently perform general maintenance duty for equipments as well as contact suppliers to provide further technical support for manufacturing equipments.</p>
8. Remarks	<p>The credit value of this unit of competency is set on the presumption that the person concerned already possesses knowledge of applying general occupational safety, health and environmental protection ordinances, and have basic knowledge of electronic engineering and electrical engineering.</p>