

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

Functional Area - Production

Title	Master stone sorting techniques
Code	108928L2
Range	This unit of competency is applicable to practitioners with relevant job duties in the jewellery industry. Practitioners should be capable of performing stone screening duties according to the specification, quality, quantity and weight of the diamonds/gemstones under instruction. They should also know how to sort the stones by workpiece or by design sketch in accordance with the requirements of the organization or customers' orders, and keep records of relevant information.
Level	2
Credit	3
Competency	<p>Performance Requirements</p> <p>1. Know about the screening of diamonds/gemstones and the requirements of stone sorting</p> <ul style="list-style-type: none"> <li>• Know about the classes of specification for diamonds/gemstones <ul style="list-style-type: none"> <li>○ Colour</li> <li>○ Clarity</li> <li>○ Size</li> <li>○ Cut</li> <li>○ Stones being intact (ruptured stones)</li> </ul> </li> <li>• Know about the selection of stone sieves</li> <li>• Know about the requirements of stone sorting for different gemstone settings</li> <li>• Know about the requirements of stone sorting based on the lustre, texture, thickness and quantity of the stones</li> <li>• Know about the colour order, matching and supplements of coloured stones</li> </ul> <p>2. Perform stone sorting duties and keep records of relevant information</p> <ul style="list-style-type: none"> <li>• Operate stone sorting instruments correctly, such as 10x loupe, diamond measurement gauge, electronic stone scale, fluorescent lamp, diamond tweezers, stone sieves and callipers</li> <li>• Master the stone sorting method <ul style="list-style-type: none"> <li>○ Inspect if the stone has flaws, fractures and ruptures</li> <li>○ Inspect if the colour and clarity of the stones match</li> <li>○ Match the cut and specification of gemstones with the metal or wax collets</li> <li>○ Keep the storage record according to the surplus stone materials</li> </ul> </li> <li>• Master the receipt and delivery record of the stone setting department <ul style="list-style-type: none"> <li>○ The record of stone setting by workpiece</li> <li>○ Handle the record of surplus stones and broken stones</li> </ul> </li> </ul> <p>3. Professionalism</p> <ul style="list-style-type: none"> <li>• Adhere to professional ethics, and do not attempt any misappropriation of assets of the organization and theft</li> <li>• Ensure that the information of the records provided is accurate</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 perform screening duties of diamonds/gemstones and stone sorting by workpiece or by design sketch under instruction in accordance with the requirements of the organization or the customers' orders; and</li> </ul>

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	<ul style="list-style-type: none"><li>• Make accurate records of the receipt and delivery information of stone sorting, including clerical or computer information.</li></ul>
Remark	This unit of competency is written in accordance with the "Hong Kong Jewellery Manufacturing Industry ISO 9001 Quality Management System Reference Manual - Work Instructions Sample".