

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

1. Title	Operate basic equipment for diamond/gemstones faceting/polishing equipments	
2. Code	JLZZPD223A	
3. Range	This unit of competency is applicable in workplaces relevant to diamond /gemstone faceting/polishing. Practitioners should be capable to operate various diamond/gemstone faceting/polishing tools and equipment safely under instruction so as to perform basic diamond/gemstone faceting/polishing.	
4. Level	2	
5. Credit	12	
6. Competency	<p>6.1 Know about the operation industrial safety of basic equipment for diamond/gemstone faceting/polishing</p>	<p style="text-align: center;"><u>Performance Requirements</u></p> <ul style="list-style-type: none"> <li>◆ Understand basic optical and physical properties of diamond/gemstones</li> <li>◆ Understand common cuts and facets of diamond/gemstone, including cabochon, round brilliant, oval, square/baguette, trapeze, marquise, pear, emerald, scissors and mixed cuts, etc.</li> <li>◆ Understand the industrial safety of faceting/polishing diamond/gemstone <ul style="list-style-type: none"> <li>• protection of the respiration system</li> <li>• the causes and precautions of Silicosis</li> </ul> </li> <li>◆ Understand the function, operation and operational safety of diamond/gemstone faceting/polishing tools/equipment</li> <li>◆ Understand diamond/gemstone faceting/polishing procedures</li> </ul>

	<p>6.2 Master basic diamond/gemstone faceting/polishing techniques</p> <ul style="list-style-type: none"> <li>◆ Master the use of diamond/gemstone faceting/polishing equipment <ul style="list-style-type: none"> <li>• operation of cutting lap</li> <li>• application of transfer jig</li> <li>• adjustment of dop stick</li> </ul> </li> <li>◆ Master the application of various grinding and polishing materials</li> </ul>
<p>7. Assessment Criteria</p>	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to know about the characteristics of different diamond/gemstones and effectively operate faceting/polishing equipments, so as to perform basic diamond/gemstone faceting/polishing.</p>
<p>8. Remarks</p>	<p>The credit value of this unit of competency is set on the presumption that the person concerned already possesses basic knowledge in identifying common gemstones.</p>