

Specification of Competency Standards
for the Jewellery Industry
Unit of Competency

Functional Area - Production

Title	Formulate plans to improve jewellery manufacturing techniques and technologies
Code	108963L6
Range	This unit of competency is applicable to senior management and decision-making personnel in jewellery manufacturing organizations. Practitioners should be capable of making careful analysis and judgments. They should be able to master jewellery manufacturing techniques and technologies to review, assess and analyze the current jewellery manufacturing techniques, so as to effectively formulate plans to improve jewellery manufacturing techniques and technologies.
Level	6
Credit	9
Competency	<p>Performance Requirements</p> <p>1. Know about jewellery manufacturing techniques and technologies</p> <ul style="list-style-type: none"> • Understand and identify problems of manufacturing techniques encountered by the industry • Know about the industry's new technologies for improving production quality • Know about the impact of new technologies/manufacturing techniques on improving jewellery quality and on the organization • Apply new technologies/manufacturing techniques of other industries to improve the production quality in jewellery manufacturing • Integrate the specific manufacturing techniques of jewellery and master the information on the latest technological development to develop new knowledge in jewellery manufacturing techniques <p>2. Formulate plans to improve jewellery manufacturing techniques and technologies</p> <ul style="list-style-type: none"> • Identify ways to improve manufacturing techniques, such as: <ul style="list-style-type: none"> ○ Compare different kinds of jewellery manufacturing techniques ○ Assess the feasibility of implementing different kinds of jewellery manufacturing techniques in the organization • Introduce advanced/automated machinery and equipment, such as: <ul style="list-style-type: none"> ○ Collect information on advanced/automated machinery and equipment ○ Introduce advanced/automated machinery and equipment to enhance production efficiency and quality • Assess and establish the technological level of production of the factory, such as: <ul style="list-style-type: none"> ○ Assess jewellery manufacturing technologies in the Mainland and overseas ○ Introduce advanced technologies from overseas • Develop standards or levels which the organization's production technology needs to meet • Develop an overall roadmap on the development of the jewellery manufacturing technologies and techniques of the organization to enhance the competitiveness of the organization • Participate in the industry's technological seminars and activities regularly • Take the improvement of jewellery manufacturing techniques as a project subject to continual research and regular reviews <ul style="list-style-type: none"> ○ Design and apply suitable research methods ○ Effectively allocate and utilize research resources <p>3. Professionalism</p>

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	<ul style="list-style-type: none">• Improve the production efficiency and product quality of jewellery manufacturing by enhancing the jewellery manufacturing techniques
Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <ul style="list-style-type: none">• Able to master jewellery manufacturing techniques and technologies to review, assess and analyze the current jewellery manufacturing techniques; to assess the feasibility of implementing different kinds of jewellery manufacturing techniques in the organization, so as to effectively formulate plans to improve jewellery manufacturing techniques and technologies to meet the organization's development direction.
Remark	