

Specification of Competency Standards
for the Jewellery Industry
Unit of Competency

Functional Area - Production

Title	Carve wax models for jewellery articles/ornaments
Code	108947L3
Range	This unit of competency is applicable to practitioners working in the jewellery wax model carving department of jewellery manufacturing organizations. Practitioners should be capable of mastering the relationship between wax models and electroforming manufacturing. They should also be capable of analyzing the information on the design sketch and customers' requirements independently, so as to effectively perform wax model carving for carved jewellery articles/ornaments and to produce wax moulds used for manufacturing electroformed precious metal articles/ornaments.
Level	3
Credit	6
Competency	<p>Performance Requirements</p> <p>1. Understand the principles of wax model carving for electroformed and carved jewellery articles/ornaments</p> <ul style="list-style-type: none"> • Know about the processing procedures and requirements of electroforming techniques • Know about the information on the design sketch and customers' requirements • Know about the types of jewellery articles/ornaments made from wax models, including: <ul style="list-style-type: none"> ○ Portraits ○ Animals and livestock ○ Flowers and trees ○ Cartoon figurines ○ Chinese zodiac ○ Mascots • Master the techniques for constructing a 3-D structural design from a graphic layout design <p>2. Wax model carving for carved jewellery articles/ornaments</p> <ul style="list-style-type: none"> • Master the techniques for wax model carving • Control the size and weight of products • Master the techniques for duplicating wax moulds <ul style="list-style-type: none"> ○ The treatment of condensed silicon plastic ○ The operation of vacuum wax injection ○ Wax mould trimming and hall mark treatment <p>3. Professionalism</p> <ul style="list-style-type: none"> • Following the requirements of the organization, code of practice and safety guidelines, perform wax model carving for carved jewellery articles/ornaments with a professional attitude
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> • Able to analyze the information on the design sketch and customers' requirements independently and employ proficient techniques to construct the 3-D design of carved jewellery articles/ornaments for wax model carving, including: portraits, animals, cartoon figurines, Chinese zodiac, mascots, etc.; and • Take into account the manufacturing quality and results of electroforming processing procedures.
Remark	