

Specification of Competency Standards
for the Jewellery Industry
Unit of Competency

Functional Area - Production

Title	Master jewellery polishing techniques
Code	108926L2
Range	This unit of competency is applicable to practitioners working in the jewellery polishing/electroplating department of jewellery manufacturing organizations. Practitioners should be capable of operating polishing equipment and instruments, and mastering the relevant techniques to polish the rough surface of jewellery to make it smooth and shiny according to the code of practice and safety regulations under instruction.
Level	2
Credit	3
Competency	<p>Performance Requirements</p> <p>1. Know about polishing machineries and occupational safety</p> <ul style="list-style-type: none"> • Know how to protect the respiratory system and know about the industrial safety of jewellery polishing <ul style="list-style-type: none"> ○ Protection of the respiratory system ○ Causes and prevention of silicosis ○ Pay attention to potential hazards in the work processes and working environment ○ Formulate and list the safety regulations appropriately and clearly • Know about polishing equipment and its safe operation <ul style="list-style-type: none"> ○ Electric polisher ○ Lapping machine ○ Flexible shaft machine ○ Rolling mill ○ Vibratory polishing machine ○ Mould polishing machine ○ Magnetic polishing machine ○ Sandblaster • Know about the application of polishing wheels, bristle brushes and lapping plates <ul style="list-style-type: none"> ○ The classification and functions of different kinds of bristle brushes, felt points/wheels and lapping plates ○ The order in using the polishing brushes, wheels and lapping plates • Know about the application of polishing wax <ul style="list-style-type: none"> ○ The functions of various kinds of polishing wax ○ The grinding functions of various kinds of polishing wax ○ The auxiliary wax for different metals • Know about the application of steel and agate burnishers • Know about the mechanical polishing process <p>2. Master jewellery polishing</p> <ul style="list-style-type: none"> • Operate lapping/polishing machines safely • Polish fine gold jewellery according to the normal procedure, including: <ul style="list-style-type: none"> ○ Rub with pressure with the steel burnisher ○ Brush ○ Polish with the agate burnisher • Polish karat gold jewellery according to the normal procedure, including: <ul style="list-style-type: none"> ○ Thread polishing ○ Brushing ○ Buffing the inner side of the holes/inner side of the ring

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	<ul style="list-style-type: none"> ○ Buffing with the long-haired brush ○ Buffing with the medium-haired brush ○ Buffing with the short-haired brush ○ Polishing with felt buffing wheel ○ Polishing with yellow buffing wheel ○ Polishing with the white buffing wheel ○ Polishing the sides/inner side of the holes/inner side of the ring ○ Polishing with cloth buffing wheel ● Perform mechanical polishing according to the normal procedure <ul style="list-style-type: none"> ○ Sprue removal ○ Buffing with steel wheel ○ Buffing with sand wheel ○ Shaping ○ Polishing with beads ○ Barrel, tumble-polishing ○ Polishing with felt wheel buff ○ Polishing with sand buffing wheel ○ Magnetic polishing ○ Buffing with walnut shell abrasive powder ○ De-waxing <p>3. Professionalism</p> <ul style="list-style-type: none"> ● Following the requirements of the organization, code of practice and safety guidelines, carry out jewellery polishing 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 make use of the polishing equipment and instruments to polish the surface of the jewellery under instruction in accordance with the organization's code of practice and safety regulations, so that the surface will become smooth and shiny, thus fulfilling the requirement of the organization or the customer; and ● Repair notable flaws during the polishing process while taking into account the physical characteristics of gemstones and avoid damaging the gemstones.
Remark	