

J3.14 Polish and finish jewellery or silverwork to a commercial standard SQA Unit Code H9VE 04

Unit Summary

This unit covers the skills and knowledge required to polish and finish components, using appropriate techniques. In producing a finish on the components, you will be required to work to instructions and to use a range of mops, polishes and techniques, appropriate to the type of material and surface finish required.

Performance Indicators

You will be able to:

- a) Demonstrate that you can produce a commercial finish on work
- b) Polish work made in a range of **precious metals**
- c) Finish work, using a range of **equipment**
- d) Check that the completed work/work pieces are dimensionally accurate, correctly formed, and free from fire-stain, stretching and blemishes

Knowledge and Understanding

You will know and understand:

- 1) The specific hazards that may occur, and the safe and correct use with polishing equipment
- 2) How to identify and specify the use of common compounds - abrasive, polishing, finishing and matting
- 3) How to identify and specify the use of common mops, brushes, felt bobs, composition wheels
- 4) How to prepare and dress mops and bobs
- 5) The correct and safe methods for presentation of objects to the polishing lathe
- 6) The correct sequence in removing fire-stain, preliminary abrasive polishing, bright polishing and finishing
- 7) How to recognise and achieve a commercially acceptable standard
- 8) Hand polishing techniques
- 9) The functions of the materials used in barrel polishing, and the correct procedures for using them
- 10) The use of ultrasonic cleaning machines and various hand methods of cleaning
- 11) The use of sawdust drying
- 12) The use of plating equipment and the appropriate micron thickness for the product

Range

You are required to:

Polish the **precious metals** from one of the following groups as appropriate to your work role:

Group 1 - Jeweller

- A. Polish one of the following **precious metals**:
- (i) Silver
 - (ii) Gold
 - (iii) Platinum

(iv) Palladium

B. Use all of the following **equipment**

(i) Polishing Lathe

(ii) Pendant Motor

(iii) Ultrasonic

(iv) Rhodium and gold plating

OR

Group 2 – Silversmith

A. Polish one of the following **precious metals**:

(i) Silver

(ii) Gold

B. Use all of the following **equipment**

(i) Polishing Lathe

(ii) Pendant Motor

(iii) Ultrasonic

(iv) Silver plating, gold plating