

J4.8 Produce spun products using advanced techniques SQA Unit Code H9V1 04

Unit Summary

This unit covers the skills and knowledge required to produce items by spinning, using advanced techniques. In producing spun products, you will be required to work to instructions and to use a range of hand and machine techniques. You will be expected to take personal responsibility for your own actions and for the quality and accuracy of the work that you carry out.

Performance Indicators

You will be able to:

- a) Produce complex spun items using a range of **techniques**
- b) Producing spun items of varying **sizes**
- c) Check that the completed work is dimensionally accurate, correctly formed and free from excessive tooling, stretching and blemishes

Knowledge and Understanding

You will know and understand:

- 1) Methods of creating complex spun forms
- 2) The techniques and processes of applying surface decoration on the lathe
- 3) The function of heat treatment techniques
- 4) How identify the different physical and working properties of metals
- 5) How to use and select the correct tools and equipment for prescribed tasks and processes
- 6) The materials suitable for making chucks for spinning
- 7) How to apply and use additional forming techniques
- 8) Complex Silversmithing construction techniques
- 9) CNC, laser and advanced technologies available for the production of silverware

Range

You are required to:

- A. Produce spun items using all of the following **techniques**:
 - (i) Spin on air
 - (ii) Split or sectional chucks
 - (iii) Multi-part items

- B. Produce a range of items of the following **sizes**:
 - (i) Large scale work
 - (ii) Small scale work