

J3.11 Produce spun silverware components SQA Unit Code H9VT 04

Unit Summary

This unit covers the skills and knowledge required to produce spun products using appropriate techniques. You will be required to work to instructions and to use a range of hand and machine techniques. During and on completion of the spinning operations, you will be expected to check the quality of your work. Use measuring equipment appropriate to the aspects being checked and the tolerances to be achieved. You will need to report any defects, seek advice on the appropriate action to rectify them, and to ensure that the finished work meets the given specification which may include timescales.

Performance Indicators

You will be able to:

- a) Form a range of **spun items**
- b) Produce both large and small scale work
- c) Produce spun items from a range of **materials**:
- d) Check that the completed work/work pieces are dimensionally accurate, correctly formed, and free from excessive tooling, stretching and blemishes
- e) Complete the work to the given specification

Knowledge and Understanding

You will know and understand:

- 1) How to interpret drawn images, using appropriate drawing standards
- 2) Relevant mathematical formulae and calculations
- 3) Methods of creating spun forms
- 4) The function and use of heat treatment techniques
- 5) How to identify the different physical and working properties of metals
- 6) How to select and use the correct tools and equipment for prescribed tasks and processes
- 7) How to prepare chucks for spinning
- 8) Silversmithing construction techniques
- 9) How to produce basic chucks and formers, using suitable materials

Range

You are required to:

- A. Form a range of **spun items** including all of the following:
 - (i) Matching hollow shapes
 - (ii) Rolled edges
 - (iii) Thick and thin material

B. Produce spun items from at least two of the following **materials**:

- (i) Silver
- (ii) Copper
- (iii) Gilding metal
- (iv) Brass
- (v) Nickel Silver
- (vi) Aluminium