CCSJ310

Form silverware components

Overview

This standard covers the skills required to produce silverware, using forming techniques such as spinning, stamping, forging, scoring and folding. You will also form three dimensional components using a range of methods including jigs and raising and planishing.

You will work to instructions, and to use a range of hand tools and techniques appropriate to the type of material being used. You must check the quality of your work, report any defects, seek guidance to rectify defects and ensure that the finished work meets the given specification which may include timescales.

Performance criteria

You must be able to:

1. form **three-dimensional silverware** components using a range of methods in line with industry best practice
2. produce both hollow and solid work for different projects in line with industry best practice
3. produce silverware using a range of **techniques** for different projects in line with industry best practice
4. manage waste materials safely and economically in line with workplace instructions
5. check components are dimensionally accurate, the forming is correct and there are no excessive marks visible in line with project needs
6. seek support and guidance when problems arise in line with workplace instructions
7. finish the completed components using techniques in line with the specification
8. check the work for defects in line with the needs of the project
9. take action to rectify any defects detected in line with workplace instructions
10. complete the work to the given specification in line with workplace instructions

Knowledge and understanding

You need to know and understand:

1. safety precautions to be taken when forming silverware components
2. how to measure accurately
3. methods of creating three-dimensional forms
4. heat treatment techniques in annealing
5. how to avoid any unnecessary damage to material surfaces
6. how to use and select the correct tools and equipment
7. how to make custom tooling
8. suitable materials for making jigs or aids
9. the application of raising, forging, chasing, stamping, and spinning
10. how to avoid any unnecessary damage to material surfaces
11. who to ask for support and when to do so
12. how to check that the joining meets the needs of the specification
13. best practice in joining within chosen silverware industry
14. the importance of following the given specification and timescales
15. common defects and ways to rectify these
16. safe waste dispose processes

Scope/range

1. **Form three dimensional silverware components** includes the following methods:

- drawing and swaging wire
- blocking and sinking
- jigs
- raising and planishing

2. Produce silverware items using following **techniques:**

- spinning
- turning
- stamping
- raising
- forging
- scoring and folding

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