

COGSIGN31

Signage - produce engraved products



Overview

This unit deals with the following:

1. Produce engraved products

During this work you must take account of the relevant operational requirements and safe working practices AS THEY APPLY TO YOU.

Previous Version: Unit 3.11 National Occupational Standards in Signmaking (CWP1)

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Performance criteria

- You must be able to:*
- P1 select and obtain the necessary resources for engraving the materials to the specified requirements, including suitable PPE (Personal Protective Equipment)
 - P2 identify required template shapes for masking, measure and where necessary, cut and then position on the material to be engraved
 - P3 identify any defects/problems with the surface to be engraved prior to operation and take the appropriate action
 - P4 identify and pre-mark the areas to be engraved using an accepted and appropriate method
 - P5 perform the engraving operation according to specification following approved quality procedures and protect the surrounding areas from damage
 - P6 ensure that the correct lubricants and coolants are used at the appropriate time to minimise damage to materials, tools and equipment
 - P7 monitor and control the engraving operation and identify any faults, variations and/or problems that occur
 - P8 make any necessary adjustments within the limits of your authority
 - P9 report any faults, variations and/or problems that you cannot solve and/or are not your responsibility to the relevant person
 - P10 remove and dispose of waste materials safely using an approved method
 - P11 deal appropriately with engraved products and complete any necessary documentation
 - P12 follow relevant health and safety and environmental requirements and legislation at all times

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Knowledge and understanding

You need to know and understand:

- K1 how to determine the resources i.e., equipment, tools, materials, techniques and methods needed to complete the activity
- K2 how to identify and determine the appropriateness of PPE (Personal Protective Equipment) for work activities, to include equipment to protect head, trunk, hands and feet
- K3 how to measure shapes accurately and draw them onto a suitable template material
- K4 how to identify and select template materials appropriate for the work to be completed and what the consequences are of not using appropriate template material
- K5 what are acceptable pre-marking methods and why
- K6 how and why surrounding areas should be protected from damage
- K7 what the specified requirements and positioning and quality tolerances are and why these are important
- K8 what is regarded as acceptable quality
- K9 when and why lubricants and coolants are used and which to use
- K10 how to minimise damage caused by the environment, colleagues and passing goods
- K11 what is regarded as waste and how to minimise and remove it following approved methods
- K12 how to perform and monitor the engraving operation
- K13 what faults, variations or problems may occur in the engraving operation.
- K14 how to make necessary adjustments within your permitted authority
- K15 who are the relevant personnel
- K16 how to deal appropriately with engraved products
- K17 what documentation is necessary
- K18 what legislation and organisational codes of practice are relevant.
- K19 what are the consequences of not following legislation and organisational requirements
- K20 what health and safety and environmental requirements and legislation are relevant and how to follow them
- K21 what are the consequences to you and to others of not following health and safety and environmental legislation

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Additional Information

Glossary

Removal Methods

Hand held tools, fixed tools

Types of Rectification Methods

Manual, automated

Relevant Personnel

Line manager, supervisor, team leader etc.

Relevant Health and Safety and Environmental Requirements

What your responsibilities are in respect of health and safety and environmental requirements and legislation, regulations, safe working practices, local, national and organisational/site specific procedures

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Suite Signmaking

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