

Manufacturing products using combined manufacturing operations

LEARNING OUTCOMES

- 1 **Manufacture products using combined manufacturing operations**
- 2 **Know how to manufacture products using combined manufacturing operations**

Performance evidence must be the main form of evidence gathered. You are required to provide THREE pieces of evidence that demonstrate your competence for the criteria in outcome one and ONE piece of evidence to show your essential knowledge for the criteria in outcome two.

OUTCOME ONE

MANUFACTURE PRODUCTS USING COMBINED MANUFACTURING OPERATIONS

You are required to provide THREE pieces of evidence that demonstrate your competence in each criteria.

Performance evidence required You must be able to:	Evidence reference number	Evidence reference number	Evidence reference number
1 Work safely at all times, complying with health and safety, environmental and other relevant regulations and guidelines.			
2 Follow the relevant manufacturing procedures and safety requirements to include all of the following: <ul style="list-style-type: none"> • health and safety regulations • safe working practices • job instructions • equipment / tool operating instructions • company standards and procedures. 			
3 Obtain and follow the correct job instructions and any relevant manufacturing procedure and quality specifications tools.			
4 Use the correct equipment for the manufacturing operations being performed.			

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OUTCOME ONE *continued***MANUFACTURE PRODUCTS USING COMBINED MANUFACTURING OPERATIONS**

Performance evidence required You must be able to:	Evidence reference number	Evidence reference number	Evidence reference number
5 Perform the combined operations according to instructions and safe operating procedures.			
6 Monitor and control the combined operations and identify any faults, variations or problems that occur.			
7 Make permitted adjustments to solve production faults, variations or problems related to two of the following: <ul style="list-style-type: none"> • quality • accuracy • material utilisation • operational safety • manufacturing changes • productivity. 			
8 Report any problems that you cannot solve or are outside your permitted authority to the appropriate person to include one of the following: <ul style="list-style-type: none"> • supervisor • team leader • quality control. 			
9 Minimise any waste during the combined operation.			
10 Produce manufactured products which comply with the specification and quality requirements.			

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OUTCOME ONE *continued***MANUFACTURE PRODUCTS USING COMBINED MANUFACTURING OPERATIONS**

Performance evidence required You must be able to:	Evidence reference number	Evidence reference number	Evidence reference number
<p>11 Carry out checks of the manufactured products to include the following:</p> <ul style="list-style-type: none"> • completeness of manufacturing operation. <p>and three other checks from the following:</p> <ul style="list-style-type: none"> • dimensional accuracy • quality of finish • freedom from damage • quantity • volume • freedom from contamination. 			
<p>12 Work to achieve your production targets for both of the following:</p> <ul style="list-style-type: none"> • output • quality. 			
<p>13 Deal appropriately with finished components and complete any necessary documentation accurately and legibly.</p>			

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OUTCOME TWO

KNOW HOW TO MANUFACTURE PRODUCTS USING COMBINED MANUFACTURING OPERATIONS

You are required to demonstrate competence in each criteria on at least ONE occasion.

Performance evidence required You must be able to:	Evidence reference number	Evidence reference number	Evidence reference number
1 Describe the relevant health and safety requirements of the work area in which you are carrying out the combined operation.			
2 Explain the specific safe working practices, equipment procedures and environmental regulations that need to be observed.			
3 Explain the hazards associated with carrying out the combined operations and how they can be minimised.			
4 Explain what actions need to be taken in case of emergencies when using combined operations.			
5 Explain what personal protective equipment may be used during the combined operations and where it can be obtained.			
6 Explain how to obtain the necessary job instructions, operating procedures and manufacturing specifications that are used, and how to interpret them.			
7 Explain what equipment is used for the combined operations and how do you check that it is in a safe and usable condition.			
8 Explain how to operate, monitor and control the combined operation to achieve the required specification.			

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OUTCOME TWO *continued***KNOW HOW TO MANUFACTURE PRODUCTS USING COMBINED MANUFACTURING OPERATIONS**

Performance evidence required You must be able to:	Evidence reference number	Evidence reference number	Evidence reference number
9 Explain the specific manufacturing operations to be performed.			
10 Explain what methods can be used to minimise waste during combined operations.			
11 Explain what faults, problems or variations can occur in the combined operations.			
12 Explain how to identify faults, problems or variations in the combined operation.			
13 Explain what allowable adjustments you can make to achieve specification in the combined operation.			
14 Explain why it is important to report faults, variations or problems that are outside your permitted authority and or you cannot solve immediately.			
15 Explain how to check the quality of the manufactured products, against the required quality standards.			
16 Explain what documentation may need to be completed, and why it is important to complete it accurately and legibly.			
17 Explain what your responsibilities are with regard to the reporting lines and procedures in your working area.			
18 Explain who the appropriate people are and what their responsibilities are within your working area.			

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Sign-off

CANDIDATE DECLARATION

I confirm that all the evidence submitted for this qualification is my own work.

Signature of candidate:

Date:

ASSESSOR DECLARATION

I can confirm that the evidence presented is valid, authentic, current and sufficient within the context of the qualification criteria, and demonstrates the candidate's competence across the outcomes claimed.

Signature of assessor:

Name of assessor:

Date:

Internal verifier signature (if sampled):

Internal verifier name:

Date:

External verifier signature (if sampled):

External verifier name:

Date:
