

Please read the instructions printed at the end of this form. One of these sheets, suitably completed, should be attached to the assessed work of each candidate.

<b>Unit Title</b>	<b>Quality control of engineered products</b>	<b>Unit Code</b>	<b>R112</b>	Series Jan / June	<b>Year</b>	<b>2</b>	<b>0</b>			
<b>Centre Name</b>				<b>Centre Number</b>						
<b>Candidate Name</b>				<b>Candidate Number</b>						

### Marking Criteria – Total Marks for this unit is 60

Mark Band 1	Mark Band 2	Mark Band 3	Teacher Comment	Page
<b>LO1: Understand the importance of quality control</b>				
<p>Describes <b>some</b> reasons for implementing quality control in production, with <b>some limited</b> examples.</p> <p>Describes <b>some</b> quality control procedures used in production.</p> <p style="text-align: right;"><b>1 – 2 marks</b></p>	<p>Describes in detail <b>most</b> reasons for implementing quality control in production, with <b>some clear</b> examples.</p> <p>Describes <b>most</b> quality control procedures used in production in <b>some</b> detail.</p> <p style="text-align: right;"><b>3 – 4 marks</b></p>	<p>Describes in detail <b>all</b> the reasons for implementing quality control in production, with a range of <b>clear</b> and <b>relevant</b> examples.</p> <p><b>Comprehensively</b> describes <b>all</b> quality control procedures used in production.</p> <p style="text-align: right;"><b>5 – 6 marks</b></p>	<div style="border: 1px solid black; width: 60px; height: 60px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> <b>Mark</b> </div>	

<b>LO2: Be able to assess product quality from inspection and quality control techniques</b>			<b>Teacher Comment</b>	<b>Page</b>
<p>Outlines <b>some</b> quality control techniques and inspection checks used in stages of production.</p> <p style="text-align: right;"><b>1 – 4 marks</b></p>	<p>Describes in <b>some</b> detail <b>most</b> quality control techniques and inspection checks used in stages of production.</p> <p style="text-align: right;"><b>5 – 8 marks</b></p>	<p><b>Comprehensively</b> describes <b>all</b> quality control techniques and inspection checks used in stages of production.</p> <p style="text-align: right;"><b>9 – 12 marks.</b></p>	<div style="border: 1px solid black; padding: 5px; width: 50px; margin: 0 auto;">Mark</div>	
<p>Requires <b>regular</b> assistance to inspect a product using appropriate tools and techniques.</p> <p>Produces a <b>basic</b> evaluation based on <b>some</b> quality control checks.</p> <p>Draws upon <b>limited</b> skills/knowledge/ understanding from other units in the specification.</p> <p style="text-align: right;"><b>1 – 5 marks</b></p>	<p>Requires <b>occasional</b> assistance to inspect a product using appropriate tools and techniques.</p> <p>Produces a <b>detailed</b> evaluation based on <b>most</b> quality control checks.</p> <p>Draws upon <b>some relevant</b> skills/ knowledge/understanding from other units in the specification.</p> <p style="text-align: right;"><b>6 – 10 marks</b></p>	<p>Works <b>independently</b> and <b>competently</b> to inspect a product using appropriate tools and techniques.</p> <p>Produces a <b>detailed</b> and <b>comprehensive</b> evaluation based on quality control checks.</p> <p><b>Clearly</b> draws upon <b>relevant</b> skills/ knowledge/understanding from other units in the specification.</p> <p style="text-align: right;"><b>11 –15 marks</b></p>	<div style="border: 1px solid black; padding: 5px; width: 50px; margin: 0 auto;">Mark</div>	
<b>LO3: Know how modern technologies can be used in quality control</b>				
<p>Describes a <b>limited range</b> of applications of modern technologies in quality control.</p> <p style="text-align: right;"><b>1 – 4 marks</b></p>	<p>Describes in <b>some</b> detail a <b>range</b> of applications of modern technologies in quality control.</p> <p style="text-align: right;"><b>5 – 8 marks</b></p>	<p>Describes in <b>detail</b> a <b>wide range</b> of applications of modern technologies in quality control.</p> <p style="text-align: right;"><b>9 – 12 marks</b></p>	<div style="border: 1px solid black; padding: 5px; width: 50px; margin: 0 auto;">Mark</div>	

LO 4: Know the principles of lean manufacturing					Teacher Comment	Page
Describes a <b>limited range</b> of categories of waste, with <b>little</b> reference to their cause.	Describes a <b>range</b> of categories of waste, with <b>some</b> references to their cause.	Describes a <b>wide range</b> of categories of waste, with <b>many clear</b> references to their cause.			<div style="border: 1px solid black; padding: 5px; width: 50px; margin: 0 auto;">Mark</div>	
<b>1 – 2 marks</b>	<b>3 – 4 marks</b>	<b>5 – 6 marks</b>				
Outlines methods used to reduce waste, showing <b>limited</b> knowledge of the different aspects of Design for Manufacturing Assembly and sustainable design considerations.	Describes in <b>some</b> detail methods used to reduce waste, showing <b>adequate</b> knowledge of the different aspects of Design for Manufacturing Assembly and sustainable design considerations.	<b>Comprehensively</b> describes methods used to reduce waste, showing <b>detailed</b> knowledge of the different aspects of Design for Manufacturing Assembly and sustainable design considerations.			<div style="border: 1px solid black; padding: 5px; width: 50px; margin: 0 auto;">Mark</div>	
<b>1 – 3 marks</b>	<b>4 – 6 marks</b>	<b>7 – 9 marks</b>				
<b>Total/60</b>						
If this work is a re-sit, please tick	Session and Year of previous submission	Jan / June	<b>2</b>	<b>0</b>	Please tick to indicate this work has been standardised internally	

### Guidance on Completion of this Form

Please note: This form may be updated on an annual basis. The current version of this form will be available on the OCR website ([www.ocr.org.uk](http://www.ocr.org.uk)).

### Guidance on Completion of this Form

- 1 **One** sheet should be used for each candidate.
- 2 Please ensure that the appropriate boxes at the top of the form are completed.
- 3 Please enter *specific* page numbers where evidence can be found in the portfolio, and where possible, indicate to which part of the text in the mark band the evidence relates.
- 4 Circle the mark awarded for each strand of the marking criteria in the appropriate box and enter the circled mark in the final column.
- 5 Add the marks for the strands together to give a total out of 60 Enter this total in the relevant box.