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Embossing Tool - Section 1 : The Design Need and Brief

Cand No.:

The Design Need	Design Brief

Name:

Embossing Tools.
Business Cards

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Embossing Tool - Section 2: Research - How embossing tools work

Diagrams	How it	Works!
Advantages and disadvantages of embossing		
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EmbossedProduct - Description	EmbossedProduct - Description	EmbossedProduct - Description	EmbossedProduct - Description
			Summary/Notes
EmbossedProduct -	EmbossedProduct -	EmbossedProduct -	
Description	Description	Description	

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Embossing Tool - Section 2 : Research - Surveys

Cand No.:

Question	Sames Choices						Totals	Charts
							\neg	
							\neg	
							\neg	
							\neg	
							\neg	

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Industrial	Technology		Embo	ssing Tool - Section	on 2 : Research -	Existing Products	
		How it works				How it works	
		Good Points	Bad Points			Good Points	Bad Points
]		Sur	mmary
How it works		How it works		How it works			
Good Points	Bad Points	Good Points	Bad Points	Good Points	Bad Points		

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Embossing Tool - Section 2 : Initial Specification

Specification Points	Reasons
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

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Industrial Technology	Embossing Tool - Section 2 : Initial I	deas - Research
	Sketches of mechanisms and simple ideas which could be used to work up into the design ideas.	
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Industrial Technology	Embossing Tool - Section 2 : Initial I	deas - Research
	Sketches of mechanisms and simple ideas which could be used to work up into the design ideas.	
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Industrial Technology	

Embossing	Tool -	Section 3:	Design Ideas	- Annotated	-	IDEA
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Embossing	Tool -	Section 3:	Design Ideas	- Annotated	-	IDEA
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Embossing	Tool -	Section 3:	Design Ideas	- Annotated	-	IDEA
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Embossing Tool - Section 3 : Design Ideas - Annotated - ID	Embossing	Tool -	Section 3	: Design Ideas	- Annotated	_	IDEA
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Embossing Tool - Section 3 : Evaluation of Ideas

Specification Points	Idea1	Idea 2	Idea 3	Idea 4
,				
		1		

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Embossing Tool - Section 4 : Material and component selection

Component/Part	Material	Description/Properties	Function in Product	Production Method

Process	Quality Control Methods	Suitable for Batch Production

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Embossing Tool - Section 4 : Manufacturing Systems

How my product and its components would be made in a factory by batch production methods:-	How quality control methods will be used in the production of my embossing tool in the workshop.
How jigs and templates would be used to batch produce some of the parts.	How quality control methods would be used in the production of my embossing tool if it were to be batch produced.

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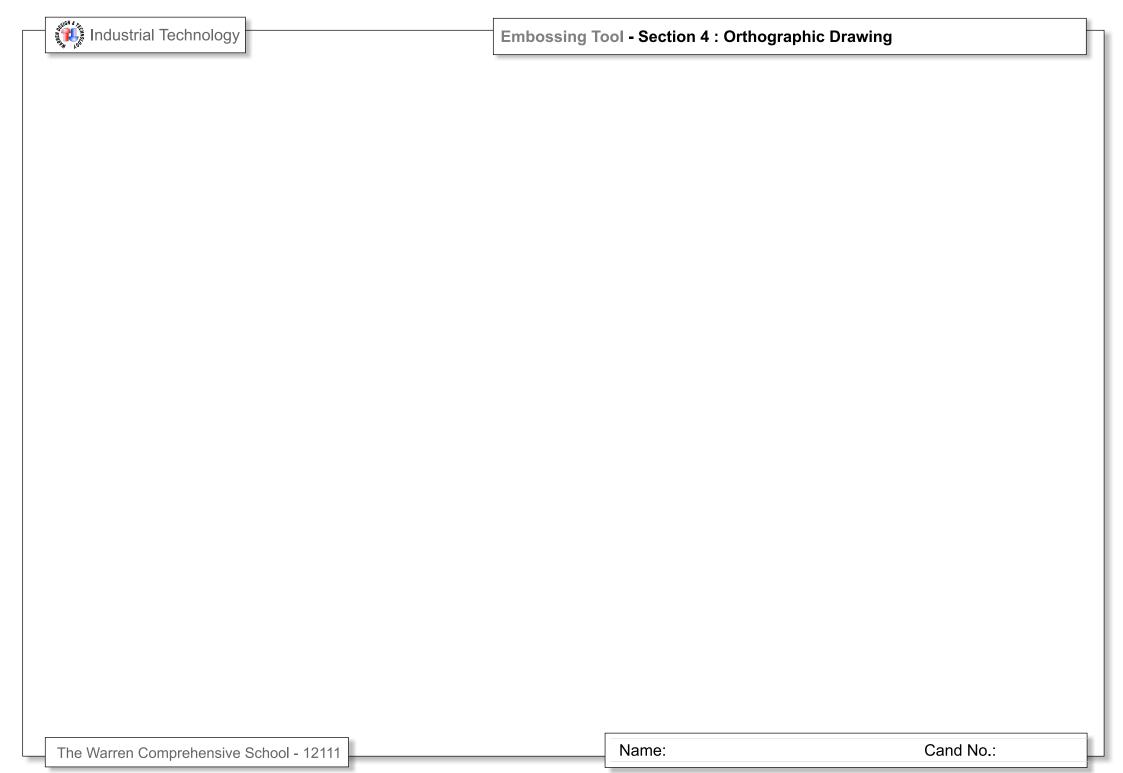
Embossing Tool - Section 4 : Development of Final Design - Models

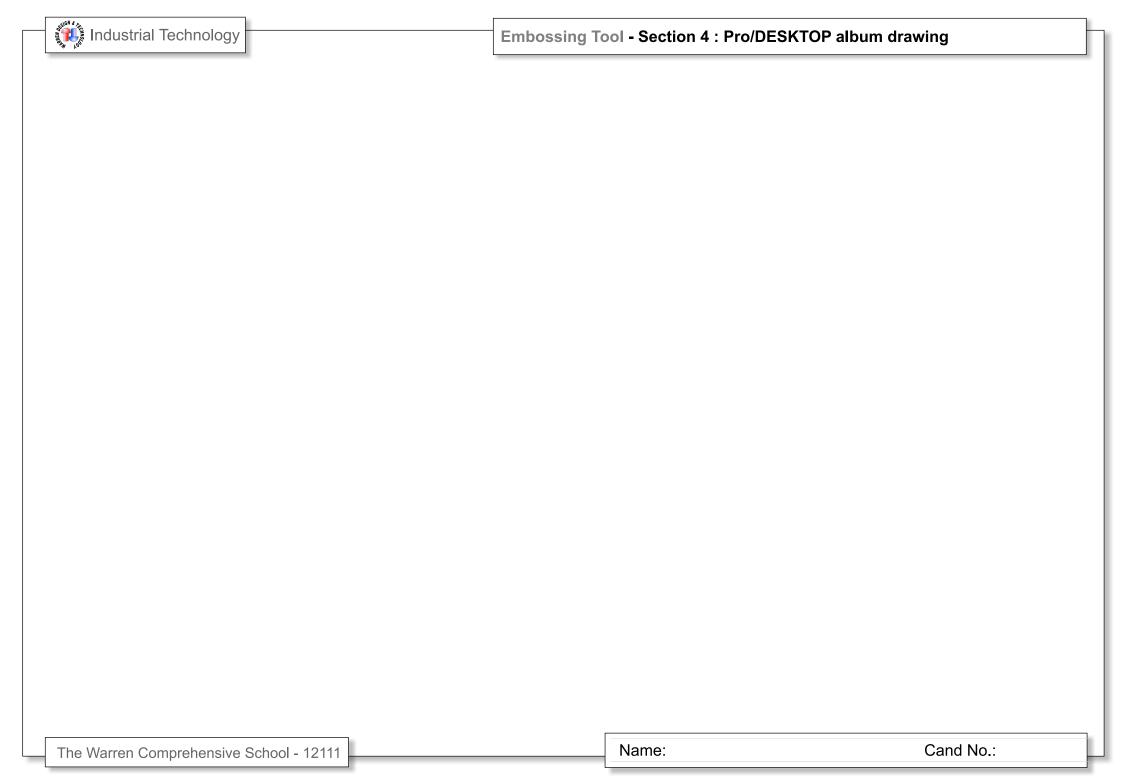
Cand No.:

Model Making - How I made the model (including materials, tools and machines used) -		Photographs
What worked?		
What went wrong?	П	
What changes did I make to my final design idea as a result of model making?		

Name:

Industrial Technology	Embossing Tool - Section 4 : Developme	nt of Final Design
terials Used	Manufacturing Processes?	
1_		
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Embossing Tool - Section 3 : Final Specification

1 2 3 4 5 6 7 8	Specification Points	Reasons
3 4 5 6 7 8	1	
3 4 5 6 7 8		
4 5 6 7 8	2	
4 5 6 7 8		
5 6 7 8	3	
5 6 7 8		
6 7 8	4	
6 7 8		
7 8	5	
7 8		
8	6	
8		
	7	
9	8	
	0	
		
10	10	
	10	

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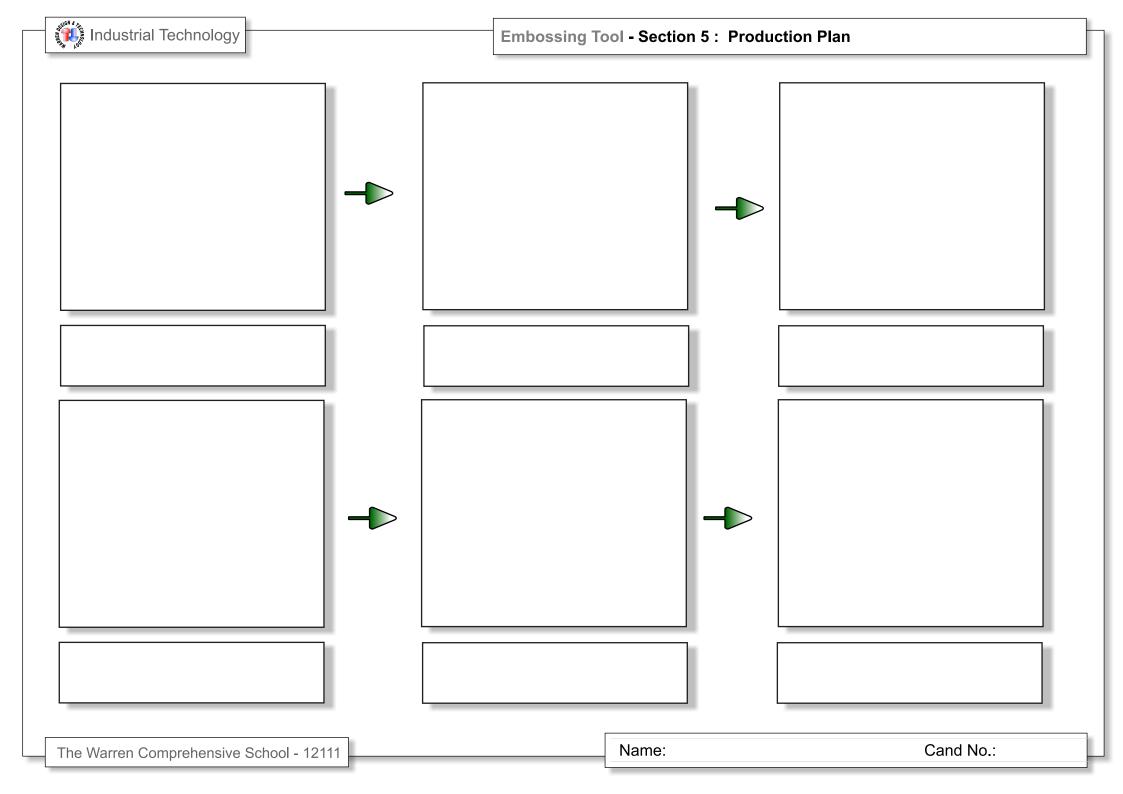
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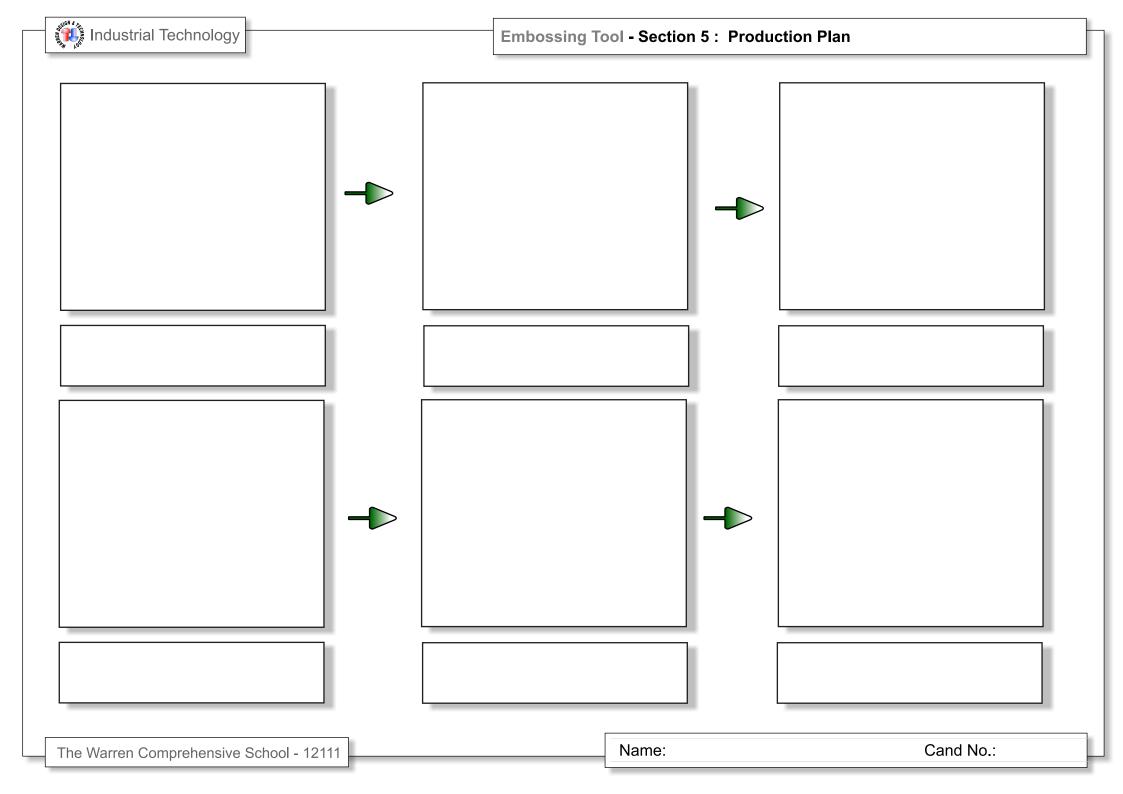
Embossing Tool - Section 4 : Cutting List

Part/Component	Quantity	Length	Width	Thickness	Material	Cost

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Embossing Tool - Section 6 : Evaluation against specification

Specification Points	How my Product compares	1	2	3	4	5
1						
2						
3						
4						
4						
5						
6						
7						
8						
9						
<u> </u>						
10						

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Embossing Tool - Section 6 : Evaluation 2 Problems and Improvements

Problems with Making	Solved By	
	<u>, </u>	
	_	
		How could I have made better use of time, materials and components?
		Thew could rhave made better use of time, materials and components!
<u>I</u>		
Possible improvements as a re	sult of testing and evaluation -	
	·	

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Embossing Tool - Section 6 : Testing

Name:

How testing was carried out	Photographs of testing and results.
Results of testing.	
What did the testing tell me?	
Maintaining quality of the Product during batch production?	