

The Design Need

Design Brief



Injection moulding,
injection moulding tools,
materials and products



Diagrams

How it Works!

Advantages and disadvantages of injection moulding.



Plastic Product -

What is it made from?

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What is it made from?

Plastics used for injection moulding.

[illegible]

Charts

	How it works	
	Good Points	Bad Points

	How it works	
	Good Points	Bad Points

<h2>How it works</h2>	
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<h3>Good Points</h3> <hr/> <hr/> <hr/>	<h3>Bad Points</h3> <hr/> <hr/> <hr/>

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<h3>Good Points</h3> <p>_____</p> <p>_____</p> <p>_____</p>	<h3>Bad Points</h3> <p>_____</p> <p>_____</p> <p>_____</p>

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Specification Points

1

2

3

4

5

6

7

8

9

10

Reasons



Sketches of mechanisms and simple ideas which could be used to work up into the design ideas.



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How it works

Materials which could be used to make the parts:-



How it works

Materials which could be used to make the parts:-



How it works

Materials which could be used to make the parts:-



How it works

Materials which could be used to make the parts:-

[illegible]

I am going to choose idea because -



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

Process	Quality Control Methods	Suitable for Batch Production



How my product and its components would be made in a factory by batch production methods:-

How jigs and templates would be used to batch produce some of the parts.

How quality control methods will be used in the production of my injection moulding tool in the workshop.

How quality control methods would be used in the production of my injection moulding tool if it were to be batch produced.



Model Making - How I made the model (including materials, tools and machines used) -

What worked?

What went wrong?

What changes did I make to my final design idea as a result of model making?

Photographs



Materials Used

Manufacturing Processes?







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Reasons

[illegible]







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How my Product compares

1 2 3 4 5



How testing was carried out

Results of testing.

What did the testing tell me?

Maintaining quality of the Product during batch production?

Photographs of testing and results.