



Manufacturing Cost Estimation

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Cost Estimates for Item; Special Anniversary Bottle Opener 12345rev1

Date; 21/05/08 **Quotation No;** 321

Comprising

1 Level 1 Sub Assemblies
4 Child Parts
To Estimate Level 1

Data supplied by Client

Sketch
Volume Per Year
Basic Material Type

PPM Associates Ltd Standard Terms & Conditions Apply
The validity of the estimate is subject to the accuracy of the data supplied by the Client



Level 1 - Cost Estimate & Analysis Concept

Component Special Anniversary Bottle Opener
Part No 12345 rev1

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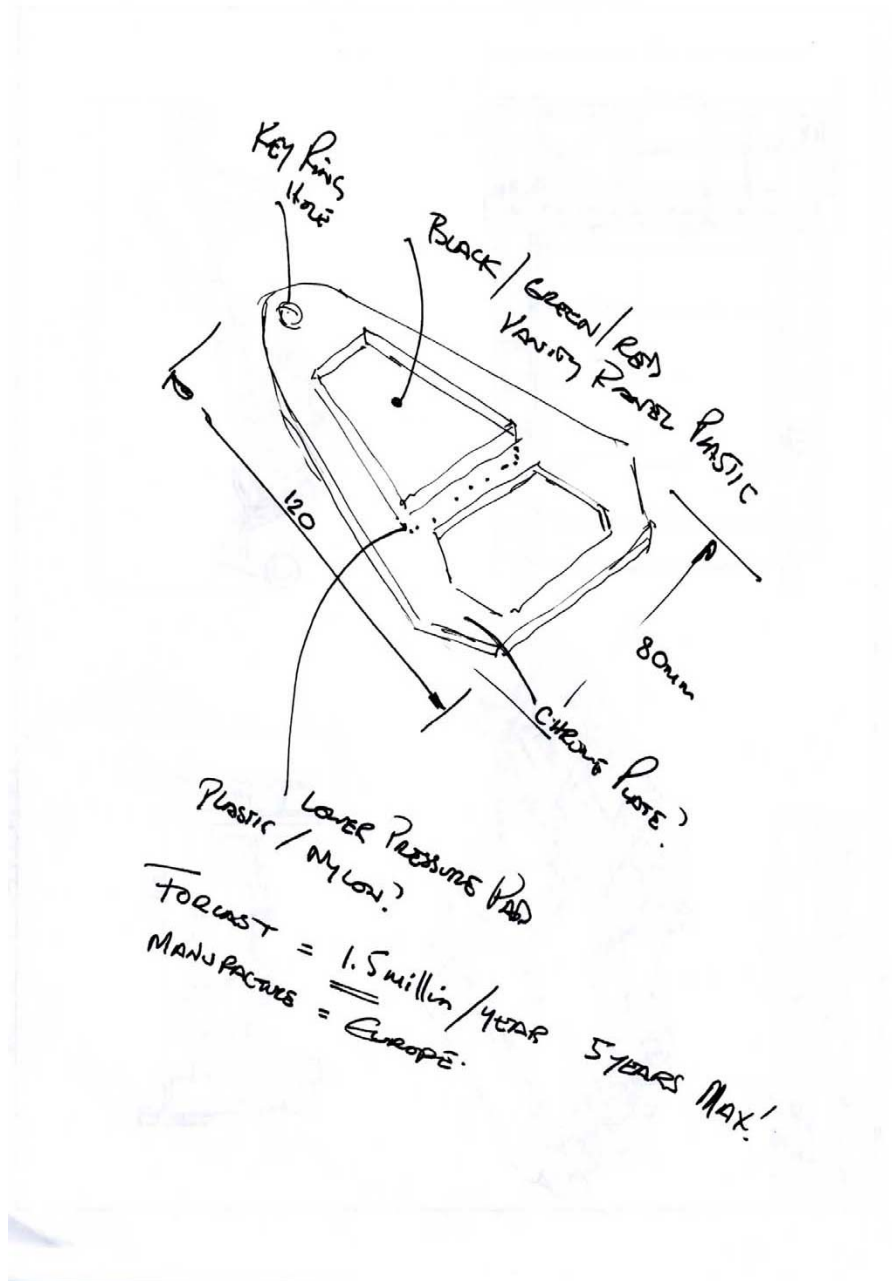
1. Executive Summary

The following report outlines the findings of the technical cost appraisal undertaken by PPM Ltd.

The findings and detail have been calculated from the information supplied, allied to the understanding of component requirements by the relevant estimating engineer.

- The final Level 1 estimate shows an ex works price of €0.8111
- The expectation on accuracy is +/- 5% on current process assumptions.
- Manufacturing process has been taken as 'Not Optimised'.
- No Tooling calculations have been made,
- Tooling estimation can be made for Financial analysis and gate way approval, but does not form part of the original scope of work.
- The major drivers are the assumption of European manufacture with one months stock rotation.

2. Product Data



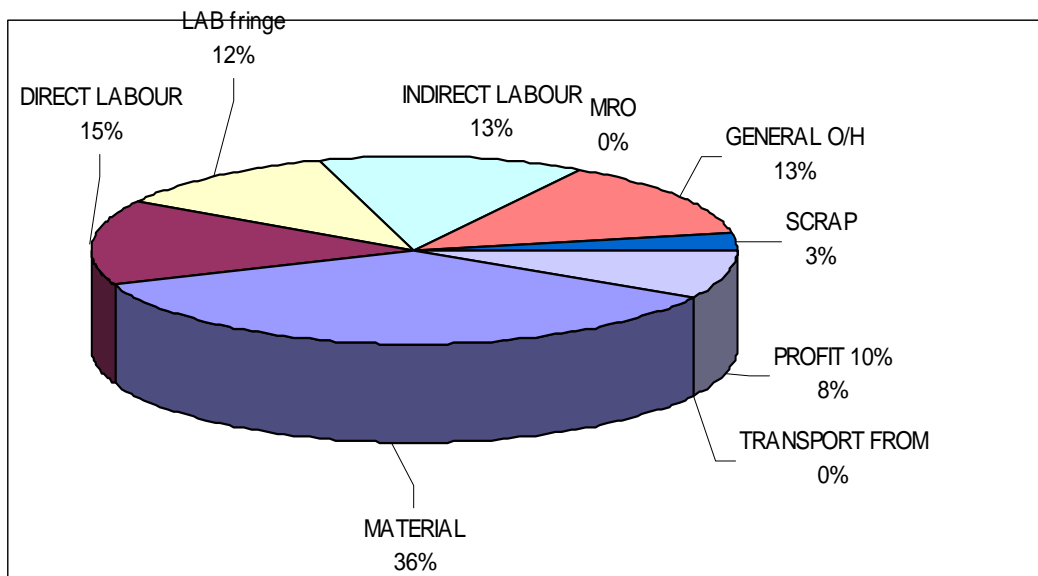


3. Estimate Assumptions

- | | |
|---------------------------------|--|
| 1. Volume Assumption | 1,500,000 Per annum
Batch Size Unkown |
| 2. Manufacturing Base | TBA |
| 3. Component Assumptions | Steel & Plastic |
| 4. General | Profit 10% |

4. Cost summary

COST SUMMARY	
MATERIAL	€0.310
DIRECT LABOUR	€0.128
LAB fringe	€0.102
INDIRECT LABOUR	€0.115
MRO	€0.000
GENERAL O/H	€0.117
SCRAP	€0.024
PROFIT 10%	€0.074
TRANSPORT FROM	€0.000
TOTAL	€0.811



5. Component Estimates

PART NUMBER	BO VP	PART NUMBER	BO F Assy	PART NUMBER	BO Con P	PART NUMBER	BO F
DESCRIPTION OF PART	Bottle Opener VANITY PANEL	DESCRIPTION OF PART	Bottle Opener Pressure Plate	DESCRIPTION OF PART	Bottle Opener Pressing	DESCRIPTION OF PART	FIX
MATERIAL	0.070	MATERIAL	0.051	MATERIAL	0.139	MATERIAL	0.05
DIRECT LABOUR	0.025	DIRECT LABOUR	0.026	DIRECT LABOUR	0.015	DIRECT LABOUR	
LAB fringe	0.020	LAB fringe	0.021	LAB fringe	0.012	LAB fringe	
INDIRECT LABOUR	0.023	INDIRECT LABOUR	0.023	INDIRECT LABOUR	0.013	INDIRECT LABOUR	
MRO	0.000	MRO	0.000	MRO	0.000	MRO	
GENERAL O/H	0.012	GENERAL O/H	0.025	GENERAL O/H	0.070	GENERAL O/H	
SCRAP	0.003	SCRAP	0.003	SCRAP	0.005	SCRAP	0.01
PROFIT 10%	0.015	PROFIT 10%	0.015	PROFIT 10%	0.025	PROFIT 10%	
TRANSPORT FROM	0.000	TRANSPORT FROM	0.000	TRANSPORT FROM	0.000	TRANSPORT FROM	
TOTAL	0.169	TOTAL	0.164	TOTAL	0.279	TOTAL	