

Web and Desktop Applications for Manufact

The screenshot displays the 'Cost Estimating' software interface. The main window shows a table with columns for Estimate, Item Detail, Cost Sources, Summary, Resources, and General. The table lists various project components and their associated costs.

Estimate	Item Detail	Cost Sources	Summary	Resources	General						
*	>	Description	Type	Flat Fee	One Time	Part#	Qty	Ext Qty	Notes	Source	Source Doc
1	0	Total Project Cost	Summary	<input type="checkbox"/>	<input type="checkbox"/>		1.00	1.00			
2	1	Design and Engineering	Manual	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		1.00	1.00		Estimate	
3	1	POWER DRIVE ASSY.	Assembly	<input type="checkbox"/>	<input type="checkbox"/>	XTR500	1.00	1.00			
4	2	COUPLING MOTOR/CLUTCH	Part	<input type="checkbox"/>	<input type="checkbox"/>	1505	1.00	1.00	ALL OTHER		
5	2	MOTOR, 2HP	Assembly	<input type="checkbox"/>	<input type="checkbox"/>	1001	1.00	1.00			
6	3	HOUSING, MOTOR MACHINED	Assembly	<input type="checkbox"/>	<input type="checkbox"/>	2001	1.00	1.00			
7	4	CASTING, MOTOR HOUSING	Part	<input type="checkbox"/>	<input type="checkbox"/>	3501	1.00	1.00			
8	3	ROTOR ASSEMBLY	Assembly	<input type="checkbox"/>	<input type="checkbox"/>	2002	1.00	1.00			
9	4	ROTOR SHAFT MACHINED	Assembly	<input type="checkbox"/>	<input type="checkbox"/>	3004	1.00	1.00			
10	5	STEEL ROD .875	Part	<input type="checkbox"/>	<input type="checkbox"/>	4501	1.00	1.00			
11	4	COPPER, WIRE, E	Part	<input type="checkbox"/>	<input type="checkbox"/>						
12	4	KIT, HARDWARE	Part	<input type="checkbox"/>	<input type="checkbox"/>						
13	5	BOLT FOR ROTC	Part	<input type="checkbox"/>	<input type="checkbox"/>						
14	5	NUT FOR BOLT	Part	<input type="checkbox"/>	<input type="checkbox"/>						

The summary window shows the following data:

Resource Description	Hours/Pct	Amount
Direct Material		129.12
Total Direct Cost		129.12
Direct Labor	84.78	847.84
Total Labor	84.78	847.84
Material Overhad	20.00%	25.82
Mfg. Overhead	150.00%	1,271.76
Eng. Overhead	200.00%	1,695.68
General & Admin	50.00%	1,985.11
Total Overhead		4,978.37
Cost of Money	5.00%	297.77
Total Estimated Cost		6,253.10
Calculated Price		8,129.03
Profit	30.00%	1,875.93

We Specialize in:
ManFact
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Features Summary

- Track customer information, proposal due dates, probability of award, revision level, quote quantity, start date, and starting unit.
- The estimate is developed using a hierarchical structure that allows costs to be rolled-up and reported at various levels.
- A flexible spreadsheet style interface allows the user to easily add and delete items from the estimate, and change the structure of the estimate.
- Define parameters for each resource including: labor rate, mark-up percent, escalation rate, and complexity factor.
- The estimate may be developed for a specified quote quantity, taking into account smaller per-unit setup costs and more favorable prices due to larger purchasing quantities.
- Bills of material may be loaded from the Manfact database and copied into the estimate. Each component of the BOM becomes a line item on the estimate, which may be modified by the user as desired.
- The system stores multiple cost sources for each estimate line item. Cost sources may be entered by the user, or obtained automatically from the Manfact database. Cost sources include purchase order history, vendor quotes, current on-hand quantity, project budgets, standard routings and work order history.
- Initially, the system selects a cost source for each item based on the “best fit”, taking into account the order quantity and the date of the cost source. The user may review the list of cost sources for an item, and select a different cost if desired.
- If a suitable cost source cannot be found for an item, the estimate line is displayed in red indicating that user intervention is required.
- Overhead is calculated automatically based on user-defined overhead pools.
- Cost of Money may be added to the estimate on a percentage basis.
- The system calculates a suggested selling price based on the desired profit percentage specified by the user. Profit requirements may vary by resource code if desired.
- To provide additional reporting flexibility, the estimate may be exported to Microsoft Excel or Microsoft Word.

Estimate Detail

The screenshot displays the 'Estimate Detail' window with a table of items and their associated costs. The 'Summary' window is also visible, showing a breakdown of costs by category.

Item #	Description	Source	Source Doc	Source Date	Source Qty	Inc. Cost	Sub Cost	Total Cost	Inc. Hours	Sub Hours	Total Hours
9	4 ROTOR SHAFT MA	Routing	3004	08/22/00	125.00	289.29	289.29	4.29		4.29	
10	5 STEEL ROD .875										
11	4 COPPER, WIRE, EN										
12	4 KIT, HARDWARE										
13	5 BOLT FOR ROTO										
14	5 NUT FOR BOLT 4										
15	5 WASHER FOR BC										
16	3 GREASE, HI TEMP										
17	3 STATOR ASSY.	Routing	2003	08/22/00	50.00	207.23	1,033.87	1,241.09	3.07	12.61	15.68
18	4 COPPER, WIRE, EN										
19	4 STATOR MACHINE	Routing	3005	08/22/00	100.00	851.42	851.42	12.61		12.61	
20	5 CASTING, STATO										
21	4 NAME/RATING PL	Qty On-hand			4.00	182.45	182.45				
22	3 BEARINGS										
23	2 CLUTCH ASSEMBLY	Routing	1002	08/22/00	50.00	151.07	715.88	866.94	2.24	9.87	12.10
24	3 HOUSING, CLUTCH	Routing	2004	08/22/00	100.00	263.46	263.46	3.90		3.90	

Material %	Labor %	Overhead %	Other %	Material \$	Labor \$	Overhead \$	Other \$
	5.05	4.95			42.86	246.43	
	3.62	3.55		30.70	176.53		
	14.88	14.57		126.14	725.28		
		1.63		101.36		81.09	
	2.64	2.58		22.38	128.69		
	4.60	4.51		39.03	224.43		

Select Cost Sources

The screenshot shows the 'Select Cost Sources' dialog box for Part # 2001, Description: HOUSING, MOTOR MACHINED. It displays a table of available cost sources.

Use This	Don't Use	Source Type	Source Doc	Source Line Item	Source Date	Source Qty	Unit Cost	Setup Hours	Unit Hours
<input type="checkbox"/>	<input type="checkbox"/>	Routing	2001		08/22/00	1.00	1,012.20	4.40	31.82
<input checked="" type="checkbox"/>	<input type="checkbox"/>	W/D History	14		05/02/00	1.00	1,107.04	2.00	32.00



Item Detail

The screenshot displays the 'Item Detail' window for Part # 2001, Description: HOUSING, MOTOR MACHINED. It shows source information and a resource breakdown table.

Resource	Description	Rate	Base Unit Setup Hours	Base Unit Run Hours	Base Unit Setup Cost	Base Unit Cost	Adj. Unit Setup Hours	Adj. Unit Run Hours	Adj. Unit Setup Cost	Adj. Unit Cost
1	LAB Direct Labor	10.00	2.00	32.00	20.00	320.00	2.00	32.00	20.00	320.00
2	MFGOH Mfg. Overhead	150.00			30.00	480.00			30.00	480.00
3	ENG0H Eng. Overhead	200.00			40.00	640.00			40.00	640.00
4	GtA General & Admin	50.00			45.00	720.00			45.00	720.00



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