



## Module Overview

The **Ironbark Bill of Materials** module is utilised by manufacturers to ensure total, detailed control and analysis.

Ironbark Bill of Materials is integrated with Ironbark Job Costing, Customer Orders, and Stock Control modules.

## Industries

- Fresh Produce
- Fuel Distribution
- Project Management
- Timber
- Manufacturing
- Building & Construction
- Wholesale Distribution

## Main Features

- Up to 20 levels of assembly with unlimited components per assembly
- Cost changes in inventory are immediately reflected in all assemblies
- Provision for both explosion and implosion of assemblies
- Interfaces to estimating and sales orders, for production planning and material requirements, and finished goods entry, for each component

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- Routings are attached to BOM's for labour and machine scheduling
- Provision for five (5) decimal places on both quantity and costs
- The Bill of Materials module allows inventory component stock to be 'linked' to give an assembly or sub-assembly. A single sub-assembly may be linked to many other assemblies.
- The assembly is referred to as the 'parent' and components (or sub-assemblies) as 'child'
- The maintenance program allows addition, deletion or changes to any component or assembly
- For each component of an assembly, the quantity and waste factor are entered
- The Sales Orders module, Material Requirements, Finished Goods and repack entry use the bill of materials to update component stock and explode assemblies down to component level
- Ability to merge bills or copy one bill from another
- Includes the function to do a global replace on an item, updating all BOMs with the new item
- Can generate internal work orders with BOM explosions
- Bill of materials cost explosion
- "Where-used" implosion of components
- Production scheduling (routing)
- Provision for five (5) decimal places on both quantity and costs
- Routings are attached to BOM's for labour and machine scheduling



# Module Overview

## Reporting

- Material Requirements report (estimating/sales orders invoicing)
- Works Orders by Part Number report

### Bom005 - Works Orders by Part Number

Company: Flestech (test)  
Printed By: materials  
Printed On: 11/04/2007

Date Range: 01/12/2006 To 11/04/2007  
Item Range: First To Last

Item	Description	Order Num	Seq	Due Date	Ref	Nat	Qty Avail	Min Stock	MTHS Stock	Qty Rem
<b>1088</b>	<b>IOL FPOINT</b>						<b>308.000</b>	<b>221.333</b>	<b>.000</b>	<b>.000</b>
4	Flestech Pty L 000100063654	1	2/02/2007	STOCK			128.000	.000	128.000	
4	Flestech Pty L 000100063655	1	2/02/2007	STOCK			128.000	.000	128.000	
							<b>256.000</b>	<b>.000</b>	<b>256.000</b>	
<b>F910</b>	<b>MR RIDGECAP EXTENDER</b>						<b>-16.000</b>	<b>12.000</b>	<b>.000</b>	<b>.000</b>
4	Flestech Pty L 000100063669	1	20/03/2007	STOCK			8.000	.000	8.000	
							<b>8.000</b>	<b>.000</b>	<b>8.000</b>	
<b>M2GE</b>	<b>PRIMAL 1834MM</b>						<b>10.000</b>	<b>.033</b>	<b>.000</b>	<b>.000</b>
4	Flestech Pty L 000100063688	1	2/03/2007	STOCK			128.000	.000	128.000	
							<b>128.000</b>	<b>.000</b>	<b>128.000</b>	
<b>R2GE</b>	<b>R2GE EMULSION (M2GE)</b>						<b>-120.000</b>	<b>46.000</b>	<b>.000</b>	<b>.000</b>
4	Flestech Pty L 000100063670	1	2/03/2007	STOCK			8.000	.000	8.000	
4	Flestech Pty L 000100063671	1	26/03/2007	STOCK			8.000	.000	8.000	
4	Flestech Pty L 000100063672	1	26/03/2007	STOCK			24.000	.000	24.000	
							<b>8.000</b>	<b>.000</b>	<b>8.000</b>	
<b>N2GE</b>	<b>N2GE EMULSION (C2GE)</b>						<b>-6.000</b>	<b>10.667</b>	<b>.000</b>	<b>.000</b>
4	Flestech Pty L 000100063667	1	2/03/2007	STOCK			8.000	.000	8.000	
							<b>8.000</b>	<b>.000</b>	<b>8.000</b>	
<b>R2GE</b>	<b>R2GE EMULSION</b>						<b>-14.000</b>	<b>13.833</b>	<b>.000</b>	<b>.000</b>
4	Flestech Pty L 000100063668	1	2/03/2007	STOCK			8.000	.000	8.000	
							<b>8.000</b>	<b>.000</b>	<b>8.000</b>	

### BOM003 - Order Scheduling

Scheduling From Date: 01/01/2006 To Date: 11/04/2007

Quantity: 0.00

Type: A Defs (MR, Plant Selected) Location: WIP

Order No	Search	Seq	Type	Customer	Status	Start Date	Due Date	Expected End Date	Qty Selected	Qty Ordered
Locations 0001 (Qty Selected: 41,308,375)										
Locations 0002 (Qty Selected: 626,000)										
Items 8305 (Qty Selected: 24,000)										
Items 8309 (Qty Selected: 19,000)										
Items 8312 (Qty Selected: 24,000)										
Items 8308 (Qty Selected: 19,000)										
Items 8323 (Qty Selected: 20,000)										
Items 8331 (Qty Selected: 42,000)										
Items 8348 (Qty Selected: 20,000)										
Items 8345 (Qty Selected: 22,000)										
Items 8358 (Qty Selected: 21,000)										
Items 8355 (Qty Selected: 109,000)										
Items 8368 (Qty Selected: 22,000)										
Items 8363 (Qty Selected: 21,000)										
00020061369 1389	1 W	STOCK	CLOSED	23/06/2006	23/06/2006	27/06/2006			21.0000	21.0000
00020061288 1389	1 W	STOCK	CLOSED	14/06/2006	14/06/2006	16/06/2006			21.0000	21.0000
00020061913 1376	1 W	STOCK	CLOSED	30/06/2006	30/06/2006	05/07/2006			41.0000	41.0000
00020062292 1379	1 W	STOCK	CLOSED	09/11/2006	09/11/2006	09/11/2006			20.0000	20.0000
00020062706 1394	1 W	STOCK	CLOSED	15/11/2006	15/11/2006	15/11/2006			59.0000	59.0000
00020061715 1376	1 W	STOCK	CLOSED	14/11/2006	14/11/2006	14/11/2006			22.0000	22.0000
Locations 0003 (Qty Selected: 129,000)										
Items 1818 (Qty Selected: 129,000)										
00020061030 1387	1 W	STOCK	CLOSED	15/01/2007	15/01/2007	15/01/2007			129.0000	129.0000

### BOM003 - JOB Bill of Materials Maintenance

Job: 000100000001

Parent Selected: Item: F910 MR RIDGECAP EXTENDER

Unit of Measure: DRUM

Cost of Material: 531.72

Cost of Routings: 0.00

Total Std Cost (from BOM): 531.72

Child Selected: Item: 71 N/A

Work Centre: Offset in Days: 0.00

Quantity: 0.0000000 Unit: DRUM Total: 0.00000 Per: 0.00000 Converted Quantity: 0.00000

Seq	ColumnHe	ColumnHe	ColumnHe	Totals	Per	Converted	Cost / Unit	Offset	ColumnHe
0005	F009	32.00000000	0.00000	32.00000000		32.00000000	216.04	0.00	
0010	F010	32.00000000	0.00000	32.00000000		32.00000000	201.48	0.00	
0015	PREMIX	0.00000	0.00000	0.00000000		0.00000000	0.00	0.00	
0020	C000	15.00000000	0.00000	15.00000000		15.00000000	0.00	0.00	
0025	C013	2.00000000	0.00000	2.00000000		2.00000000	3.90	0.00	
0030	C040	0.27500000	0.00000	0.27500000		0.27500000	3.59	0.00	

### BOM239 - Routing Maintenance

Part Code: 71

Description: BOM Test

UDM: 10KG

Total Hours: 30.000

Material Cost: 5.000

Routing Cost: 81.189

Total Cost: 86.189

Seq: 1

Plant Hours: 15.000

Plant Cost: 81.189

Rate: 1.000

Labour Hours: 15.000

Labour Cost: .000

Work Centre: 1

Unit Total: 81.189

Machine Type: FLO01

Floor Cleaning Equipment

Cost Factors: Setup Time: 12.00000 Plant Hour: 3.00000 Labour Hour: 3.00000

Personne: 1.0 Labour Code: 501

Seq	Work Center	Description	Plant Hours	Plant Cost	Labour Hours	Labour Cost	Total Hours
1	1	Assembly Test, Fok	15.000	81.11	15.000	0.00	30.000

### BOM304 - Bill of Materials Enquiry

Location: 0001 Flestech Pty Ltd

Parent: 3010 WALL N FLOOR 1 POT

Show Routing: Qty to make: 1.00

Seq	Description	Units	Qty	Cost	Total
010	WALL N FLOOR 1 POT	BUCKET	1.00000	32.45257	32.45257
001	ONE POT PREMIX1	EACH	0.0000	0.0000	0.0000
002	PREMIX	EACH	0.0000	0.0000	0.0000
003	F010	KG	4.16667	2.13000	9.12501
004	F009	KG	7.0000	2.37000	1.77250
005	C058	KG	0.0375	7.90000	0.2963
006	PREMIX	EACH	0.0000	0.0000	0.0000
007	F10	KG	4.16667	2.9000	1.20833
008	FL2	KG	1.66667	2.7000	4.5000
009	PREMIX	EACH	0.0000	0.0000	0.0000
010	ONE POT PREMIX2	EACH	0.0000	0.0000	0.0000
011	PREMIX	EACH	0.0000	0.0000	0.0000
012	F010	KG	4.16667	2.13000	9.12501
013	F009	KG	0.0000	2.37000	0.0000
014	C058	KG	0.0375	7.90000	0.2963
015	PREMIX	EACH	0.0000	0.0000	0.0000
016	F10	KG	4.16667	2.9000	1.20833
017	FL2	KG	1.66667	2.7000	4.5000
018	PREMIX	EACH	0.0000	0.0000	0.0000
019	ONE POT PREMIX1	EACH	0.0000	0.0000	0.0000
020	ONE POT PREMIX2	EACH	0.0000	0.0000	0.0000
021	C007	KG	0.83333	5.35000	4.46667
022	FOAMASTER 8034 (180KG) (472079)	EACH	0.0000	0.0000	0.0000
023	PREMIX	EACH	0.0000	0.0000	0.0000
024	UNITED	EACH	0.0000	0.0000	0.0000

Full Service Provider  
Proven Solutions  
Committed to R & D  
Significant and Varied  
Customer Base

