



# 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

**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

Notes: Work Centre: Offset in Days: 0.00

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

Seq	ColumnHe...	ColumnHe...	ColumnHe...	Totals	Per	Converted	Cost / Unit	Offset	ColumnHea...
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	0.00000		0.00000	0.00	0.00	
0020	CO00	15.00000000	0.00000	15.00000000		15.00000000	0.00	0.00	
0025	CO13	2.00000000	0.00000	2.00000000		2.00000000	3.90	0.00	
0030	CO40	0.27500000	0.00000	0.27500000		0.27500000	3.59	0.00	

**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
B010	WALL N FLOOR 1 POT	BUCKET	1.00000	32.45257	32.45257
ONE POT PREMIX1		EACH	0.0000	0.0000	0.0000
PREMIX	PREMIX	EACH	0.0000	0.0000	0.0000
F010	FLEX4 10	KG	4.16667	2.19000	9.12501
F009	FLEX4 99	KG	7.0000	2.37000	1.77250
CO58	THOR ACTICIDE	KG	0.0375	7.90000	0.2963
PREMIX	PREMIX	EACH	0.0000	0.0000	0.0000
F10	O/CARB 10 25KG PB (0H10425)	KG	4.16667	29.000	1.20833
FL2	O/CARB 40 25KG PB (0H40425)	KG	1.66667	27.000	4.50000
PREMIX	PREMIX	EACH	0.0000	0.0000	0.0000
ONE POT PREMIX2		EACH	0.0000	0.0000	0.0000
PREMIX	PREMIX	EACH	0.0000	0.0000	0.0000
F010	FLEX4 10	KG	4.16667	2.19000	9.12501
F009	FLEX4 99	KG	0.0000	2.37000	0.0000
CO58	THOR ACTICIDE	KG	0.0375	7.90000	0.2963
PREMIX	PREMIX	EACH	0.0000	0.0000	0.0000
F10	O/CARB 10 25KG PB (0H10425)	KG	4.16667	29.000	1.20833
FL2	O/CARB 40 25KG PB (0H40425)	KG	1.66667	27.000	4.50000
PREMIX	PREMIX	EACH	0.0000	0.0000	0.0000
ONE POT PREMIX1		EACH	0.0000	0.0000	0.0000
ONE POT PREMIX2		EACH	0.0000	0.0000	0.0000
CO07	FOAMASTER 8034 (180KG) (472079)	KG	0.0333	5.35000	4.6892
PREMIX	PREMIX	EACH	0.0000	0.0000	0.0000
UNATED		ITD	0.7222	0.0000	0.0000

**Bom005 - Works Orders by Part Number**

Date Range: 01/12/2006 To 11/04/2007

Item	Description	Order Num	Seq	Due Date	Ref	Nat Qty Avail	Nat Min Stock	MTHS Stock	Qty Rem
1088	BOL FPOINT					308.000		221.333	0.000
4	Flestech Pty L	000100063654	1	22/02/2007	STOCK	128.000	0.000	128.000	128.000
4	Flestech Pty L	000100063655	1	27/02/2007	STOCK	128.000	0.000	128.000	128.000
						256.000	0.000	256.000	256.000
1910	MR RIDGECAP EXTENDER					-16.000		12.000	0.000
4	Flestech Pty L	000100063669	1	20/03/2007	STOCK	8.000	0.000	8.000	8.000
						8.000	0.000	8.000	8.000
M2GE	PRIMAL 1834MM					10.000		0.333	0.000
4	Flestech Pty L	000100063688	1	22/03/2007	STOCK	128.000	0.000	128.000	128.000
						128.000	0.000	128.000	128.000
R2GE	R2GE EMULSION (M2GE)					-120.000		46.000	0.000
4	Flestech Pty L	000100063670	1	21/03/2007	STOCK	8.000	0.000	8.000	8.000
4	Flestech Pty L	000100063671	1	26/03/2007	STOCK	8.000	0.000	8.000	8.000
4	Flestech Pty L	000100063672	1	26/03/2007	STOCK	24.000	0.000	24.000	24.000
						24.000	0.000	24.000	24.000
R2GE	R2GE EMULSION (C2GE)					-6.000		10.667	0.000
4	Flestech Pty L	000100063667	1	21/03/2007	STOCK	8.000	0.000	8.000	8.000
						8.000	0.000	8.000	8.000
R2GE	R2GE EMULSION					-14.000		13.833	0.000
4	Flestech Pty L	000100063668	1	21/03/2007	STOCK	8.000	0.000	8.000	8.000
						8.000	0.000	8.000	8.000

**BOM024 - 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	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: 14.000)									
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	1385	1 W	STOCK	CLOSED	10/11/2006	10/11/2006	10/11/2006	22.0000	22.0000
00020064275	1374	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

**BOM239 - Routing Maintenance**

Part Code: 37

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: 0.000

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

Offset: 2.000

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

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

