

Reconf gures

Enables the ef ect ve conversion of items into a saleable kit with full cost and forecast ng visibility



EXECUTIVE SUMMARY

Reconf gure one or many items into a single separate item or SKU

Customer specif c conf gurat ons

Accurate and transparent cost ng

Account for addit onal costs of packaging, labour and recoveries

Include subcontract charges using Procurements

Enterprises do not always require complex manufacturing solutons, but do need a simple and managed process that combines several components such as stock items, packaging, labour, transport and other addit onal charges to build saleable units, with all the costs rolled up into the fnished product.

Reconf gures is a simple conversion of stock items and other added value items into a saleable product SKU. This is done by using an opt onal bill of material (BOM) with the opt onal incorporat on of out-plant operat ons linked via a purchase order.

Reconf gures tightly integrates into purchasing, inventory, sales, backorder processing and forecast ng funct onality.

Planning tools are used to ensure that components are available when required.

Available stock can be issued when the reconf gure is created and the balance placed on backorder.

Reconf gures can be created for stock holding or created against customer backorders. Work-in-progress is updated throughout the process providing accurate measurement of accumulated costs.



Cost rollups are accurate and transparent. There are multiple enquiries and reports showing costs and recoveries.

Average, FIFO and Standard cost ng methods are updated and are available at all tmes.

Forecast ng uses the demand created by the components rather than the fnal saleable product for procurement planning.

This module is used extensively by a number of Embrace clients for handling motor industry spares, kit packaging, decant ng of liquids, repackaging of bulk items, and customising products such as belts and paper for end users.

Embrace Customers use Reconf gures for :

Assembling of individual items into ready to sell kits instead of picking and packing those individual items as orders are received.

Streamlining and creat ng an ef ect ve process to assemble stock / parts into saleable items.

Visibility and traceability of costs and quant es making up that saleable item to make sure all costs are taken into considerat on when calculat ng selling prices.

Accurate planning and execut on of specif c items to be conf gured and built for sales.



Reconfigures

<u>Features</u>	<u>Benefits</u>
Assemble Saleable Items	Implement a manufacturing process without all the overheads of a full manufacturing system. Individual component SKU's are built up into a finished product SKU, either for stock or directly for sales orders.
Reconfigure Job	Using a Bill of Material or on-the-fly assemblies use predefined units such as stock, labour, subcontract work, consumables to make a finished product.
Planning	Plan what can be made with what is available using the inventory and reconfigure enquiries.
Integration to Purchasing	If outwork (sub contract) costs need to be directly allocated to the job this is seamless and controlled
Demand Management	Procurement can use the demand generated by the sub components and not the final product to generate the planned purchase orders
Integration to Financials	Integrates and updates inventory, financials and costing details online and real time.

For more information on any of our products or services please visit us on the web at

www.embrace.co.za

or contact your Embrace Account Manager or Sales Representative.

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Reconfigure Highlights

PRODUCT
Inventory

RELATED PRODUCTS

Sales
Purchasing
Pricing and Costing
General Ledger
Forecasting

Planning

Real time enquiries and reports can be used to plan what materials are required for the reconfures. If a BOM is available for the finished product all components are displayed immediately.

Reconfigure Material Required Enquiry

Product Number: V0000 | VALVE RECONFIG
 Requested Quantity: 1000.000 | Unit: EA | Unit Cost: 42.42
 Max Packed Quantity: 27.000 | Costing method: Average

Item	Issue Description	On Hand	Unit Qty	Unit Cost	Unit	Quantity	Total Cost
1*	VALVE BODY	32.000	1.000	24.039	EA	1000.000	24039.00
2*	VALVE BALL	31.000	1.000	9.615	EA	1000.000	9615.00
3*	VALVE SEAL KIT	27.000	1.000	4.808	EA	1000.000	4808.00
4*	VALVE NUT&BOLT 2 CM	708.000	4.000	0.990	EA	4000.000	3960.00
							42422.00

Reconfigure Where Used Enquiry

Component: V2000 | VALVE BALL | Number of Items: 2

Item	Parent Part	Description	Quantity	Unit
1	V0000	VALVE RECONFIG	1.000	EA
2	V0000B	VALVE RECONFIG BREAK PACK	0.000	EA

Reconfigure Entry and Maintenance

Each time a reconfigure is created a preconfigured Bill Of Material can be used, either as a forced set of components or as an optional guide. The Bill is a list of parts with quantities, associated operations and any additional charges or comments. The flexible Bills of Material can be optionally modified for specific jobs. If no Bill of Material exists for a specific reconfigure SKU, the BOM can be created on the fly by entering all the components and associated charges.

Detail Reconfigure Enquiry

Reconfigure No: RCAS2000011 | Supplier: 2000002 | Supplier 2 - LOCAL
 Product No: V0000 | Unit: EA | Status: OPEN
 Ordered Qty: 10.000 | Received Qty: 1.000
 Closed Qty: 1.000 | Unit Cost: 264.000

Header Details

Total Reconfigure Cost	2640.00
Total Issued Cost	2640.00
Total Inv. Cost	264.00
Closing Variance	

Issues: AS20 1 | Goods Rec: Batch

Detail Reconfigure Enquiry

Reconfigure No: RCAS2000011 | Supplier: 2000002 | Supplier 2 - LOCAL
 Product No: V0000 | Unit: EA | Status: OPEN
 Ordered Qty: 10.000 | Received Qty: 1.000
 Closed Qty: 1.000 | Unit Cost: 264.000

Issues

It	Ty	Description	Unit	Recon Qty	Used Qty	Bo	Actual Qty	Unit Cost
1	P	VALVE BODY	EA	10.000	1.000		10.000	25.000
2	P	VALVE BALL	EA	10.000	1.000		10.000	10.000
3	P	VALVE SEAL KIT	EA	10.000	1.000		10.000	5.000
4	P	VALVE NUT&BOLT 2 CM	EA	40.000	4.000		40.000	1.000
5	O	VALVE OUTWORK - FL...	10.000	1.000		10.000	200.000	
6	A	Miscellaneous Charge	10.000	1.000		10.000	200.000	

Reconfigure Enquiry By Product

Product: V0000 | VALVE RECONFIG

It	Reconfig No	Supplier Number	Exp Date	Order Qty	O/S Qty	Ext Cost	S
1	RCAS2000011	2000002	27-03-07	10.000	9.000	2640.00	O
2	RCAS2000012	2000002	29-03-07	2.000	2.000	528.00	O
3	RCAS2000013	2000002	29-03-07	3.000	3.000	192.00	O
4	RCAS2000014	2000002	30-03-07	3.000	3.000	792.00	O
5	RCAS2000015	2000002	29-04-07	1.000	1.000	264.00	O
6	RCAS2000020	2000003	05-02-08	100.000	100.000	6242.20	O

Detail Reconfigure Enquiry

Reconfigure No: RCAS2000011 | Supplier: 2000002 | Supplier 2 - LOCAL
 Product No: V0000 | Unit: EA | Status: OPEN
 Ordered Qty: 10.000 | Received Qty: 1.000
 Closed Qty: 1.000 | Unit Cost: 264.000

Goods Received

Item	GRV Number	Product Number	Date	Recvd Qty	Actual Qty	F/C
1	AS2000058*001	V0000	27-03-07	1.000	10.000	F
2	AS2000056*001	Outplant	27-03-07	10.000	10.000	O

Costing

Full costing is processed for each reconfigure process. The cost of components, outwork, labour and any defined charges will determine the final cost of the finished product SKU.

Various user defined charges can be included such as Product on Fees, Delivery Fees, Overhead recoveries, Consumables and Machine Time recoveries. These charges are added to the BOM for processing and can be expressed as percentages of related charges or as fixed amounts per units produced.

Finished Product and Component Receipt

Finished product receipts record both the quantity of finished products which have been made and allow for components that were not used to be taken back into stock. Amendments to additional charges can be processed and by-products can be received into stock.

Documentation

Customer documentation can be output to a Printer (eye-line or laser), Fax, Email or document archival folders with Picking Slips, Picking Instructions, Issue Notes and Goods Received Vouchers, all being produced either individually or in batch mode.



Reconfigure Highlights

Integration

The reconfigure sub-system is tightly knit with all other modules of Embrace:

Purchasing to handle and account for direct purchases of components and subcontract operations. Track the issue of components to a supplier or subcontractor for external work to be performed.

Inventory system controls backordering, picking and issuing of components and the receiving of finished products.

Sales orders allows for specific customer reconfiguring for a specific customer order.

Simple manufacturing processes can be implemented using reconfigure to allow for the ongoing production of finished good SKU's for stock holding.

The Price book is used for calculating and maintaining cost and selling price changes. Using the Bill of Material for a product based on current component costs, either Standard, Average or FIFO depending on the costing method used, plus any Outwork and charges, and both provide a new finished cost and suggested selling price.

Demand management and forecasting of both finished goods SKU's and component SKU's. Demand is tracked at the subcomponent level and planned by DRP.

General ledger is updated with inventory and work in process transactions.

Enquiries

Multiple enquiries are available for planning, tracking the progress of the reconfigure, Work on progress, Reconfigure costing. Some examples are:

Reconfigure transactions by part / product number, supplier number / name, reconfigure number

Kardex will show all issues to reconfigure and component and finished goods receipts
Stock status—Heart of Embrace shows Reconfigure in process and drills down to details

Reconfigure Material Required and Reconfigure Where Used

Forecasting Enquiries

Reporting

Extensive reporting is available including outstanding reconfigure by supplier and product, reconfigure work in progress valuations in summary and detail, outstanding reconfigure with bills of material and reconfigure component shortages report.

Security, User Interface and Configuration

Full auditability and user security is available. Selected users can be prevented from accessing sensitive information such as costs, however be able to perform their function easily. Users / Administrators can tailor screens and menus to meet design and policy requirements. Due to the elastic nature of the application, length and type of fields are easily modified allowing unique company requirements to be met.

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Stock Status Enquiry

Product: V0000 VALVE RECONFIG
Category: CMK Extra Desc: Uom: EA Ans: 101

Stock Status - Quantity					
On Hand	53.000	Assign/Dam	0.000	On Order	0.000
Reserved	0.000	Available	53.000	In Transit	0.000
Picked	0.000	Backorder	0.000	In Process	118.000
Committed	0.000	Allocated	0.000	Planned	0.000

Work In Process Details					
Item	Doc Number	Doc Date	PO Number	Supplied By Name	Expected Qty
1	RCAS2000011	27-03-07	AS2000037	SUPPLIER 2 - LOCAL	9.000
2	RCAS2000012	29-03-07	AS2000039	SUPPLIER 2 - LOCAL	2.000
3	RCAS2000013	29-03-07		SUPPLIER 2 - LOCAL	3.000
4	RCAS2000014	30-03-07	AS2000041	SUPPLIER 2 - LOCAL	3.000
5	RCAS2000015	29-04-07	AS2000043	SUPPLIER 2 - LOCAL	1.000
6	RCAS2000020	03-02-08		INTERNAL RECONFIGURES	100.000

Product Movements Enquiry

Product: V0000 VALVE RECONFIG
Description: VALVE RECONFIG
Default Unit: EA
Prod Category: CMK PARTS

All Transactions							
Item	Tr	Description	Doc Date	Lot	Cost	Quantity	Balance
1		Opening balance					0.000
2	59	Reconf Finished Rec	27-03-07		264.000	1.000	1.000
3	59	Reconf Finished Rec	03-05-07		64.000	10.000	11.000
4	59	Reconf Finished Rec	09-05-07		264.000	10.000	21.000
5	59	Reconf Finished Rec	10-05-07		264.000	10.000	31.000
6	46	Reconfigure Issue	15-05-07		199.484	-2.000	29.000
7	34	Works Receipts	07-02-08		200.000	10.000	39.000
8	59	Reconf Finished Rec	07-02-08		62.422	10.000	49.000
9	59	Reconf Finished Rec	07-02-08		62.425	2.000	51.000
10	59	Reconf Finished Rec	07-02-08		126.230	2.000	53.000
11		Closing balance					53.000

RELATED SERVICES

Embrace Support Representatives can assist with designing solutions and implementing additional requirements
Application Support through the ACS Support Centre
Embrace Training

For more information on any of our products or services please visit us on the web at

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