InterAcct for Manufacturing
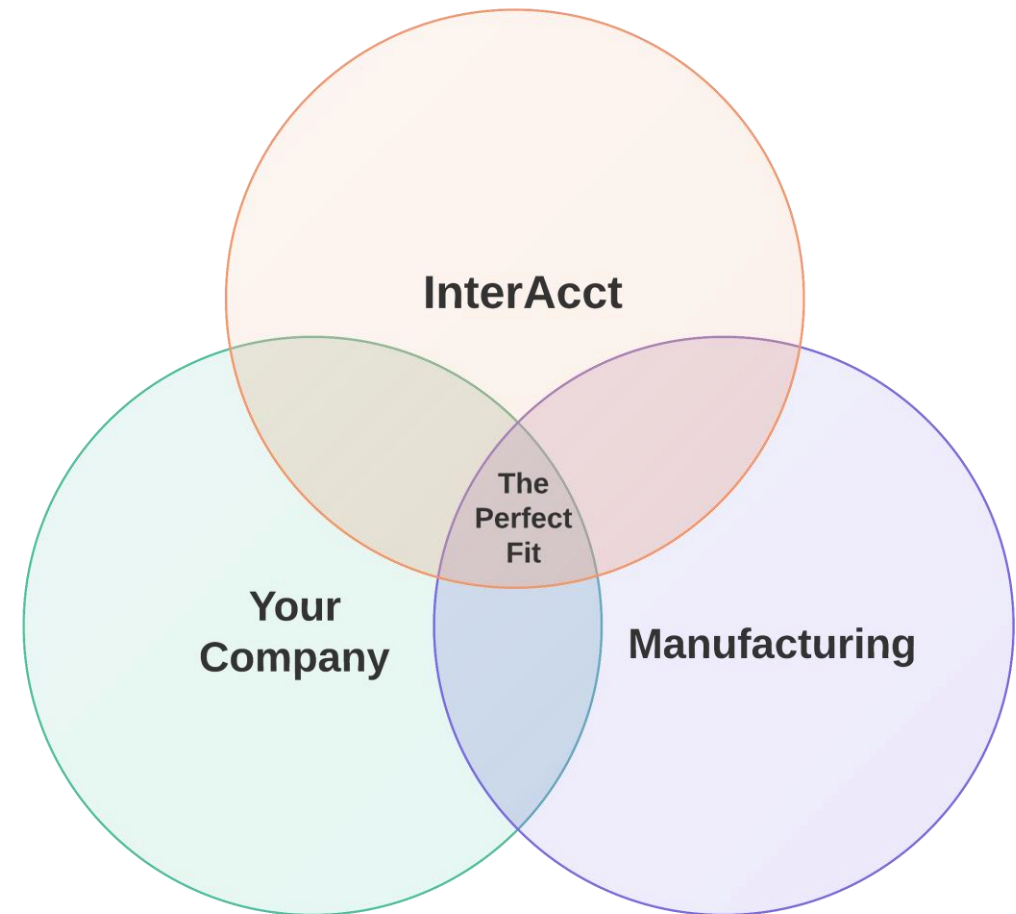
InterAcct for Manufacturing

Why InterAcct?

☑ **Bill of Materials**   Multi-Level - Sub Assemblies

☑ **Production Processes**   Labour and Machine Capacity Planning

☑ **OH&S & QC**   Safety and Quality Control considerations

☑ **Document Register**   Link to drawings, specifications, and Photos

☑ **Production Jobs**   Automatic job accounting processes

☑ **Kit Conversion**   Option of a simple manufacturing system also for a lessor cost

InterAcct

The Perfect Fit

Your Company

Manufacturing

Manufacturing - Bill of Materials

A Three simple steps to get started to create your Bill of Materials

B Production jobs can be to satisfy Sales Backorders or for Stock

C Gross and Net Material requirements are shown

Manufacturing Flow Chart

'InterAcct offers two options of a full Manufacturing system, and/or a simple production system'
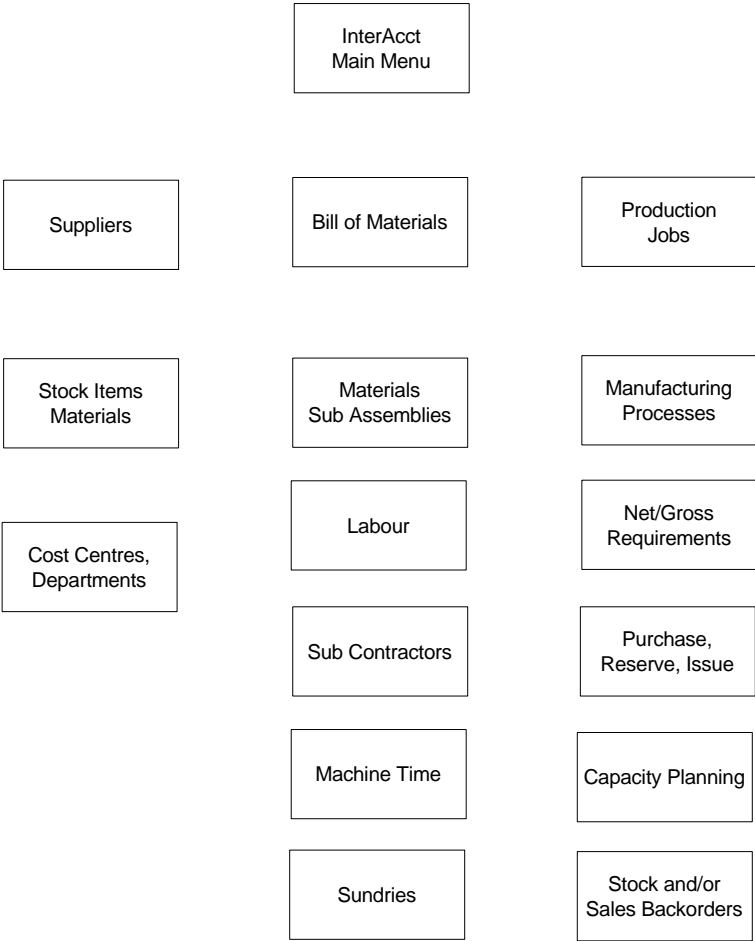
Bill of Materials:
Material requirements, labour, machines, sub-contractors, and sundries

Production:
Net and Gross Material Requirements, purchasing, reserve stock, auto issue

Fully Automatic Option:
Based on the actual finished product produced - post all related cost factor accounting transactions

	InterAcct Main Menu	
Suppliers	Bill of Materials	Production Jobs
Stock Items Materials	Materials Sub Assemblies	Manufacturing Processes
Cost Centres, Departments	Labour	Net/Gross Requirements
	Sub Contractors	Purchase, Reserve, Issue
	Machine Time	Capacity Planning
	Sundries	Stock and/or Sales Backorders

Key Features & Advantages

	Feature :	Advantage :	Base?
Multi-Level	A Bill of Materials can be created with product material items and sub-assemblies	Sub-Assemblies may also be multi-level and have their own Bill of Materials	Option
Cost Factors	The cost to manufacture an item can be any combination of Operations involving Labour, Machine Time, and Sub Contractors, plus Materials & Sundries	Integration with the Materials/Products Database, plus Suppliers and Sub Contractors. Shows stock balance available	Option
Make Instructions	Free format notes area	Prints on reports	Option
Quality Control	Tests and results required	Maintain tight quality control factors	Option
Drawings, Photos	Link to various related documents	View drawings, specification documents, etc.	Option
Sales or Stock	Production jobs can be linked to sales backorders, and/or for stock replenishment	Update sales order of when production expected to be complete	Option
Net Requirements	The system calculates the gross and net material requirements	Also shows a cutting list (from sheets)	Option
Purchase	Can create auto purchase orders for Materials	Reduce admin time	Option
Reserve Stock	Can reserve stock for future production jobs	Make sure materials are available when required	Option
Check Available	Can check when all materials are now available to be issued - so that production can start	What remains to be received?	Option
Auto Issue	Can process stock issues of materials to the production job automatically	Reduce admin time	Option

Screen 1: Setup Supplier Database

Supplier Database:

Before you can add details on your Materials (Products) and create your Bill of Materials, you must first set up the database of your Suppliers.

- ✓ You can view a list of product/materials by Supplier
- ✓ Suggested re-order reporting is also by Supplier and product

Screen 2: Materials, Sub-Assemblies, Products

Products/Materials Database:

The second step is to create your database of:

- ✓ Materials
- ✓ Sub-Assemblies
- ✓ Finished Products

For those products that are made by you (you are the default Supplier), you can view:

- ✓ Bill of Materials (Manufacturing)

For material component products you can view where that material is used in a Bill of Materials

Screen 3: Bill of Materials

Bill of Materials:
You can create a Bill of Materials for any standard production quantity (batch size). A summary of the costs are shown by Cost Group.

Operations can be grouped by production department and can include :

- ✓ Direct labour (by Class)
- ✓ Machine time
- ✓ Sub-Contractors

Other costs would normally include Materials and Sundries (overheads).

One Bill of Material (BOM) can be copied to make another.

Screen 4: Materials Required

Materials Required:

Materials can include both purchased and made (sub-assemblies).

Units of measure might include :

- ✓ Each
- ✓ Square (M2)
- ✓ Cubic (M3)
- ✓ Linear (e.g. 3/1.2, 4/6.5,)

A wastage % can be added.

It shows the current stock on hand position, and what might be required to purchase to make the production quantity

Screen 5: Materials Required - Sheets Cut - Spoilage

Cut Sheets:
InterAcct provides for cutting from a length or sheet.

To aid in optimizing the lowest spoilage %, it calculates how many of a certain size sheet will be required for a cut out size and the maximum that can be cut from a single sheet.

Screen 6: Sundry Costs

Sundry Costs:
There is the option to calculate overheads based on your direct labour, or across all cost items.

In addition, you can add sundry costs (such as packaging) on either a fixed or variable cost basis.

Screen 7: Production Job - Stock/Sales Orders

Production Jobs:
A job is created when you wish to schedule production, or indeed plan on what materials may need to be purchased for a future job.

A production job may be required to:

- ✓ Satisfy one or more customer sales backorders, and/or
- ✓ For stock replenishment

Screen 8: Manufacturing Processes

Manufacturing Processes:
Under the production job, this is the central menu that controls all the processes:

- ✓ Create the job estimate. Copies the Bill of Materials over and multiplies the job production quantity to calculate gross and net material requirements
- ✓ Auto raise purchase orders for materials
- ✓ Auto raise Works Orders for Sub Contractors
- ✓ Check when all materials are in stock
- ✓ Auto Issue materials from stock

You can also view the Operations Summary to see :

- ✓ Labour requirements - resource planning
- ✓ Machine requirements - capacity planning

Report: Multi Level by Operation

Reports can be personalised to suit your requirements

Report: Bill of Materials

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BILL OF MATERIALS : Sample Finished Good Item (Manufactured)

	Based on Qty 1		Page : 1
Stock Code : FG-ITEM	Total Cost $ 2375.58		Printed : 07/04/2015
Stock Group : MAKE.FG	Total Sell $ 3704.16		: 1:02:35 PM

Stock Required

Product Description	Units	Net Qty	Waste %	Req Qty	Unit Cost$	Cost $
25MM 2x INSULATED LOW SMOKE 100M Roll	LM	6.6000	5.00	6.6000	6.8939	45.50
Pull Handle for Drawer	LM	14.6000	0	14.6000	9.9000	144.54
Gravity Roller Conveyor, 464mm	EACH	3.0000	0	3.0000	182.6088	547.83
HardieFlex Sheet 4.5MM – 2400 X 900	M2	4.3200	0	4.3200	18.5400	80.09
BAC Trolley, 1025 X 1010 X 755 (600 Usable)	EACH	2.0000	0	2.0000	435.1000	870.20
Total for Stock Required						**$ 1,688.16**

Operation Costs - Labour/Machines/Subbies

Order	Operation Cost Description	Labour				Subbies		Machines				
		People	Mins	Hours	Cost $	Supplier	Cost $	Run	Setup	SetDown	Hours	Cost$
005	CAD Design Phase											
	CAD	1	90.00	1.5000	52.50							
010	Prepare for Production											
	L/HAND	1	15.00	0.2500	10.00							
020	Cut Materials to Length											
	F/HAND	2	180.00	6.0000	180.00							
	TEST-MAC							180.00	15.00	15.00	3.50	70.00
040	Finish Material Items											
	FABRICATE using ADETURAR					FABRICATE	150.00					
050	Assemble Item											
	APPRENT	2	60.00	2.0000	56.00							
	TEST-MAC							60.00	10.00	10.00	1.33	26.67

Report: Production Job - Cutting List

Bill of Materials List for Sample Finished Good Item (Manufactured)

Production Job No : **100020**
Stock Code : FG-ITEM
Stock Group : MAKE.FG
Stock Required for

Based on Qty　　　10

Page : 1
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Product Description	Code	Unit	BOM Qty	Available	Order Qty	Make Qty
Gravity Roller Conveyor, 464mm	CONV-COLBY/464MM	EACH	90.000	0.0000	90.0000	
BAC Trolley, 1025 X 1010 X 755 (600 Usable)	BAC-TA.840-6C	EACH	40.000	0.0000	40.0000	
25MM 2x INSULATED LOW SMOKE 100M Roll	ZDXU179202-100	LM	165.000	38.2500	126.7500	
HardieFlex Sheet 4.5MM – 2400 X 900	SHEET-HFS/4.5,2400	M2	0	1.3800	0.0000	
Pull Handle for Drawer	DRAWER-PULL-HAND	LM	146.000	0.0000	146.0000	
Gravity Roller Conveyor, 464mm	CONV-COLBY/464MM	EACH	30.000	0.0000	30.0000	
BAC Trolley, 1025 X 1010 X 755 (600 Usable)	BAC-TA.840-6C	EACH	20.000	0.0000	20.0000	
25MM 2x INSULATED LOW SMOKE 100M Roll	ZDXU179202-100	LM	66.000	38.2500	27.7500	
HardieFlex Sheet 4.5MM – 2400 X 900	SHEET-HFS/4.5,2400	M2	43.200	1.3800	41.8200	
Length : 2400 - Width : 800 (20 needed)	*SHEET-HFS/4.5,2400*	*Sheet*	*20*	*-2.0000*	*22.0000*	
Pull Handle for Drawer	DRAWER-PULL-HAND	LM	614.000	0.0000	614.0000	
	SHEET-HFS/4.5,2400		86.400	1.3800	85.0200	

InterAcct Pricing (Per User)

Users	Base InterAcct	Job Costing, Estimating, Quoting (A)	Costing by Phase (B)	Building Repairs, Insurance Claims (C)
1	$1,650 (15-25)	+ $550 (10)	+ $385 (5)	+ $275 (2-3)
2-3	$1,100 (20-30)	+ $550 (10)	+ $385 (5)	+ $275 (2-3)
4	$825 (20-30)	+ $413 (10)	+ $275 (5-8)	+ $207 (2-3)
5-9	$660 (25-35)	+ $330 (10-15)	+ $220 (5-8)	+ $165 (3-5)
10-19	$550 (30-40)	+ $303 (10-15)	+ $193 (5-8)	+ $138 (3-5)
20-49	$440 (40-60)	+ $275 (10-15)	+ $165 (10-15)	+ $110 (3-5)
50+	$385 (50-75)	+ $253 (15-25)	+ $143 (10-20)	+ $99 (5-10)

Software Pricing

Software Pricing is per Computer Network "User" as defined in the above table. The optional software modules (e.g. Job Cost Estimating) require the Base InterAcct as well, and are purchased based on the number of base Network Users. Prices are all ex GST.

+ Annual Support Pricing

Yearly support is calculated at 20% of purchase price, with no CPI annual increases. Support is reduced by 30% after 3 years. For example a single User (with just the base InterAcct) would be ($1,650 x 20%) = $330

+ Implementation & Training Budget

The (Number) denotes the estimated min/max hours of Implementation & Training required in the budget per installation / module (not per User).   Implementation / training "Advanced" is currently charged at the average rate of $180 per hour.

Modules

There is a wide variety of software modules available for purchase, talk to InterAcct staff about your specific software needs.

Request a Cost Estimate:

InterAcct Software Pty Ltd

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Email: sales@interacct.com.au   **Web:**   http://www.interacct.com.au