



Release Notes – Build 402

Build 402.1.0 – Released August 1, 2023

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Overview

Estimated Costs Improvements

With inflationary pressures mounting worldwide, it is essential for all manufacturing companies to more accurately reflect their costs of production. This product update focuses on tools to better update your estimated costs for your purchased materials and rollup of your manufactured estimated costs.

System Administrator Task List

Pre-Installation Recommendations

Support subscription recommended

We recommend obtaining an ongoing support subscription so that you can submit support tickets if you need any assistance with the product update or any other issues.

Always make a manual backup!

Always make a manual backup of your main company database, custom form layouts, and documents and images before installing any product update.

Database

We recommend backing up your main company database using the Backup Manager utility (see below), which automatically detects the database path.

Otherwise, the main company database file (*EJDB.FDB*) is normally located in the following folder -- *(drive letter)\program files (x86)\DBA Manufacturing\Database*.

Custom Form Layouts (*.rtm files)

Custom form layouts are stored as *.rtm files in the *Reports* folder, normally in this path -- *(drive letter)\program files (x86)\DBA Manufacturing\Reports*.

Documents and Images

Documents and images can be saved into user-selected folders. Back up the appropriate folders as needed.

Use the Backup Manager

A new Backup Manager was introduced in previous build 395. It is used for database backups and should be incorporated into your current backup procedures.

The Backup Manager is an external utility that is used to create database backups, to restore from backup when needed, and to optimize your database performance with a simultaneous backup and restore.

Used solely for database backups

The Backup Manager is not a generic backup utility that can be used with multiple file types. Its sole purpose is to create database backups to the server and mirror copies to an external drive. These database backups can then be incorporated into your general server backup to the cloud or an off-site location.

Creates FBK files

When the Backup Manager makes a database backup, it creates an FBK file that can be safely backed up with a generic software program or service. An FBK file is created using the GBAK utility supplied with the Firebird database. Besides backing up the database, the FBK file does the following:

- Rebuilds indices
- Eliminates obsolete record versions ("garbage")
- Defragment database pages
- Rewrites database tables contiguously

Whenever you restore from an FBK backup file, your database is optimized to be leaner and more efficient.

The backup fails if data corruption is encountered

When an FBK backup file is being created, the backup process will fail if data corruption is encountered that cannot be fixed. The benefit from this is that if yesterday's FBK file was successfully created, you know with confidence that the data corruption occurred in your most recent business day. You can therefore safely restore from yesterday's backup and you minimize any data loss to just one day.

Incorporate FBK backup files in your daily general backup

You will continue to make a general daily backup of all the critical data folders on your server, not just for DBA but for other applications as well. The general daily backup should incorporate the *(drive letter)\ProgramData\DBABackup* folder, which contains your FBK backup files.

Accessed from the server

The Backup Manager is accessed from the server by clicking *Windows Start – DBA Manufacturing – Utilities – Backup Manager*.

Instructions

Refer to the Installation / Update guide for Backup Manager instructions.

Review resolved programming issues

A list of resolved programming issues in build 402 is available in the "What's New" area of the support center.

Run a Batch Cost Rollup

Go to *BOM > Cost Rollup* and run a batch rollup. We have completely redesigned the screen and this will ensure that your costs are up to date.

Update Estimated Costs for Secondary Outputs (if applicable)

If you have defined secondary outputs against any of your BOMs, go to *BOM > Estimated Secondary Costs* and ensure you have an Estimated Cost for all of your Secondary Output items. After you update your Est Costs, go to the *BOM > Cost Rollup* and run a batch rollup.

Review Job Cost Defaults

Go to *Jobs > Jobs Setup > Job Cost Defaults* and review your settings. There is a new setting to update your Estimated Costs at job release. We recommend that you check this option to help align your job estimated costs with your most current costs.

Build 402 Releases

Build 402.0.0	Main Release	May 31, 2023
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New Features

Inventory Transactions - DBA User ID

(Inventory > Stock Items > History, Inventory > Stock Status > Transactions Tab, Inventory > Stock Adjustments > Transactions Tab, Inventory > Data Views > Inventory Transactions, Inventory > Data Views > Inventory Transactions Lot/Serial)

Item Transaction History											
Date	Trxn Type	Reference	Qty	Location	Unit Cost	Total Cost	Trxn OH	Source	Batch No	Name	User Name
8/26/2022 6:52:29 PM	PICK	Picked for Order SO11039	-100	MAIN	\$65.4750	(\$6,547.50)	0	SO11039	1667	ACME Toys	User, Admin
8/26/2022 6:52:08 PM	JOBREC	Received for Job M11043	100	MAIN	\$65.4750	\$6,547.50	100	M11043	1666	1080-000 - 100 - Red Wagon	User, Admin

We have added the DBA User ID to inventory transaction screens and data views for improved transaction audits. All existing transactions prior to update will be attributed to the main Admin User.

Estimated Cost History (NEW Screen)

(BOM > Estimated Cost History)

Estimated Cost History Summary

Session ID	Date	Source	Items Rolled	Items Changed	DBA User	Jobs Updated
10010	3/31/2023	Est Secondary Costs	0	0	User,Admin	
10009	3/31/2023	Cost Rollup Batch	13		User,Admin	<input checked="" type="checkbox"/>
10008	3/31/2023	Est Purch Costs	0		User,Admin	
10007	3/30/2023	Cost Rollup Single	5		User,Admin	
10006	3/30/2023	Cost Rollup Batch	13		User,Admin	<input checked="" type="checkbox"/>
10005	3/30/2023	Cost Rollup Batch	13		User,Admin	<input checked="" type="checkbox"/>
10004	3/30/2023	Cost Rollup Batch	13		User,Admin	<input checked="" type="checkbox"/>
10003	3/30/2023	Est Purch Costs	0		User,Admin	
10002	3/30/2023	New Item Entry	0		User,Admin	

We created a new Estimated History screen with a summary and detail views. This will document changes to Estimated Cost for items. The summary screen will display the number of items that were changed and also the DBA User ID who performed the source transaction. From the Items Changed column you can drill through to the *Estimated Cost History Detail* screen.

Estimate Cost History Detail

Item ID	Item Description	Revision	UM	Old Est Cost	Est Cost	% Change	Item Category
1080-000	Red Wagon	REVISION-01	EA	\$68.2150	\$69.5850	2.01%	PRODUCT-MFG
1080-000CTO	Custom to Order Wagon	REVISION-01	EA	\$66.0400	\$67.2600	1.85%	PRODUCT-MFG
1081-100	Front Undercarriage Assembly	REVISION-01	EA	\$23.6750	\$23.9250	1.06%	SUBASSY
1081-110	Wheel Assembly - Front	REVISION-01	EA	\$15.4500	\$15.5500	0.65%	SUBASSY
1081-120	Wheel Assembly - Rear	REVISION-01	EA	\$12.4500	\$12.5500	0.80%	SUBASSY
1081-130	Handle Assembly	REVISION-01	EA	\$4.3250	\$4.3750	1.16%	SUBASSY
1081-140	Wagon Body Unpainted - Subcon Component	REVISION-01	EA	\$11.1900	\$11.4100	1.97%	SUBASSY
1081-150	Wagon Body Painted - Subcontract Item	REVISION-01	EA	\$16.1900	\$16.4100	1.36%	SUBASSY
9999-200	Batch Parent Item	REVISION-01	L	\$15.2000	\$16.0000	5.26%	PRODUCT-MFG

The Estimated Cost History Detail screen is a valuable new tool. After you perform a batch rollup or a mass update of estimated purchase costs, you can quickly assess the scale of your changes and quickly identify unexpected values.

Estimated Purchase Costs Improvements

(BOM > Estimated Purchase Costs)

New Filter Options – We added a filter to differentiate items that have a default supplier source versus non-sourced items. The goal should be to have default supplier pricing for all of your purchased items and to regularly update your estimated costs based on your default supplier price

Est Cost Change History Button – We added a summary history of your Est Cost batches and the DBA User ID that performed the transactions. You can drill through to the details of the items that changed and quickly view the scale of the changes.

New Where Used Button – You can perform a where used inquiry on the item highlighted in the data grid.

New PO Lines Button – You can launch a PO Lines Summary Data View on the item highlighted in the data grid. This will help you explore the PO receipt and invoice history for an item.

New Item ID Link – We added a new link to the Stock item screen from the Item ID field.

Est Cost History Change History per Item – From the last updated column of the grid, you can drill through to the Est Cost changes for any item.

Cost Rollup Redesign

(BOM > Cost Rollup)

The screenshot shows the 'Cost Rollup' application window. At the top, there are options for 'Top Level Items' and 'Changed Last Batch Rollup'. Below this is a search bar and a list of BOM elements with their descriptions and estimated costs. A summary table at the bottom shows routing costs, lower levels, and total costs for various categories.

BOM Element	Description	Est Cost
1000-000	Back Wagon	\$0.8150
1000-000CTO	Custom to Order Wagon	\$57.2600
1081-100	Front Undercarriage Assembly	\$23.9250
1081-110	Wheel Assembly - Front	\$15.5500
1081-120	Wheel Assembly - Rear	\$12.5500
1081-130	Handle Assembly	\$4.3750
1081-140	Wagon Body Unpainted - Subcon Component	\$11.4100
1081-150	Wagon Body Painted - Subcontract Item	\$16.4100
9999-200	Batch Parent Item	\$16.0000
PHANTOM-1081-100	Front Carriage Assembly	\$2.4500
PHANTOM-1081-110	Wheel Assembly - Front	\$14.0000
PHANTOM-1081-120	Wheel Assembly - Rear	\$11.0000
PHANTOM-1081-130	Handle Assembly	\$3.6000

Cost Class	Routing Cost	Lower Levels	Total Cost
Mfg/Dr	9.1800	3.1500	12.3300
Labor	8.6300	2.2750	8.9050
Material	0.0000	48.3500	48.3500
Setup	0.0000	0.0000	0.0000

We have streamlined the Cost Rollup screen for improved performance and functionality.

Batch Rollup – We have created a new progress screen for batch rollups.

Update Est Costs NEW Jobs -You have the option to apply updated Estimated Costs to all existing NEW status Jobs.

Review Items Changed - At the completion of the rollup, you have the opportunity to view the Items that had a change in Estimated Costs.

Changed Last Batch Rollup Filter – After a batch rollup is completed, the data grid will display only items that had a change in Estimated Cost.

History Button – This provides a summary history of Estimated Cost events for your manufactured items and the DBA User that performed the transaction.

Links > Est Cost History – Highlight any item in the data grid and you can Link to the detailed history of Est Cost changes for that item.

Estimated Secondary Costs (NEW Screen)

(BOM > Estimated Secondary Costs)

Estimated Costs for Secondary Outputs are now handled in their own screen and are no longer calculated in the Cost Rollup screen.

Item ID	Description	UM	Est Cost	New Est Cost	Last Change	Item Category	BOM Parent Count	Entry Type
9999-300	Batch Bi-product Output	L	\$20.0000		3/30/2023	PRODUCT-MFG	1	Calculated

Auto-Calculated Items - If a secondary output item is used in a single BOM, you can *Mass Replace* the Estimated Cost and it will be calculated by the system.

Manual Entry Items - If the secondary item is used in 2 or more parent BOMs, you can review the *Secondary Output Estimated Cost* screen and manually enter a reasonable Estimated Cost.

History - We added a summary history of your Est Cost batches and the DBA User ID that performed the transactions. You can drill through to the details of the items that changed and quickly view the scale of the changes.

Update Completed - After you have updated all Est Costs for your secondary items, you should proceed to the *BOM > Cost Rollup* and run a batch rollup to update all BOMs where your secondary outputs are defined as component inputs.

Job Release – New Estimated Job Cost Inquiry Link

(Jobs > Job Control Panel > Release Jobs)

We added a link to the *Job Inquiry > Est Job Cost* tab to the Job Release screen. We highly recommend that you review your job costs prior to release to ensure that all estimated costs appear reasonable.

Job Inquiry - Est Job Costs - Outputs tab (NEW)

(Jobs > Job Inquiry > Est Job Costs > Outputs)

Added a new sub tab for Outputs to the Est Job Costs in the Job Inquiry.

Where Used – Secondary Outputs

(BOM > Where Used)

Add a new Secondary Output tab to the *Where Used* inquiry. Secondary outputs are now only listed in the BOM Parent tab when it is used as an input in a BOM.

BOM Outputs Cost Inquiry (NEW)

(BOM > Outputs Tab > \$ Button)

Add a new cost inquiry when one or more secondary outputs are defined.

BOM Outputs Cost Inquiry

Item ID: 9999-200 BOM Type: UM Batch: L Cost Ratio: 80%
 Description: Batch Parent Item Total BOM Cost: \$200.0000
 Revision: REVISION-01 Batch Qty: 10 Estimated Cost: \$16.0000

Output Collapse Expand Customize Reset Close

Drag a column header here to group by that column

BOM Outputs Cost Inquiry

Item ID	Description	Qty	UM	Cost Ratio	BOM Cost	Calc Est Cost
9999-300	Batch Bi-product Output	2	L	20%	\$40.0000	\$20.0000

All Records

Costed BOM Report Improvements


(BOM > Reports > Costed BOM)

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DBA Sample Company
COSTED BILL OF MATERIAL

BOM Parent: 9999-200
 Description: Batch Parent Item
 Category: PRODUCT-MFG
 Revision: REVISION-01
 BOM Type: Batch

Batch Size	UM	Total BOM Cost	Cost Ratio	Est Cost
10	L	\$190.0000	80.00%	\$15.2000



Secondary Outputs

Item ID/Description	Qty	UM	Cost Ratio	BOM Cost	Unit Cost
9999-300 Batch Bi-product Output	2.000000	L	20.00%	\$38.0000	\$19.0000

Cost Summary

Cost Type	Routing Costs	Lower Levels	Total Costs	% of Est	Cost Allocation by Output	
					Primary	Secondary
Mfg OH	\$75.0000	\$0.0000	\$75.0000	39.47%	\$60.0000	\$15.0000
Labor	\$50.0000	\$0.0000	\$50.0000	26.32%	\$40.0000	\$10.0000
Mat	\$0.0000	\$65.0000	\$65.0000	34.21%	\$52.0000	\$13.0000
Total Costs	\$125.0000	\$65.0000	\$190.0000	100.00%	\$152.0000	\$38.0000
	65.79%	34.21%	100.00%		80.00%	20.00%

Header – Added the Total BOM Cost for the Batch Qty and the Est Cost for the parent Item.

Cost Summary Batch BOMs – For BOMs with a batch size greater than 1, we will be listing the cost summary values per the total batch quantity instead of the unit cost of the parent.

Cost Summary Percentages – We added percentage calculations per cost element to the cost summary section.

Fixed Components – We added visibility to the report for fixed components.

Job Cost Defaults – Update Est Costs at Job Release

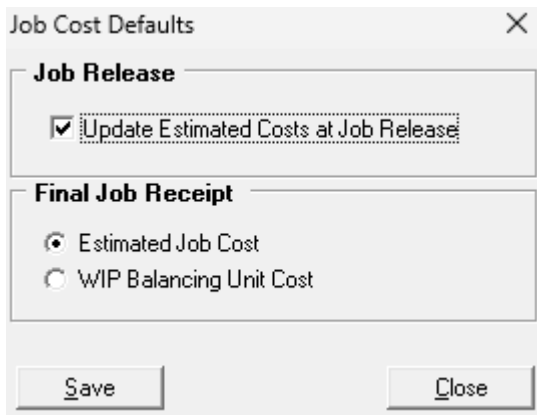
(Jobs > Jobs Setup > Job Cost Defaults (formerly Job Cost Basis))

We added an option to update Estimated Costs at the time of Job Release. We recommend that you select this option to better align your estimated costs with your most recent costs.

Material Costs – All material components will be updated with the current Item Estimated Cost.

Routing Labor Costs - The Work Center shop rates for Setup, Labor, and Mfg Overhead will get refreshed.

We have also clarified the documentation on the Final Job Receipt options in the system. The previous terminology of Actual Job Cost basis was commonly misunderstood by customers. The Actual Job Cost Basis option has been renamed “WIP Balancing Unit Cost” to more accurately reflect its function.



The screenshot shows a dialog box titled "Job Cost Defaults" with a close button (X) in the top right corner. The dialog is divided into two main sections. The first section, "Job Release", contains a single checkbox labeled "Update Estimated Costs at Job Release" which is checked. The second section, "Final Job Receipt", contains two radio buttons: "Estimated Job Cost" (which is selected) and "WIP Balancing Unit Cost". At the bottom of the dialog, there are two buttons: "Save" and "Close".

New Features – Service Pack 402.1.0

Invoices Audit – DBA User ID

(Sales>Invoices, Sales Order Inquiry > Invoice Tab, Sales > Data Views > Sales Order Invoices, PO Invoice, Purch > Data View > PO Invoices, AP > Supplier Invoice)

We have added the DBA User ID to the Invoice screens and data views for improved transaction audits. All existing transactions prior to update will be attributed to the main Admin User.

New Screen for Subcontract Costs

(BOM > Estimated Subcontract Costs)

BOM Parent	Parent Description	Revision	Sequence	Process ID	Supplier Price	New Supplier Price	Supp UM	Est Cost	New Est Cost	UM	Days To Next	Subcontractor ID	Supplier	Parent Item Category
1001-10	Wagon Body Painted - Subcontract Item	REVISION-01	010	PAINT-0	\$5,000	EA	EA	\$5,000	EA	EA		S/PFC-PART	Painting and Plating Company	SUBASSY

Use this screen to review and update your estimated costs for your Subcontract routing sequences. After posting any changes, you should perform a *BOM > Cost Rollup* to properly update your estimated costs for your manufactured items.

New Capability – Add Standard Items as Secondary Outputs

(BOM > Outputs)

We have added a new capability to add standard purchased items and standard BOM items as secondary outputs in BOMs. This added functionality will allow for dis-assembly BOMs.

Added link to Sales Order Inquiry from Sales Order screen

(Sales > Sales Order)

You can now access the *Sales Order Inquiry* from the *Links* button in the Sales Order.

Documentation

Video

[Material Costs Workflow](#)

Screen Help

[Cost Rollup](#)

[Job Cost Defaults](#)

[Estimated Secondary Costs](#)

[Estimated Cost History](#)

[Estimated Subcontract Costs](#)

[Knowledge Base – Cut to Size Materials](#)