

# Manufacturing Plus - Enhancement Guide

48 Awesome Enhancements

Designed for Microsoft Dynamics 365 Business Central – Premium Edition with Manufacturing

ynamics 365	Business	Central							
	CRONUS Inter	rnational Ltd.	Inventory~	Product Design	∨ Capacities∨ Journals∨	Posted Documents $\vee$			
	Customers Ver	idors Items R	esources Work	Centers Machin	e Centers Locations				
	ACTIONS > Tasks > (	General > Tr.	acking 🛛 🖹 Pla	nning Availiabilty	🗐 Subcontractor - Dispatch List				
	Customers Vendors Items Resources Work Centers Machine Centers Locations Actions > Tasks > General > Tracking  Planning Availiability  Subcontractor - Disp nsights MFG Plus Activities RECENTED PLANNED FIRM PLANNED RELEASED > Tasks > General > Tracking  Planning Availiability  Subcontractor - Disp nsights MFG Plus Activities SMULATED PLANNED FIRM PLANNED RELEASED > Subcontractor - Disp SMULATED PLANNED FIRM								
	PRODUCTION					My Production Orders 🗸			
		planned				STATUS	PRODUCTION ORDER NO.	DESCRIPTION	
	<u> </u>	<u> </u>		<u> </u>		Released	1011002	Bicycle	
	>	>	>	>		Released	1011004	Bicycle	
	SALES								
	SALES QUOTES	SALES ORDERS	SALES	SALES CR.		My Items 🗸			
	0	42	1			ITEM NO.	DESCRIPTION		UNITPRICE
			<u> </u>	<u> </u>		1000	Bicycle		4,000.00
	>	>	>	<i>&gt;</i>		1001	Touring Bicycle		4,000.00
	PURCHASES					1100	Front Wheel		1,000.00
	PURCHASE	PURCHASE	PURCHASE	PURCHASECR_		1150	Front Hub		500.00
		orders 21		MEMOS		1200	Back Wheel		1,200.00
	>	>	>	>		My Customers∨			

Granule ID: 14004520

Produced and Distributed by: Cost Control Software, Inc. 12409 Old Meridian Street Carmel, IN 46032

Phone: (317) 846-6025

www.CostControlSoftware.com

# Table of Contents

Application Description3
Enhancement List8
Role Center8
Inventory10
Product Design - Production BOM
Product Design - Routings21
Capacities - Work Centers & Machine Center24
Journals26
Worksheets
Production Order Enhancement
History
Reporting
Flow Charts
Support

# **Application Description**

### Objectives

Before we look at "Manufacturing Plus", let's be sure we know what problems we are trying to solve. Below is a list of the typical problems we hear from Manufacturing Companies. If you could solve 85% of this list, your business would run smoother and more efficiently.

#### Problems to be solved:

#### 1. Quicker Access to Information

Customers tell us all the time that they know the information must be in there, but they just can't get it out.

### 2. Better Reporting

Most Manufacturing Software comes with reports from the Author of the software. Microsoft Dynamics 365 Business Central comes with over 500 reports, but even then, customers want reports specific to their business. Excellent Reporting Tools are a must have.

### 3. Works the way we do business.

Adaptability to specific business needs are critical to a successful launch of a new software installation. Be sure you know how to use the tools embedded in the application and development environment to ensure the software workflow matches your processes.

### 4. Auditability

There must be no guess work as to how the numbers are calculated. This includes: Financials and Production Orders too.

### 5. Control

Don't let the software be too automatic. Insist MRP makes a "recommendation" that a human must approve. Same for AP Check Runs, Invoice Generation, Broadcast E-Mails, and Imports of CAD created BOM.

#### 6. Growth

If you start with a 10-user system, it will still work when you have 100 users. Make sure you put processes in place that will work just as easily for 10 users as 100 users.

You may not need these advanced features now, but you will someday:

- Visual Drag and Drop Scheduling
- Mobile Devices
- Scanners
- Business Intelligence reporting
- UPS World Ship Interface
- Pack Line Scanning
- Cross Docking
- Web Services for remote connectivity
- Seasonal Procurement or Budgeting
- Customer Relationship Management (CRM)
- Job Cost Accounting
- Advanced Security
- Automatic Report Generation
- SharePoint Client

Manufacturing Plus is a first step to reaching your goals of a fine-tuned Manufacturing Solution. It is built within the Microsoft Dynamics 365 Business Central Development Environment.

# Microsoft Dynamics 365 Business Central brings to End-Users the following ability:

- Financial Reporting
- Customer Billing and Cash Management
- Vendor Invoice Processing and Procurement
- Inventory Management
- Manufacturing with Router and BOM Management
- Customer Relationship Management (CRM)
- Auditing of all of the above

Manufacturing Plus provides clear views into Production Standard Costing, Current Costing, Future Costing, Estimating, and Pricing. Many end-user oriented usability enhancements have been added to Inventory, Product Design, Daily Execution, History, and Reporting.

Manufacturing Plus is designed to quickly launch a new Customer's Installation of Dynamics 365 Business Central Manufacturing with an "out of the box" solution for accurate costing and clear visibility to Work Center or Machine Center activities.

#### Manufacturing Plus is ideally suited for "Standard Cost Manufacturing".

Job Cost Manufacturing (Job Manager)	Standard Cost Manufacturing (Manufacturing Plus)
Make to order	Build to stock
No finished goods inventories	Finished goods inventories/SKU's
Different/Custom products	Standard products
Sell to other companies	Sell to distributors or end users
Customer order driven	MRP demand forecast driven
Bid on RFQ's to get work	No RFQ's
Estimating is critical	Standard costing
Customer pricing (quotes)	Market pricing
Lead time required	Fill orders from finished goods inventory
Many schedule changes	Few schedule changes

#### See the comparison to "Job Cost Manufacturing" below:

Set ups/changeovers frequent	Set ups/changeovers less frequent
Direct contact with customer	Indirect contact with remote customer
Smaller companies	Larger companies
Owner managed	Professionally managed
Variable overhead allocation	Labor-based overhead allocation
Variable volume	More stable volume
Order backlog is good	Order backlog is bad (stockouts)
More dynamic	More static
More skilled labor (variable tasks)	Less skilled labor (repetitive tasks)
Dynamic scheduling	Static scheduling
Long Duration Jobs	Longer runs
Improve by reducing lead time	Improve by reducing inventories

### Benefits of Manufacturing Plus:

- Saves time configuring your new database.
- Statistical Analysis on all data.
- Quick and Easy views into your critical data.
- "Actual Cost" reporting now available on Production Orders. (Vs. Expected Costing only)

### Dependencies:

• Dynamics 365 Business Central Extended Edition (for Manufacturing)

We highly recommend adding the following Granules to compliment the Manufacturing Plus Objects:

- Production Scheduler Visual Gantt Chart View of your Schedule
- Manufacturing Time Entry Clock In/Out for Remote Employee Time Entry
- Quality Control Laboratory Product Testing
- Manufacturing Reports Pack 23 Most Requested Mfg. Reports
- Business Snapshot Plus Financial Cash Analysis and Business Ratios
- **Pop-up Notes** Internal Notes that pop-up to remind the operators of issues.
- **Reports Pack** 60 Must Have New Reports and Documents

Note: This is NOT a training guide for Manufacturing. This IS a list of the key features that enhance the Microsoft Dynamics 365 Business Central – Premium Edition with Manufacturing capability.

# **Enhancement Guide**

"Manufacturing Plus" Product Design

This document will refer to the embedded enhancements of Manufacturing Plus for Microsoft Dynamics 365 Business Central's Manufacturing.

**Manufacturing Plus Setup and Role Center** 

**1.** Be sure you have completed the Manufacturing Plus Setup: (See Manufacturing Plus Setup Guide for full details)

Manufacturing Plus Setup								
Process Show Attached Navigate Less options								
Version								
Current MFG Plus Version 13.0.0								
General								
Print Audit onCarry Out Acti  Ask	Routing Version No. Series	$\checkmark$						
Always Create Router with V 🔹 💽	Prod. BOM Version No. Series	~						
Always Create BOM with Ve	Use Resource Rate							

#### Ribbon:

- Auto Setup Roles (for Security)
- Auto Create Profiles for making MP your Default Role Center
- Auto Create Cue Prompts Tile Cue Defaults only, you can change as needed.

#### General Tab:

- Options to Print Audit on MRP Carry Out Action.
- Options to Always Create Router with Versions

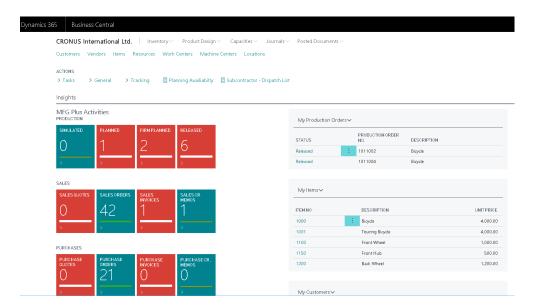
- Option to Always Create BOM with Versions

- Set your Routing and BOM Version No. Series (optional)

- Option to use the "Resource" Rate, not the WC or MC Rate in Cost Calculations.

2. You can now choose the "MFG PLUS" Profile for Users. This selects the new Role Center for Manufacturing. This Role Center is designed for efficient manufacturing operations. It enables quick access to all Manufacturing critical functionality.

Shipping and Receiving - Order-by-Order		System
Shipping and Receiving - Warehouse Management Sy		System
Shop Supervisor - Manufacturing Comprehensive	System	
Shop Supervisor - Manufacturing Foundation		System
Team Member		System
Warehouse Worker - Warehouse Management System		System
Manufacturing Plus	: Manufacturing Plus	Tenant
CCS Quality Control	Quality Control	Tenant
Enterprise Role Center	Foundation Pack	Tenant



			Inver	ntory				
3		ory Manag			uring Plus Rol uring, so we p			
	CRONU	JS International Ltd	Inventory Proc	duct Design∨ Capaciti	es∨ Journals∨ Posted	Documents 🗸		
	Items Vendors	Nonstock Items Stockkeeping Units	Inventory Analysis Reports Purchase Analysis Reports	Lot No. Information Serial No. Information	Standard Cost Worksheets Item Registers	Locations Item Categories	Units of Measure Manufacturers	Product Groups

4. Item Cost Statistics - From the Item List and Card, there is a new Item Cost Statistics for: Standard Cost, Current Cost, and Future Cost information. This is ideal for projecting (calculating) future costs.

CRON	US Inte	rnational Ltd.	Inventory $\smallsetminus$	Product De	sign∨	Capacit	ties∨	Journals >	Posted D
Items:	$\rm All \sim$	,	+ New 🗙 Delete	Process $\sim$	Report	/ Item	√ His	tory∨ Spec	ial Prices & D
NO.		DESCRIPTION	INVENTOR	🕅 Multi-Li		N	CTI ).	ROUTING NO.	BASEUNIT OF MEASURE
1000	÷	Bicycle	3	🖪 Item Re	classificatio	n Journal		1000	PCS
1001		Touring Bicycle	ſ	Ditem Co	ost Statistics		1	1000	PCS
1100		Front Wheel	15	_				1100	PCS
1110		Rim	40	Cost Ch	iange Log				PCS
1120		Spokes	10,00	0 No	No				PCS
1150		Front Hub	20	0 No	No	1150		1150	PCS
1151		Axle Front Wheel	20	0 No	No				PCS

5. From this "Item Cost Statistics" Page you now can **Re-Calc Current and Future Cost** without effecting Standard Cost.

ITEM COST STATISTICS		+ 🖻	
1000			
Process Report	Show Attached Actions	Navigate Less options	
🛐 Calc. Current Cost	🗟 View Current Co Productio	on BOM 🛛 🖹 Update Items Stan	dard Cost
💷 View Calc Error Log	🗟 View Std Cost Production B	DM 🕜 Quick Edit	
Parameters			
Item No.	1000	PARAMETERS FOR CURRENT/FUTU	RECOSTS
Description	Bicycle	New Lot Size	0.0
Lot Size	10.00	New Overhead Rate	0.0
Overhead Rate	0.00	New Indirect Cost %	0.0
Indirect Cost % · · · · ·	0	New Scrap %	0.0
Scrap % · · · · · · · · · · · ·		New Production BOM	~
Production BOM	1000	New Routing No.	~
Routing No.	1000	New Cost Factor	0.0
		New Calculation Date	
Item Cost Statistics			
	UNIT/STANDARD COST	CURRENT/FUR ECOST	ARIANCE
Cost	0.00	350.59	350.59
Single-Lev Material Cost	0.00	322.994	322.99

5. You have the ability **Re-Calc Current and Future Cost with user defined parameters.** This enables "what if" calculations.

Try it: Enter 1.12 and press "Re-Calc".

PARAMETERS FOR CURRENT/FUTURE COSTS						
New Lot Size	0.00					
New Overhead Rate	0.00					
New Indirect Cost %	0.00					
New Scrap %	0.00					
New Production BOM	~					
New Routing No.	$\sim$					
New Cost Factor	1.12					
New Calculation Date						

6. You can view Variance Statistics between Standard Cost and Current/Future Cost.

After "Re-Calc", check out Current/Future Cost column and the Variance Column too.

	UNIT/STANDARD COST	CURRENT/FUTURECOST	VARIANCE
Cost	355.48	355.48	0.00
Single-Lev Material Cost	327.8804	327.8804	0.00
Single-Lev Capacity Cost	27.60	27.60	0.00
Single-Lev Subcon. Cost	0.00	0.00	0.00
Single-Lev Cap. Ovhd Cost	0.00	0.00	0.00
Single-Lev Mfg. Ovhd Cost	0.00	0.00	0.00
Rolled-up Material Cost	279.1604	279.1604	0.00
Rolled-up Capacity Cost>	76.32	76.32	0.00
Rolled-up Subcontrd Cost	0.00	0.00	0.00
Rolled-up Cap. Overhd Cost	0.00	0.00	0.00
Rolled-up Mfg. Ovhd Cost	0.00	0.00	0.00

#### 7. Multi Lot Cost View -

From the Process option, Select "Multi-Lot Cost View". A new page opens. Enter the desired Quantity Breaks. See it instantly calculate the Current Cost. You can even add Margins to calculate suggested Prices.

Dynamics 365	Business Central	ltems						
CRONUS International Ltd. Inventory Product Design Capacities Journals Posted Documents								
Items: All >   , >>> Search + New × Delere Process > Report >>> Item >>> History >>> Special Prices & Discounts >>>> Request Approva								
			Multi-Lot Cost View	ROUTING	BASEUNIT OF	CO IS		
NO.	DESCRIPTION	INVENTOR	Item Journal	NO.	MEASURE	AD	UNITCOST	
1000 :	Bicycle	3	Item Reclassification Journal	1000	PCS		350.594	
1001	Touring Bicycle		Item Cost Statistics	1000	PCS	A.	350.594	
1100	Front Wheel	15		1100	PCS		129.671	
1110	Rim	40	Cost Change Log		PCS	4	1.05	
1120	Spokes	10,00	0 No No		PCS	A.	2.00	

#### Item Lot Qty. Costs

🔎 Sear	:h +New	🐯 Edit List	×Delete Process	Report Show Attach	ned 🛛 🖾 Open in Excel	Actions Navigat	e Less options	≡ s <sup>2</sup>
	MINIMUM QUANTIT	Y	ITEM UNIT PRICE	DISCOUNT %	DISCOUNTED PRICE	CURRENTUNITCOST	MARGIN %	SUGGESTED PRICE
		1	4,000.00	0	0.00	469.39	40.00	782.32
	5	0	4,000.00	0	0.00	340.03	42.00	586.27
	10	0	4,000.00	0	0.00	338.71	44.00	604.85
	50	0	4,000.00	0	0.00	337.66	46.00	625.29
	1,00	0	4,000.00	0	0.00	337.53	48.00	649.09

Lot Size Levels have been added which shows Current Cost/Price at different Lot Sizes. You also can add "Margin %" to calculate Suggested Price. (Great for Estimating) (see picture above)

This will assist in identifying your "Economic Order Quantity" too.

#### 8. Transfer Prices to the Contract Price Table

Transfer Prices, shown below, will transfer the "Suggested Price" to the "Contract Price Table". The "View Sales Prices" option gives you a quick access to the contract price table.

Transfer Prices (see above) will transfer the "Suggested Price" to the "Contract Price Table". The "View Sales Prices" gives you a quick access to the contract price table.

ltem	Lot	Qty.	Costs

<ul> <li>✓ Search + New          ➡ Edit     </li> <li>✓ Update All Items          ➡ Transfer Pr     </li> </ul>		Report Show Attach	ed 🛛 🖾 Open in Excel	Actions Navigate	Less options	″ہ ≡ &
MINIMUM QUANTITY	ITEM UNIT PRICE	DISCOUNT%	DISCOUNTED PRICE	CURRENTUNITCOST		SUGGESTED PRICE
1	4,000.00	0	0.00	469.39	40.00	782.32
50	4,000.00	0	0.00	340.03	42.00	586.27
100	4,000.00	0	0.00	338.71	44.00	604.85
500	4,000.00	0	0.00	337.66	46.00	625.29
1,000	4,000.00	0	0.00	337.53	48.00	649.09

Use "**View Sales Prices**" to see the Sales Prices Page. This enable you to have Price Contracts with your customer based on Quantities they purchase.

### Sales Prices

,⊅ Search	+ New	🐯 Edit List	× Delete	Show Attached	💶 Open in Excel	Actions Less options
General						
Sales Type Filte	ir		None		۲	Starting Date Filter
Sales Code Filt	er · · · · · · · ·					Currency Code Filter
Item No. Filter			1000			

SALES TYPE		SALES CODE	ITEM NO. 🝸	UNIT OF MEASURE CODE	MINIMUM QUANTITY	UNITPRICE	STARTING D
All Customers 🔹	:		1000	PCS	1	782.32	
All Customers			1000	PCS	50	586.27	
All Customers			1000	PCS	100	604.85	
All Customers			1000	PCS	500	625.29	
All Customers			1000	PCS	1,000	649.09	

# 9. "Update All Items" - This handy choice will re-calculate (refresh) the cost based on the current cost of your items.

The "Contract Price" table in Dynamics 365 Business Central can be updated with the Suggested Price from the Multi-Lot price calculations at any time.

	~	Cost	S			
	Jew 💀	Edit List	× Delete Process	Report Show Attached	💶 Open in Excel	Actions Navigate
Dpdate All Items	👺 Transf	er Prices	🗟 View Sales Prices			
MINIMUM	QUANTITY		ITEM UNIT PRICE	DISCOUNT%	DISCOUNTED PRICE	CURRENTUNITCOST
	1	:	4,000.00	0	0.00	469.39
	50		4,000.00	0	0.00	340.03
	100		4,000.00	0	0.00	338.71
			4,000.00	0	0.00	337.66
	500					

#### 10. Quick Create of a BOM or Router (One of our favorite features)

#### From the Item Card find the Item Prod. Design Fact Box. (See Picture below)

#### You can Create New or just View your Router or BOM Instantly!

If no Routing No. exists, click the field to add it. If no Production BOM No. exists, click the empty field to add it.

If they exist, click the link to view the BOM or Router or even or Versions.

~	ITEM CARD	+ 0	
	1000 · Bicycle		
	Process Item History Special S	Use this area to:	0 7
	ltem	Show more Item Prod. Design	
	Description Bicycle Biocked Type Inventory	1. Add NEW Router or BOM         2. Edit Router or BOM if it exists         3. Edit Versions if they exist             Production BOM Na.         Production BOM Na.         Production BOM Curr Ver	1000 _ 1000 _
	Inventory	Show less	
	Shelf No. F4	Qty. on Job Order · · · · · · · 0	- 1
	Created From Catalog Item · · · ·	Qty. on Assembly Order · · · · · · 0	
	Search Description · · · · · BICYCLE	Qty. on Asm. Component · · · · · 0	
	Inventory	32 Stockout Warning · · · · · · Default (Yes)	
	a		

www.CostControlSoftware.com

11. The Location List now comes with Item Ledger Entries

Location List now has quick access to "Location Item Ledger Entries". Entries are available on the Location List and Card. It adds easy access to Location specific Ledger Entries.

Dynamics 365	Business Central	ocations		
CRONUS Interr	national Ltd	entory Product Design \	✓ Capacities ✓ Jour	nals V Posted Documents V
Locations: All	Search New	$\sim$ XDelete Process $\sim$ F	Report 🗸 Show Attached	🗸 📲 Open in Excel   Actions
CODE		ltem Ledg		NAME
BLUE		🏝 Create Wa	arehouse location	Blue Warehouse
GREEN				Green Warehouse
OUT. LOG.				Outsourced Logistics
OWN LOG.				Own Logistics
RED				Red Warehouse
SILVER				Silver Warehouse
WHITE				White Warehouse
YELLOW				Yellow Warehouse

#### **Product Design – Production BOM**

12. We have improved the "Product Design" section with easier access to critical areas. See image below. (Routings, BOMs, Work Centers, Machine Centers, Simulated Production Orders, Routing Like Codes, and Standard Tasks)

CRON	IUS International Ltd.	ventory	oduct De	esign $\vee$	Capacities∨	Journals $\vee$	Posted Doc	uments	/
Items	Routings Production BOMs W	ork Centers	Machine	Centers	Simulated Pro	oduction Order	s Routing L	inks S	Standard Tasks
Items:	All $\sim$ $\mid$ $\wp$ Search $+$ Nev	w 🗙 Delete Pr	rocess $\vee$	Report ~	∕ Item∨ His	tory∨ Specia	ll Prices & Disc	counts $\sim$	Request Approv
NO.	DESCRIPTION	INVENTORY	SUB EXIST	ASSE BOM	PRODUCTI BOM NO.	ROUTING NO.	BASEUNIT OF MEASURE	CO IS AD	UNITCOST
1000	Bicycle	32	No	No	1000	1000	PCS		355.4804
1001	Touring Bicycle	0	No	No	1000	1000	PCS	<b>V</b>	350.594
1100	Front Wheel	152	No	No	1100	1100	PCS		129.671
1110	Rim	400	No	No			PCS	<b>v</b>	1.05
1120	Spokes	10,000	No	No			PCS	<b>V</b>	2.00
1150	Front Hub	200	No	No	1150	1150	PCS		12.441

13. The Production BOM Card now comes with instant view of Sub-Assemblies.

From Production BOM Card; select "View BOM" to view that Line Item's Sub-Assembly. (Shown below)

PRODUCTION BO	м				Ø	+ 🖻	
1000 ·	Bicycle	ć					
Process S	how Attached	Page Actions	Navigate	Less options			
General							
No		1000		Version No:	5		
Description · · ·		Bicycle		Active Versi	on · · · · · ·		
Unit of Measure	Code · · · · · · ·	PCS		Last Date N	lodified · · ·		
Status · · · · · ·		Certified		Comments	Exist · · · · ·		
Search Name \cdots		BICYCLE				Also, Try the Link Access	,
Lines	<u>Manage</u> N ≫Delete Line	Nore options	View Routing			<u> </u>	5
TYPE	NO.	DESCRIPTION	COM	PER	UNIT OF MEASURE CODE		ROUTING BOM LINKCODE NUMBER
ltem	: 1100	Front Wheel	No	1	PCS	0	1100
Item	1200	back wheel	NO	1	PCS	U	1200
Item	1300	Chain Assy	No	1	PCS	0	1300
Item	1400	Mudguard front	No	1	PCS	0	-
Item	1450	Mudguard back	No	1	PCS	0	-
Item	1500	Lamp	No	1	PCS	0	-
Item	1600	Bell	No	1	PCS	0	_

# 14. The Production BOM Card now comes with an option to view the Line Item's Routing.

From the Production BOM you can now drill to the Component's Routing. (Quick Access to Sub-Assemblies)

PRODUCTION B	ом						0 +	Ē	
1000 ·	Bicycl	е							
Process S	Show Attached	Pag	e A	tions Navig	gate Le	ess options			
General									
No		1000				Version Nos.			
Description · ·		Bicycle				Active Version · ·			
Unit of Measure	e Code	PCS				Last Date Modified	d		
Status		Certifie	ed			Comments Ex		No	
Search Name 🕠		BICYC	LE			th	lso, Try ne Link ccess		
Lines	<u>Manage</u> ≫ Delete Lin	More o e 🔓	ptions View BOM	🖻 View Rout	ting	C		)	
TYPE	QUAI	YTITY	UNITOF MEASURE CODE	SCRAP %	ROUTING LINK COD	BOM E N MBER	ROU NG NUM ER	ITEM FLUSHING METHOD	REPLENIS SYSTEM
Item		1	PCS	0		1100	1100	Manual	Prod. Orde
Item	1	1	PCS	0		1200	1200	Manual	Prod. Orde
Item		1	PCS	0		1300	_	Manual	Prod. Orde
Item		1	PCS	0		-	_	Manual	Purchase
Item		1	PCS	0		-	-	Manual	Purchase
Item		1	PCS	0		-	-	Manual	Purchase
Item		1	PCS	0		_	_	Manual	Purchase

**15.** The Production BOM Card now shows: Item's Flushing Method, Replenishment System, and Manufacturing Policy.

И	🗟 View Ro	uting				
%	ROUTING LINK CODE	BOM NUMBER	ROUTING NUMBER	ITEM FLUSHING METHOD	REPLENIS SYSTEM	MANUFAC POLICY
0		1100	1100	Manual	Prod. Order	Make-to-Stock
0		1200	1200	Manual	Prod. Order	Make-to-Stock
0		1300	_	Manual	Prod. Order	Make-to-Stock
0		_	_	Manual	Purchase	Make-to-Stock
0		_	_	Manual	Purchase	Make-to-Stock
0		_	_	Manual	Purchase	Make-to-Stock
0		_	_	Manual	Purchase	Make-to-Stock

16. Calculate Standard Cost on Multiple Items at once.

"Multi-Item Calc Current Cost"

From Production BOM List, Process, Multi-Item Calc Current Cost: This feature enables a global re-calculation of the current cost as well as optional update of the Item(s) "standard" cost.

Dynamics 365 Business	s Central	Production BOMs		
CRONUS International Lt	td.	Inventory <b>Product De</b>	<b>sign</b> ∨ Capacities∨ Journals	✓ Posted Documents ✓
Items Routings Productio	on BOMs	Work Centers Machine (	Centers Simulated Production Ord	ders Routing Links Standa
Production BOMs: All $\sim$	, <b>&gt;</b> s	Search 🕂 New 🗙 Dele <mark>t</mark> e	Process∨ Report∨ Show Attac	:hed 🗸 📲 Open in Excel 🕴 A
NO.	DES	CRIPTION	🔟 Multi-Item Calc Current Cost	UNIT OF MEASURE
1000	: Bicyc	le	Comments	PCS
1100	Fron	t Wheel	Versions 🖬	PCS
1150	Hub		🕎 Matrix per Version	PCS
1200	Back	Wheel	🚭 Where-used	PCS
1250	Hub		🔏 Exchange Production BOM Item	PCS
1300	Chai	n assy	🕵 Delete Expired Components	PCS
1700	Brak	e	Certified	PCS
LS-100	Loud	lspeaker100W Oakwood Deluxe	e Certified	PCS

apa	EDIT - MULT	I-ITEM CALC CURRENT COST				l
imu	Options					зрі
Re	Update the	Standard Cost Field · · · · · 💌				
	ltem					D
	Show results:					
	Where:	No. T	is:		$\sim$	
	And:	Inventory Posting Group	is:		$\sim$	ł
						ł
				Schedule OK		
				Schedule OK C	lancel	

Page 20

#### **Product Design - Routings**

#### 17. We have an enhanced Routing List Page:

Visible: Comments Exists, Type, and Status

namics 365 Busi	ness Central	Routings				
RONUS Internation	al Ltd. Inv	ventory V Product Design V	Capacities V Journals V I	Posted Documents $\smallsetminus$		
ems Routings Prod	uction BOMs W	/ork Centers Machine Centers	Simulated Production Orders	Routing Links Stand	dard Tasks Familie	s Stockkeeping Units
outings: All $\sim$		New 🗙 Delete Process 🗸 Show	v Attached 🗸 🛛 💶 Open in Excel	Navigate 🗸 Report	<ul> <li>Less options</li> </ul>	
١٥.		DESCRIPTION		COMMENT EXISTS	TYPE	STATUS
1000		Bicycle		No	Serial	Certified
1100		Front Wheel		No	Serial	Certified
1150		Hub		No	Parallel	Certified
1200		Back Wheel		No	Serial	Certified

18. Routing Link Codes: Go to Router, Router Lines

Routing Link Codes are clearly shown on the Routing Lines. Link your Routing Line to all or a portion of your BOM.

es	Manag	ge More	options					
New Line	<b>*</b>	Delete Line						
OPERATI NO.		ТҮРЕ	N0.	ROUTING LINK CODE	DESCRIPTION	сом	SETUPTIME	SETUP TIME UNIT OF MEAS. CODE
10	1	Work Center	100	100	Wheel assembly	No	110	MINUTES
20		Machine Cent	120		Chain assembly	Yes	15	MINUTES
30		Machine Cent	130		Final assembly	No	10	MINUTES
40		Machine Cent	110	300	Control	No	10	MINUTES

#### 19. A new Tool(s) Table is added.

Router Master, Routing Line, "Tools" has new lookup to a new "Tool" Table for easy lookups.

General									
No		[	1000				Search De	scription · · · ·	[
Description · · · ·		[	Bicycle				Version N	os	[
Comment Exists			No				Active Ver	sion · · · · · ·	
Туре			Serial			•	Last Date	Modified · · ·	
Status			Certifi	ed		•			
<b>Lines</b> │ Ⅳ ☞ Comments	lanaç <b>i</b> î	ge 🗾	Opera	tion sonnel	Less op		ber Opera	ation!	
OPERATI NO.		ТҮРЕ	NC	l.	ROUTING LINK CODE	DESCRIF	PTION	сом	SETUP
10	÷	Work Cent	er 100	)	100	Wheel as	sembly	No	
20		Machine C	ent 120	)		Chain ass	embly	Yes	
30		Machine C	ent 130	)		Final asse	embly	No	
40		Machine C	ent 11(	)	300	Control		No	

$\leftarrow$	1000 BICY	CLE10									
	1000	) Bi	icycle	10							
	,∕⊂ Sear	rch	+ New	🐯 Edit List	×D	elete	Sho	w Attached	XI C	pen in Excel	
	[	TOOLN	40.				N	).			DESCRIPTION
		T302			$\sim$	:	Tâ	302			Tool 302
			TOOLID			TOOLDE	SCRIP	TION			
		_	<u>T302</u>		- E	Tool 302	2				
		+ >	lew					Select from f	ull list		

Page 22

#### 20. "Personnel" Improvement

From your Router's Line you can now select a Resource from you Resource Master File.

1000 BICYCLE	20					
1000	Bicycle	20				
,∕⊃ Search	+ New	🐯 Edit List	🗙 Delete	Show Attac	hed 🛛 💶 Open in Excel	
	RESOURCENO.				NO.	DESCRIPTION
	MARK				MARK	Mark Hans <b>o</b> n
	τιμοτηλ		~	/ :	TIMOTHY	Timothy Sneath
	NO.	NAME		ТҮРЕ 🝸	BASEUNIT OF MEASURE	
	LIFT	Lift for Fu	rniture	Machine	HOUR	
	LINDA	Linda Mai	tin	Person	HOUR	
	MARK	Mark Han	son	Person	HOUR	
	MARY	Mary A. D	lempsey	Person	HOUR	
	TIMOTHY	: Timothy S	neath	Person	HOUR	
	+ New			Se	lect from full list	

#### 21. Run Time Calculation

From your Router Line, Run Time field, you can now has a reciprocal "Units/Time" displayed and it has a backward and forward calculation capability.

🚨 Personnel	🐺 Quality N	leasures			
	SETUP TIME UNIT OF		RUN TIME UNIT OF		
SETUPTIME	MEAS.CODE	RUNTIME	MEAS.CODE	UNITS/TIME	WAITTIME
110	MINUTES	15	MINUTES	0.0667	0
15	MINUTES	18	MINUTES	0.0556	0
10	MINUTES	3		0.3333	0
10	MINUTES	0.5	MINUTES	2.00	0

#### **Capacities – Work Centers and Machine Centers**

#### 22. Work Center List

Your Work Center List now has W/C Statistics showing in a new Fact Box.

ork Cente	r <b>s: All</b> ∨	rch +New	×Delete Report~	Work Ctr. ~	Planning $\sim$	Show Attached	🗸 🚺 Open ir	n Excel Acti	ons 🗸 Naviga	te 🗸 🛛 Report 🗸	Less options		. 0
).	NAME	WORK CENTER GROUP CODE	DIRECTUNIT	INDIRECT COST%	UNITCOST	UNIT OF MEASURE CODE	CAPACITY	EFFICIENCY	SHOP CALENDAR CODE	OVERHEAD RATE		St.	
00	Assembly department	1	1.20	0	1.20	MINUTES	3	100	1	0.00	Manual	Work Center Statistics	
0	Packing department	1	1.50	0	1.50	MINUTES	1	100	1	0.00	Manual	THIS PERIOD	
0	Painting department	2	1.70	0	1.70	MINUTES	1	100	2	0.00	Manual	Expected Total Capacity	Janua 33,12
0	Machine department	2	2.50	0	2.50	MINUTES	1	100	2	0.00	Manual	Effective Capacity Efficiency %	33,12 10
												Tatal Cost Need Efficiency % Tatal Cost PROD_ORDER	
												Need (Qtv.)	3.3

#### 23. Work Center Card

Your Work Center Card now has new fields to show "Current Capacity Need", Allocated Time, and Machine Center Counts.

Report Work Ctr. Planning Show Attached Navigate Report	t Less options	ALL Drillable		ر ج
General			Work Center Statistics	
No Blocked			THIS PERIOD	
			Expected	January
Name Assembly department Last Date	Vlodified · · · · · · · ·		Total Capacity	33,120
Work Center Group Code · · · · · 1	pacity Need	1,548.00	Effective Capacity Efficiency %	33,120 100
			Total Cost	0
Allocated Vork Center	1me · · · · · · · · · · · · · ·	2,196.00	Need	0
			Efficiency %	0
Search Name · · · · · · · · · · · · ASSEMBLY DEPARTMENT Machine G	enter Count	3	Total Cost	0
			PROD. ORDER	
Posting			Need (Qty.)	3,310

#### 24. Machine Center List

### The Machine Center List now has a new M/C Statistics Fact Box

CRONUS	International Ltd. Inv	entory $\!$	n 🗸 — Capacities 🤉	$\sim$ Journals $\sim$	Posted Docume	nts 🗠					
Customers	Vendors Items Resource	s Work Centers Machi	ne Centers Loca	tions							忿
Machine Cer	nters: All ∽ │ ,	ch +New ×Delete R	eport 🗸 Mach. Ctr.	$\sim$ Planning $\sim$	Show Attached $\sim$	Open in Excel	Navigate $\sim$	Report - Less op	otions		🔳 🛈 s <sup>e</sup>
NO.	NAME	WORK CENTER NO.	CAPACITY	EFFICIENCY	DIRECTUNIT	INDIRECT COST	UNITCOST	OVERHEAD RATE	FLUSHING METHOD		
110	Mike Seamans	100	1	100	0.00	0	0.00	0.00	Manual	Machine Center Statistics	
120	Bryan Walton	100	1	100	0.00	0	0.00	0.00	Manual		
130	Linda Mitchell	100	1	100	0.00	0	0.00	0.00	Manual	THIS PERIOD Expected	January
210	Packing table 1	200	1	100	0.00	0	0.00	0.00	Manual	Total Capacity Effective Capacity	11,040
220	Packing table 2	200	1	100	0.00	0	0.00	0.00	Manual	Efficiency %	100
230	Packing Machine	200	1	100	0.00	0	0.00	0.00	Manual	Total Cost Need	0
310	Painting Cabin	300	1	100	0.00	0	0.00	0.00	Manual	Efficiency % Total Cost	0
320	Painting Robot	300	1	100	0.00	0	0.00	0.00	Manual		0
330	Drying Cabin	300	1	100	0.00	0	0.00	0.00	Manual	PROD. ORDER Need (Qty.)	780
340	Painting inspection	300	1	100	0.00	0	0.00	0.00	Manual		
410	Drilling machine	400	1	100	0.00	0	0.00	0.00	Manual	Notes +	

#### 25. Machine Center Card

Your Machine Center Card now has a new Statistics Fact Box, Drillable Current Capacity Need, and Allocated Time. (Similar to Work Center design)

MACHINE CENTER CARD		+ ±	I		
120 · Bryan V	Valton				
Mach. Ctr. Planning S	Show Attached Navigate Less	options	Drillable		0 s <sup>e</sup>
General				Machine Center Statistics	
No	120	Blocked		THIS PERIOD Expected	January
Name ·····	Bryan Walton	Last Date Modified		Total Capacity	11,040
Work Center No.	100 ~	Current Capacity Need	1,200.00		11,040 100
Search Name	BRYAN WALTON	Allocated Time	780.00	Total Cost Need	0
				Efficiency % Total Cost	0 0
Posting				PROD. ORDER	
Direct Unit Cost	0.00	Unit Cost	0.0	Need (Qty.)	780
Indirect Cost %	0	Flushing Method · · · · · · Ma	inual 1	Notes +	

Le constru
Journals

#### 26. Journals

Manufacturing Plus provides easier access to the many Manufacturing Oriented Journals. (IE: Consumption Journal and Output Journal.)

Dynamics 365	Business Central	Consumption Journals		
CRONUS Interr	national Ltd. Inv	ventory $arminis$ Product Design $arminis$	Capacities 🗸 🛛 <b>Journals</b> 🗸	Posted Documents∨
Item Journals Phys. Inventory Jou	Item Reclassificati urnal Revaluation Journ		ls Recurring Consumptic Recurring Output Jour	
Consumption Jou	mals:	$^\circ$ Search $+$ New Manage $\sim$ Pro	cess $\!$	☑ Open in Excel Actions ~ Less options
NAME		DESCRIPTION		NO. SERIES
DEFAULT		Default Journal		

#### 27. Consumption Journal

Manufacturing Plus added a new Fact Boxes.

- 1. Item Journal Totals
- 2. Supply Fact Box with Total Suppy
- **3.** Demand Fact Box with Total Demand and Net Available.

Batch Name					DEFAULT					
Manage	Process	Actions Navigate	Less options							() 7 <sup>4</sup>
POSTING DATE	ITEM NO.	DESCRIPTION	QUANTITY	UNIT OF MEASURE CODE	UNIT AMOUNT	APPLIES-TO ENTRY	APPLIES- FROM ENTRY	AMOUNT	Item Jnl. Totals	
1/23/2020	1700	Brake	4	PCS	9.765	0	0	39.06	Total Quantity Total Amount	
1/23/2020	: 1120	Spokes	2	PCS	2.00	0	0	4.00		
									Supply	
									Inventory	1
									Qty. on Req. Worksheet	
									Qty. on Purch. Order	
									Qty. on Prod. Order	
									Qty on Transit Order Qty. on Assembly Order	
									Net Supply	1
									Demand	
									Qty. on Component Lines	
									Qty. on Sales Order	
									Qty. on Service Order	
									Qty. on Service Order Qty. on Job Order	
PROD. ORDER	RNAME									
PROD. ORDER	NAME								Qty. on Job Order	

www.CostControlSoftware.com

#### 28. Output Journal

Manufacturing Plus added a new column for entry of the "Resource" that actually did the work. This makes it easier to allocate specific employee's time to a Production Order.

OUTPUT JOUR	NALS											
DEFA	UL	T · De	efault	Jour	nal							
Batch Name						DEFAULT						
Manage	Proces	ss i	Actions N	lavigate	Less options							0 2 <sup>4</sup>
POSTING DATE	C	ORDER LINE NO.	TYPE	N0.	DESCRIPTION	RESOURCE NO.↑	RUNTIME	CAP. UNIT OF MEASURE CODE	OUTPUT QUANTITY	SCRAP	Output Jnl Factbox	
1/23/2020	÷	10000	Machine Cen	t 130	Final assembly	MARY	50	MINUTES 🗸 🗸	0	0	Total Setup Time	0.0
1/23/2020		10000	Machine Cen	t 130	Final assembly	LINDA	90	MINUTES	0	0	Total Run Time	140.0
											Total Output Qty Total Amount	0.0

This Resource No. field is separate from the Machine Center and flows all the way through to the Production Order Audit Reports.

Also, a Totals Fact Box has been added for Total Output Quantity.

Output Journal has "Resource No." added to enable posting of Employee's Time against Production Orders. Details are posted to the Capacity Ledger Entries and Value Entries. This enables true "Activity Based Costing" for those that need a higher level of detail.

#### Worksheets

29. Requisition Worksheet -

Access your Requisition Worksheet from Actions: Tasks, Requisition Worksheet.

A total Fact Box has been added to the Requisition Worksheet and a Fact Box for Supply and a Fact Box for Demand Information.

IONS												
	_											
Tasks 🗸	> Gene	ral	> т	racking 🗉	Planning	Availiabilty	∕ ≣s	ubcontra	actor - Disp	atch L	ist	
									· · · · · · · · · · · ·			
Production	ion Forecasts	; 										
Requisitio	ion Workshee	et —										
Planning	g Worksheet											
	,										My Producti	ion Orde
Subcontr	racting Work	sheet 🗖		FIRMPLANNE	DELE	ASED						
				FIRMFLANNEL	J KELE	AJED						
Standard	d Cost Works	sheet		$\gamma$	6						STATUS	
Order Pla	lanning			2	U O						Released	
		_										
	- × -			- <b>&gt;</b>							Released	
		əfault	Jou	ırnal Batch								
DEFAU		efault	Jou	ırnal Batch	DEFAL	ΨŢ						
DEFAU			Jou	Irnal Batch	Less options	υŢ						 •
DEFAU Name	ULT · De					ULT ORIGINAL QUANTITY	QUANTITY	UNIT OF MEASURE CODE	DIRECTUNIT	ORIGIN DUED,	Item Supply Factbox	
DEFAU Name Manage TYPE Item	Process Repo NO. LS-10PC	ort A ACTION MESSAGE New	Actions AC ME	Navigate Report DESCRIPTION Black	Less options LOCATION CODE WHITE	ORIGINAL	100	MEASURE CODE BOX	COST 25.00		Inventory	
DEFAU Name Manage TYPE Item Item	Process Repo	ACTION MESSAGE New New	Actions AC AC ME Ø	Navigate Report DESCRIPTION Black Loudspeaker, Black, 120W	Less options LOCATION CODE WHITE WHITE	ORIGINAL	100 36	MEASURE CODE BOX PCS	COST 25.00 45.00		Inventory Qty. on Req. Worksheet	① <sup>x<sup>k</sup></sup>
DEFAU Name Manage TYPE Item Item	Process Repo	ACTION MESSAGE New New New	Actions AC ME Ø	Navigate Report DESCRIPTION Black Loudspeaker, Black, 120W Loudspeaker, Black, 120W	Less options CODE WHITE WHITE SILVER	ORIGINAL	100 36 36	MEASURE CODE BOX PCS PCS	COST 25.00 45.00 45.00		Inventory Qty. on Req. Worksheet Qty. on Purch. Order	
DEFAU Name Manage TYPE Item Item Item	NO. LS-10PC LS-120 LS-120 LS-120 LS-150	ACTION MESSAGE New New New New New	Actions AC ME Ø	Navigate Report DESCRIPTION Black Loudspeaker, Black, 120W Loudspeaker, Black, 120W Loudspeaker, Cherry, 150W	Less options CODE WHITE WHITE SILVER SILVER	ORIGINAL	100 36 36 32	MEASURE CODE BOX PCS PCS PCS	COST 25.00 45.00		Inventory Qty. on Req. Worksheet	① <sup>x<sup>k</sup></sup>
DEFAU Name Manage TYPE Item Item	Process Repo	ACTION MESSAGE New New New	Actions AC ME Ø	Navigate Report DESCRIPTION Black Loudspeaker, Black, 120W Loudspeaker, Black, 120W	Less options CODE WHITE WHITE SILVER SILVER	ORIGINAL	100 36 32 54	MEASURE CODE BOX PCS PCS	COST 25.00 45.00 45.00 72.00		Inventory Qty. an Req. Worksheet Qty. an Purch. Order Qty. an Prad. Order Qty an Transit Order Qty. an Assembly Order	0 7 <sup>±</sup>
DEFAU Name Manage TYPE Item Item Item Item	NO. LS-10PC LS-120 LS-120 LS-150 LS-150	ACTION MESSAGE New New New New New	Actions AC ME ME ME ME ME ME ME ME ME ME ME ME ME ME ME ME ME	Navigate Report DESCRIPTION Black Loudspeaker, Black, 120W Loudspeaker, Cherry, 150W Loudspeaker, Cherry, 150W	Less options CODE WHITE SILVER SILVER WHITE	ORIGINAL	100 36 32 54 32	MEASURE CODE BOX PCS PCS PCS PCS	COST 25.00 45.00 45.00 72.00 72.00		Inventory Qty. on Req. Worksheet Qty. on Purch. Order Qty. on Prod. Order Qty on Transit Order	① <sup>x<sup>k</sup></sup>
DEFAU Name Manage TYPE Item Item Item Item Item	N0 N0 LS-10PC LS-120 LS-150 LS-150 LS-150 LS-150	ACTION MESSAGE New New New New New New New	Actions AC ME Ø Ø Ø Ø Ø	Navigate Report DESCRIPTION Black Loudspeaker, Black, 120W Loudspeaker, Cherry, 150W Loudspeaker, Cherry, 150W Loudspeaker, Cherry, 150W	Less options CODE WHITE WHITE SILVER SILVER SILVER WHITE WHITE	ORIGINAL	100 36 32 54 32 20	MEASURE CODE BOX PCS PCS PCS PCS PCS	COST 25.00 45.00 72.00 72.00 72.00		Inventory Qty. on Req. Worksheet Qty. on Purch. Order Qty. on Prod. Order Qty. on Trashit Order Qty. on Assembly Order Net Supply	0 7 <sup>±</sup>
DEFAU Name Manage TYPE Item Item Item Item Item Item	NO. ULT · DE Process Repc LS-10PC LS-120 LS-150 LS-150 LS-150 LS-2	ACTION MESSAGE New New New New New New New New	Actions AC ME Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø	Navigate Report DESCRIPTION Black Loudspeaker, Black, 120W Loudspeaker, Cherry, 150W Loudspeaker, Cherry, 150W Loudspeaker, Cherry, 150W Coudspeaker, Cherry, 150W	Less options CODE WHITE WHITE SILVER SILVER WHITE WHITE	ORIGINAL	100 36 32 54 32 20 10	MEASURE CODE BOX PCS PCS PCS PCS BOX	COST 25.00 45.00 72.00 72.00 72.00 72.00 15.00		Inventory Qty. an Req. Worksheet Qty. an Purch. Order Qty. an Prad. Order Qty an Transit Order Qty. an Assembly Order	0 7 <sup>±</sup>
DEFAU Name Manage TYPE Item Item Item Item Item Item Item Item	N0. LS-10PC LS-120 LS-120 LS-120 LS-150 LS-150 LS-2 LS-2 LS-2 LS-2 LS-2	ACTION MESSAGE New New New New New New New New New New	Actions AC ME Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø	Navigate Report DESCRIPTION Black Loudspeaker, Black, 120W Loudspeaker, Black, 120W Loudspeaker, Cherry, 150W Cables for Loudspeakers Cables for Loudspeakers Cables for Loudspeakers	Less options CODE WHITE WHITE SILVER SILVER WHITE WHITE WHITE WHITE WHITE	ORIGINAL	100 36 32 54 20 10 20 0 0	MEASURE CODE BOX PCS PCS PCS PCS BOX BOX BOX BOX	COST 25.00 45.00 72.00 72.00 72.00 15.00 15.00 15.00 0.00		Inventory Qty. on Req. Worksheet Qty. on Purch. Order Qty. on Prod. Order Qty. on Trashit Order Qty. on Assembly Order Net Supply	0 7 <sup>±</sup>
DEFAI Name Manage TYPE Item Item Item Item Item Item Item Item	Process Repo NO. LS-10PC LS-120 LS-120 LS-150 LS-150 LS-150 LS-2 LS-2 LS-2 LS-2 LS-2 LS-2 LS-75	ACTION MESSAGE New New New New New New New New New New	Actions AC ME Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø	Navigate Report DESCRIPTION Black Loudspeaker, Black, 120W Loudspeaker, Black, 120W Loudspeaker, Cherry, 150W Loudspeaker, Cherry, 150W Cables for Loudspeakers Cables for Loudspeakers Cables for Loudspeakers Black	Less options CODE WHITE WHITE SILVER WHITE WHITE WHITE WHITE SILVER	ORIGINAL QUANTITY	100 36 32 54 20 10 20 0 2.5	MEASURE CODE BOX PCS PCS PCS PCS BOX BOX BOX BOX BOX PALLET	COST 25.00 45.00 72.00 72.00 72.00 15.00 15.00 15.00 0.00 576.00		Inventary City. on Req. Worksheet City. on Purch. Order City. on Prad. Order City. on Assembly Order Otder Net Supply Item Demand Factbox City. on Component Lines City. on Component Lines City. on Sales Order	0 7 <sup>±</sup>
DEFAU Name Manage TYPE Item Item Item Item Item Item Item Item	NO. LS-10PC LS-120 LS-120 LS-150 LS-150 LS-150 LS-2 LS-2 LS-2 LS-2 LS-2 LS-2 LS-75 LS-75	ACTION MESSAGE New New New New New New New New New New	Actions Ac ME Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø	Navigate Report DESCRIPTION Black Loudspeaker, Black, 120W Loudspeaker, Cherry, 150W Loudspeaker, Cherry, 150W Loudspeaker, Cherry, 150W Cables for Loudspeakers Cables for Loudspeakers Cables for Loudspeakers Cables for Loudspeakers Black	Location code WHITE WHITE SILVER WHITE WHITE WHITE WHITE WHITE WHITE WHITE WHITE WHITE WHITE	ORIGINAL QUANTITY	100 36 32 54 20 10 20 0 2.5 2.5	MEASURE CODE BOX PCS PCS PCS PCS PCS BOX BOX BOX BOX PALLET PALLET	COST 225.00 45.00 72.00 72.00 72.00 15.00 15.00 15.00 0.00 0.00 576.00		Inventory Dy. on Req. Worksheet Dy. on Prach. Order Dy. on Prach. Order Dy. on Assembly Order Net Supply Item Demand Factbox Dy. on Component Lines Dy. on Component Lines Dy. on Component Lines Dy. on Service Order	0 x <sup>4</sup>
DEFAU Name Manage TYPE Item Item Item Item Item Item Item Item	N0. N0. LS-10PC LS-120 LS-120 LS-150 LS-150 LS-150 LS-2 LS-2 LS-2 LS-2 LS-2 LS-75 LS-75 LS-MAN-10	ACTION MESSAGE New New New New New New New New Cancel New New New New New	Actions Acc ME Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø	Navigate Report DESCRIPTION Black Loudspeaker, Black, 120W Loudspeaker, Cherry, 150W Loudspeaker, Cherry, 150W Cables for Loudspeakers Cables for Loudspeakers Cables for Loudspeakers Black Manual for Loudspeakers	Less options CODE WHITE SILVER SILVER SILVER WHITE WHITE WHITE SILVER WHITE SILVER	ORIGINAL QUANTITY	100 36 32 54 20 10 2 0 2.5 2.5 1,000	MEASURE CODE BOX PCS PCS PCS PCS PCS BOX BOX BOX BOX BOX BOX PALLET PALLET PCS	COST 25.00 45.00 72.00 72.00 15.00 15.00 15.00 0.00 576.00 576.00		Inventory Dy, on Req. Worksheet Dy, on Purch. Order Dy, on Pard. Order Dy, on Assembly Order Net Supply Item Demand Factbox Dy, on Component Lines Dy, on Sales Order Dy, on Service Order Dy, on Do Order	0 x <sup>4</sup>
DEFAU Name Manage TYPE Item Item Item Item Item Item Item Item	Process Repo NO. LS-10PC LS-120 LS-120 LS-150 LS-150 LS-150 LS-2 LS-2 LS-2 LS-2 LS-2 LS-75 LS-75 LS-75 LS-75 LS-75 LS-75 LS-76AN-10 LS-MAN-10	ACTION MESSAGE New New New New New New New New New New	Actions Acc ME Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø	Navigate Report DESCRIPTION Black Loudspeaker, Black, 120W Loudspeaker, Black, 120W Loudspeaker, Cherry, 150W Loudspeaker, Cherry, 150W Loudspeaker, Cherry, 150W Cables for Loudspeakers Cables for Loudspeakers Black Black Black Manual for Loudspeakers Manual for Loudspeakers	Location Code WHITE SILVER SILVER WHITE WHITE WHITE SILVER WHITE SILVER WHITE SILVER WHITE SILVER WHITE SILVER	ORIGINAL QUANTITY 100	100 36 32 54 32 20 10 20 0 20 0 25 2.5 2.5 1,000 1,000	MEASURE CODE BOX PCS PCS PCS PCS BOX BOX BOX BOX BOX PALLET PALLET PALLET PCS	COST 25.00 45.00 72.00 72.00 72.00 15.00 15.00 15.00 0.00 576.00 576.00 12.00		Inventory Qb; on Req. Worksheet Qb; on Plurch. Order Qb; on Prad. Order Qb; on Frant: Order Qb; on Assembly Order Net Supply Item Demand Factbox Qb; on Sales Order Qb; on Service Order Qb; on Job Order Qb; on Job Order	0 x <sup>4</sup>
DEFAU Name Manage TYPE Item Item Item Item Item Item Item Item	N0. N0. LS-10PC LS-120 LS-120 LS-150 LS-150 LS-150 LS-2 LS-2 LS-2 LS-2 LS-2 LS-75 LS-75 LS-MAN-10	ACTION MESSAGE New New New New New New New New Cancel New New New New New	Actions Acc ME Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø	Navigate Report DESCRIPTION Black Loudspeaker, Black, 120W Loudspeaker, Cherry, 150W Loudspeaker, Cherry, 150W Cables for Loudspeakers Cables for Loudspeakers Cables for Loudspeakers Black Manual for Loudspeakers	Less options CODE WHITE SILVER SILVER SILVER WHITE WHITE WHITE SILVER WHITE SILVER	ORIGINAL QUANTITY	100 36 32 54 20 0 10 20 0 2.5 2.5 2.5 1.000 1.000	MEASURE CODE BOX PCS PCS PCS PCS PCS BOX BOX BOX BOX BOX BOX PALLET PALLET PCS	COST 25.00 45.00 72.00 72.00 15.00 15.00 15.00 0.00 576.00 576.00		Inventory Dy, on Req. Worksheet Dy, on Purch. Order Dy, on Pard. Order Dy, on Assembly Order Net Supply Item Demand Factbox Dy, on Component Lines Dy, on Sales Order Dy, on Service Order Dy, on Do Order	

Page 28

Optional: A hard copy report of the Requisition Worksheet is available in our "Manufacturing Reports Pack". The totals act as a Cash Requirements Rpt. (Ask for a Quote on this Granule)

ault J	lournal	Batch		- <u>/i</u> i								
R	Report			Requisit	ion Line Report	MR						
	-	1		14 4	1 of 1	▶ H  ⊗ ∰		🛃 =   10	00%	•	Find	Ne×
	Order Tracking		Requisition Inventory Line Report Availability	CRONUS	Manufacturing Plus 201	3		🔶 Requi	sition Line	•		
Proce	ess			Type	No.	Description	Action Message	Accept Action Message	Due Date	Vendor No.	Original Quantity	Quantit
				13104	Worksheet Template		PLANNING	message	Duc Duic	Tendor No.	quantity	Quantit
	Accept Acti	Description	Location Code (		Journal Batch Name							
	~	Black	SILVER	Item	1110	Rim	New	False	1/6/2013	01587796	0	
	V	Black	WHITE	ltem ltem	1110 1310	Rim Chain	New New	False False	1/6/2013 1/8/2013	01587796 32456123	0	
	-		WHITE	Item	1320	Chain Wheel Front	New	False	1/8/2013	32456123	0	
		Loudspeaker, Black, 120W		Item	1330	Chain Wheel Back	New	False	1/8/2013	32456123	0	
	V	Loudspeaker, Black, 120W	SILVER				Total for Jou	umal Batch Na		DEFAULT		
	~	Loudspeaker, Cherry, 150W	SILVER									
	~	Loudspeaker, Cherry, 150W	WHITE				Total for Wo	orksheet Templ		PLANNING		
	~	Loudspeaker, Cherry, 150W	WHITE		Worksheet Template	Name	REQ					
	~	Cables for Loudspeakers	WHITE		Journal Batch Name	DEFAULT						
	•	Cables for Loudspeakers	WHITE	Item	LS-10PC	Black	New	True	10/4/2012	40000	0	
	1	Cables for Loudspeakers	WHITE	Item	LS-10PC	Black	New	True	10/4/2012	40000	0	
	V	Cables for Loudspeakers	WHITE	Item	LS-120	Loudspeaker, Black, 12	New	True	10/4/2012	40000	0	
	-	·		Item	LS-120	Loudspeaker, Black, 12		True	10/4/2012		0	
	V	Black	SILVER	ltem ltem	LS-150 LS-150	Loudspeaker, Cherry, 1 Loudspeaker, Cherry, 1	New New	True True	10/1/2012	50000 50000	0	
_	V	Black	WHITE	Item	LS-150	Loudspeaker, Cherry, 1 Loudspeaker, Cherry, 1		True	1/17/2014		0	
_				item	LS-2	Cables for Loudspeaker		True	1/15/2014	30000	0	
	endor Na			Item	LS-2	Cables for Loudspeaker		True	1/15/2014		0	
Home	e Furnitur	re	44,568.54	Item	LS-2	Cables for Loudspeaker	New	True	1/15/2014		0	
				Item	LS-2	Cables for Loudspeaker	Cancel	True	1/21/2014	30000	100	
				Item	LS-75	Black	New	True	10/1/2012	30000	0	

#### 30. Planning Worksheet -

A Supply and Demand Fact Boxes have been added to the Planning Worksheet.

S	SCRIPTION	LOCATION CODE	ORIGINAL QUANTITY	QUANTITY	UNIT OF MEASURE CODE	DIRECT UNIT COST	ORIGIN DUED₂	Item Supply Factbox	
cł	k	WHITE		100	BOX	25.00		Inventory	
uc	dspeaker, Black, 120W	WHITE		36	PCS	45.00		Qty. on Req. Worksheet	
uc	dspeaker, Black, 120W	SILVER		36	PCS	10		Qty. on Purch. Order	<u>6</u>
uc	dspeaker, Cherry, 150W	SILVER		32	PCS	72.00		Qty. on Prod. Order	
uc	dspeaker, Cherry, 150W	WHITE		54	PCS	72.00		Qty on Transit Order	
uc	dspeaker, Cherry, 150W	WHITE		32	PCS	72.00		Qty. on Assembly Order	
bl	les for Loudspeakers	WHITE		20	BOX	15.00		Net Supply	6
bl	les for Loudspeakers	WHITE		10	BOX	15.00		n e te d	
bl	les for Loudspeakers	WHITE		2	BOX	15.00		Item Demand Factbox	
bl	les for Loudspeakers	WHITE	100	0	BOX	0.00		Qty. on Component Lines	
ıck	k	SILVER		2.5	PALLET	576.00		Qty. on Sales Order	7
ıcł	k	WHITE		2.5	PALLET	576.00		Qty. on Service Order	-
an	nual for Loudspeakers	SILVER		1,000	PCS	12.00		Qty. on Job Order	
an	nual for Loudspeakers	WHITE		1,000	PCS	12.00		Qty. on Asm. Component	
an	nual for Loudspeakers	WHITE	100	60	PCS	12.00		Net Demand	7
an	nual for Loudspeakers	WHITE	50	0	PCS	0.00		Net Available	-
an	nual for Loudspeakers	WHITE	50	60	PCS	12.00			

www.CostControlSoftware.com

#### 31. Planning Worksheet -

Planning Worksheet Total Amounts have been added to the Planning Worksheet in a new Fact Box:

11 1012020	171772020 0.007 0.	171772020 1 1.00	coacopeaker, energy, 10000			
1/17/2020	1/16/2020 8:00 🛗	1/16/2020 11:00	Loudspeaker, Cherry, 150W		Demand	
1/15/2020	1/14/2020 8:00 A	1/15/2020 11:00	Cables for Loudspeakers		Qty. on Component Lines	0
1/15/2020	1/14/2020 8:00 A	1/15/2020 11:00	Cables for Loudspeakers		Qty. on Sales Order	74
1/15/2020	1/14/2020 8:00 A	1/15/2020 11:00	Cables for Loudspeakers		Qty. on Service Order	0
1/21/2020	1/20/2020 12:00	1/20/2020 12:00	Cables for Loudspeakers	100	Qty. on Job Order	0
12/9/2018	12/8/2018 8:00 A	12/8/2018 11:00	Black		Qty. on Asm. Component	0
12/9/2018	12/8/2018 8:00 A	12/8/2018 11:00	Black		Net Demand	74
12/9/2018	12/8/2018 8:00 A	12/8/2018 11:00	Manual for Loudspeakers		Net Available	-6
12/9/2018	12/8/2018 8:00 A	12/8/2018 11:00	Manual for Loudspeakers			
1/21/2020	1/20/2020 12:00	1/20/2020 12:00	Manual for Loudspeakers	100	Plan. Worksheet Totals	
					Production Orders Purchase Orders	0.00 44,869.00
	ROUTING DESCRIPTIO	JN			Transfer Orders	1,560.00
					Worksheet Total	46,429.00

#### **Production Order Enhancements**

Go to your Released Production Order List: (Drill on the "Released" Tile)

CRONUS International Ltd.   Inventory >>> Product Design >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	nals $\vee$ – Posted Documents $\vee$
Customers Vendors Items Resources Work Centers Machine Centers Locations	
ACTIONS  Tasks > General > Tracking 🗄 Planning Availiability 🗏 Subcontractor - Dispatch	ch List
Insights	
MFG Plus Activities PRODUCTION	My Production Orders∨
SIMULATED PLANNED FIRMPLANNED RELEASED	PRODUCTION ORDER STATUS NO.
0 1 2 6	Released : 1011002
	Released 1011004
SALES SALES ORDERS SALES SALES CR. INVOICES MEMOS	My Items∨
0 42 1 1	ITEM NO. DESCRIPTION
	1000 Bicycle
	1001 Touring Bicycle

**33.** Production Order List and Card. Now shows Expected Cost and Actual Cost Fact Box. This way you have real time data on your production.

<ul> <li>✓ Search</li> <li>✓ Edit <a></a></li> </ul>	+ New <u>Manage</u> View ★ Delete	Process	Report	Show Attached	💶 Open in	Excel	Actions	Navigate	Report	Less options	
NO.	DESCRIPTION	SOURCENO.	ROUTING NO.	QUANTITY	STARTING DATE	ENDING DATE	DUEDATE	ASSIGNED USER ID	STATUS		
101001	Loudspeaker 100W Oakw	LS-100		15	12/31/2018	12/31/2018	1/1/2019		Released	Expected Cost Factbox	
101002	Loudspeaker 100W Oakw	LS-100		12	12/31/2018	12/31/2018	1/1/2019		Released	EXPECTED COST	
101003	Loudspeaker 100W Oakw	LS-100		10	12/31/2018	12/31/2018	1/1/2019		Relea	Material Cost	8,72
1011002	Bicycle	1000	1000	27	1/27/2020	1/30/2020	1/31/2020	-	Released	Capacity Cost Subcontracted Cost	52
1011003	Bicycle	1000	1000	16	1/28/2020	1/30/2020	1/31/2020		Released	Capacity Overhead	
1011004	Bicycle	1000	1000	10	1/29/2020	1/30/2020	1/31/2020		eleased	Manufacturing Overhead Total Cost	9,24
										Cost Per Unit Capacity Need Capacity in Hours Parts Per Hour 	342 1, 27
										Actual cost	
										Material Cost Capacity Cost Subcontracted Cost Capacity Overhead Manufacturing Overhead Total Cost Cost Per Unit Actual Time Used Capacity in Hours	8,720 520 0 0 9,241 342 1, 27

34. Released Production Order, Production Order Line

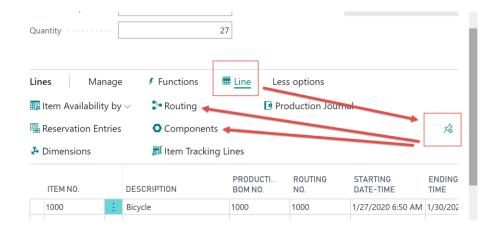
Manufacturing Plus added columns for Estimated and Actual Material Cost and Estimated and Actual Capacity Cost to Production Order Lines. (4 new columns)

ITEM NO.		REMAINING QUANTITY	UNITCOST	COST AMOUNT	EST. MATERIAL COST	ACT MATERIAL COST	EST. CAPACITY COST	ACT CAPACITY COST
1000	÷	0	350.594	9,466.04	8,720.85	8,720.85	520.80	520.80
	_							

**35. Production Order Card has improved field positions to display BOM and Routing Information.** 

New Line	× De	llete Line 🛛 📴 MP Ro	outing 🔷 MP (	Components	🔳 Calc Materia	al Constraint		×8
ITEM NO.		DESCRIPTION	PRODUCTI BOMINO.	ROUTING NO.	MATERIAL CONSTRAINT DATE	STARTING DATE-TIME	ENDING DATE- TIME	QUANTITY
1000		Bicycle	1000 ~	1000		1/27/2020 12:50	1/30/2020 4:00 P	27

**36.** TIP: Production Order Card, Line, Pin the choices for easy access to Router and Components.



#### **37.** Production Order, Line, Components:

#### The "Unit Cost" is now visible for better information.

🔎 Search	+ New	🐯 Edit List	🗙 Delete	Process	Availability	Production	Show Attac	ned 🛛 🚺 Op	oen in Excel	Actions	Navigate L	ess options	=
ITEM NO.		ILEST ILAB E DUEDATE	DESCRIPTIO	N	QUANTITY	UNIT OF MEASURE CODE	BOM NO.	FLUSHING METHOD	EXPECTED	ACT. CONSUMPTION (QTY)	REMAINING QUANTITY	UNITCOST	SUB. Aval.
1100		1/27/202	0 Front Wheel		1	PCS	1100	Manual	27	27	0	129.671	No
1200		1/27/202	0 Back Wheel		1	PCS	1200	Manual	27	27	0	129.6815	No
1300	1	1/27/202	0 Chain Assy		1	PCS	1300	Manual	27	27	0	13.1565	No
1400		1/27/202	0 Mudguard fr	ont	1	PCS	_	Manual	27	27	0	3.90	No
1450		1/27/202	0 Mudguard b	ack	1	PCS	_	Manual	27	27	0	3.90	No
1500		1/27/202	0 Lamp		1	PCS	_	Manual	27	27	0	5.20	No
1600		1/27/202	0 Bell		1	PCS	_	Manual	27	27	0	2.70	No
1700		1/27/202	0 Brake		1	PCS	1700	Manual	27	27	0	9.765	No
1800		1/27/202	0 Handlebars		1	PCS	_	Manual	27	27	0	2.12	No
1850		1/27/202	0 Saddle		1	PCS	_	Manual	27	27	0	7.20	No
1900		1/27/202	0 Frame		1	PCS	_	Manual	27	27	0	15.70	No

#### 38. Released Production Order's Routing

Manufacturing Plus adds actual Output Qty and Remaining Qty per Operation for better information per Operational Step.

🔎 Search	+ New	📴 Edit List	X Delete Process	Show Attached	d 🛛 💶 Open in E	xcel Actions	s Navigate	Less options				
Comments	🛐 Tools	🚨 Personnel	🙇 Quality Measures									
DIT – PROD. ORDE	ER ROUTING - 101	1002 BICYCLE10	00 + New									
OPERATI NO.	TYPE	NO.	DESCRIPTION	MATERIAL CONSTRAINT DATE	STARTING DATE-TIME	ENDING DATE- TIME	INPUT QUANTITY	ACTUAL OUTPUT QTY	REMAINING QUANTITY	SETUPTIME	RUNTIME	WAI
10	Work Center	100	Wheel assembly		1/27/2020 12:50	1/28/2020 12:04	27	27.00	0.00	110	12	
20	Machine Cen	t 120	Chain assembly		1/28/2020 12:04	1/29/2020 11:04	27	27.00	0.00	15	15	
30	Machine Cen	t 130	Final assembly		1/29/2020 11:04	1/30/2020 12:14	27	27.00	0.00	10	20	
40	Machine Cen	110	Control		1/30/2020 12:14	1/30/2020 4:00 P	27	27.00	0.00	10	8	

39. TIP: Navigate to your Routing Line's "Allocated Capacity" from the "Line" option shown below. You get more details from this view.

	New 🐺 E	dit List 🗙 Delete	Process	Show Attached	📲 Open	in Excel	Actions	Navigate L	ess options
Comments	3 - 1011002	BICYCLE1000 +	Tip: View	/ Capacity N	eed				
Perso nel	NG	ENDIN DATE-	QUANTITY		OUANTITY	SETUPTIME	UNITCOST	RUNTIME	WAITTI
	NG IME 20 12:50 .	ME	QUANTITY 27	0UTPUT QTY 27.00	QUANTITY 0.00	SETUP TIME	UNITCOST PER 1.20	RUN TIME	WAITTI
Perso nel	IME 20 12:50 .	ME					PER		WAITTI
Perso nel	IME 20 12:50 20 12:04	<sup>2</sup> лчЕ 1/28/2020 12:04	27	27.00	0.00	110	PER 1.20	12	WAITTI

#### 40. Production Order Statistics has been enhanced (From List or Card)

Use "Production Order Statistics". The Manufacturing Plus version shows: Capacity in Hours, Parts per Hour, and Variance to Expected Cost.

∕⊃ Search	+ New	Manage	Process	Report	Show Attac	:hed	💶 Open in I	Excel	Action	s Navigate	Report L	_ess opt
ltem Ledge	er Entries	Capacity Le	edger Entries	S Char	nge Status	🕏 Upo	late Unit Cos	t 🖻 St	atistics	Production	Order Statistics	1
01001	Loudspeak	er 100W Oakw	LS-100			15	12/31/2018	12/31/201	3 1/1/20 <sup>-</sup>	9	Released	Exp
01002	Loudspeak	er 100W Oakw	LS-100			12	12/31/2018	12/31/201	3 1/1/20	19	Released	
01003	Loudspeak	er 100W Oakw	LS-100			10	12/31/2018	12/31/201	3 1/1/201	19	Released	EXPE Mate
011002	Bicycle		1000	1000		27	1/27/2020	1/30/2020	1/31/20	)20	Released	Capa
011003	Bicycle		1000	1000		16	1/28/2020	1/30/2020	1/31/20	020	Released	Subc Capa
			1000	1000		10	1/29/2020	1/30/2020	1/31/20	120	Released	Mani
RELEASED P	Bicycle RODUCTION ( )02 ·			1000					+	<b>İ</b>	NEIE3560	Cost Capa
released p 1011C Process		Bicycl		Navigat	e Repor		ss options		+		N2IEd360	Cost Capa
RELEASED P 1011C Process <u>Order</u> ~		Bicycl	e Actions			t Le	ss options		+		Released	Cost Capa
released p 1011C		Bicycl	e		From	t Le Prod	ss options		+		N2IEd360	Cost Capa Capa
RELEASED P 1011C Process <u>Order</u> ~	RODUCTION C )02 ·   Show Atta	Bicycl	e Actions			t Le Prod	ss options		+	Î.		Total Cost Capa Cono
RELEASED P 1011C Process <u>Order</u> ~	RODUCTION C )02 ·   Show Atta ,	Bicycl	e Actions		From	t Le Prod nis St	ss options . Order ats		JE	31/2020		Cost Capa Capa
RELEASED P 1011C Process Order ~ Entries Dimens	RODUCTION C )02 ·   Show Attar , ions	Bicycl	e Actions		From use th	t Le Prod nis Si	ss options . Order ats	© Card,		■ 31/2020		Cost Capa Capa
1011C Process Order ~ Entries Dimens Plannin Natistic	RODUCTION C )02 ·   Show Attar , ions	Bicycl	e Actions		From	t Le Prod nis Si	ss options . Order ats	© Card,		31/2020		Cost Capa Capa
RELEASED P 1011C Process Drocess Conter ~ Entries Dimens Plannin Plannin Plansit	RODUCTION C 002 · 1 Show Attai show Attai show Attai	Bicycl	e Actions		From use th	t Le Prod bis St	ss options . Order ats	© Card,	), @	■ 31/2020		Cost Capa Capa

Lines Managa Mara antiana

PRODUCTION ORDER STATIS	STICS				🥟 +	Ŵ				
1011002 · E	Bicycl	е								
Report Report	Less op	tions								
Standard Lot Size										10.00
Prod. Order Qty.										27
General										
	STANDAR		EXPECTEDCOST	ACTUALCOST	DEV. %		STDCOSTVARIANCE	STD COST DEV. %	EXP. COST VARIAN_	EXP COST DEV. %
Material Cost		9,597.97	8,720.85	8,720.85		-9	-877.12	-9	0.00	
Capacity Cost		0.00	520.80	520.80		0	520.80	0	0.00	
Subcontracte		0.00	0.00	0.00		0	0.00	0	0.00	
Capacity Ove New V	alues	0.00	0.00	0.00		0		0	0.00	
Manufacturin		0.00	0.00	0.00		0	New Value	s 0	0.00	
Total Cost		2.97	9,241.65	9,241.65		-4		-4	0.00	
Capacity Need	MINUTES					0				
Cost Per Unit		0.00	0.00	0.00						
								0		
Capacity Need			1,630	1,630			0.00		0.00	
Capacity in Hours			0.00	0.00			0.00		0.00	
Parts Per Hour			0.00	0.00			0.00		0.00	

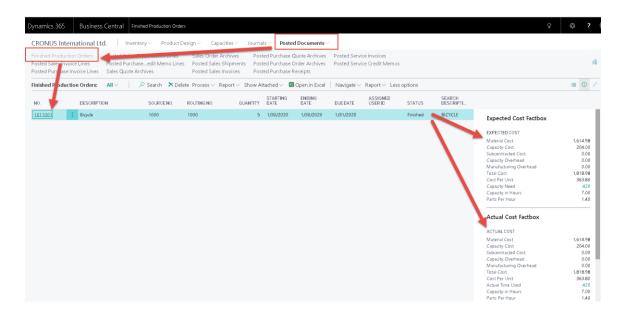
Much more statistical information provided in this view.

History

#### 41. Finished Production Orders

Access your "Finished Production Orders" from the "Posted Documents" (first choice)

Manufacturing Plus enhances the List and Card Page with all the same data access as a Released Production Order with Expected and Actual Fact Boxes too.



#### 42. Production Order "Audit" Report = "Estimate vs Actual Details"

Manufacturing Plus includes this Audit Report for your reporting needs.

CRONUS Int	ernational Lt	:d. │ Inventory∨	Product De	sign∨ C	Capacities $\smallsetminus$	Journals $\vee$	Posted D	ocuments	/
Finished Produc Posted Sales Inv Posted Purchas	voice Lines	Posted Sales Credit M Posted Purchaseedi Sales Quote Archives	it Memo Lines	Posted Sa	der Archives ales Shipments ales Invoices		chase Ord	ote Archives Ier Archives eipts	Pos Pos
Finished Produ	ction Orders:	All ∽	arch 🕆 Delet	te Process	Report∨ S	how Attached	V 🚺 Op	pen in Excel	Na
NO.	DESCRIPTI		URCENO.	ROUTING NO.	-	n Order Job Car	ď	DING TE	DUI
1011001	Bicycle	100	00	1000		s Actual Detail		0/2020	1/3
					Production     Production	n Order - Comp n Order List n Order - Shorta n Order Statistic	age List	ng	

CRONUS International Ltd. Production Order:				Pro	duction Order -	Expected an	) etails	CCSNET/RI Report Prod	CK . Order - Expec	December t Actual (14004		Page			
No.		Statu	s	Des	cription	Sourc	e No.	Quant	iity Star	ting Date	Ending Dat	e Due	Date		
0110	101	Finist	ned	Bicy	/cle	1000		5	1/	30/2020	1/30/2020	1/31/	2020		
	Line No 10000		tem No. 000		Description Bicycle		Quantity 5	Fin	ished Quanti	ty Rei 6	maining Quarr	iity D	Indirect	Cost% 0 D	iverhead R
Ope No.	ration	Туре	Starting Date	No.	Description	Routing Link Code	Setup	Time	Run Time	Unit Cost per	Overhead Rate	Expected Operation C	Expected Capacity	Expected Sub Cost	Expects Cap
10		Work Center Operation No.	1/30/2020 Posting Date	100 No.	Wheel assembl Document No.	100 Туре	Description	110	12 Resource No.	1 20 Setup Time	0 Run Time	204.00 Quantity	204.00 Direct Cost	0.00 Subcontract ing	0 Overhe C
	Actuals:	10	9/4/20 20	100	1011001	Work Center	Wheel assen	nbly		0	170 SubTotal:	170 170 <i>0</i> 0	204 D0 204 D0		c c
20		Machine Ce	1/30/2020	120	Chain a ssembly			15	15	0.00	0	00.0	0.00	0.00	ſ
		Operation No.	Posting Date	No.	Document No.		Description		Resource No.	Setup Time	Run Time	Quantity		Subcontract ing	Overhe C
	Actuals:	20	9/4/2020	120	1011001	Machine Center	Chain assem	,		0	90 SubTotal:	00 01.00	00.0 00.0		( (
30		Machine Ce	1,30,202.0		Final assembly			10	20	0.00	0	00.0	0.00	0.00	c
		Operation No.	Posting Date	No.	Document No.		Description		Resource No.	Setup Time	Run Time	Quantity		Subcontract ing	Overhe C
	Actuals:	30	9/4/2020	130	1011001	Machine Center	Final assemb	oly		0		110	00.0		(
40		Machine Ce	1/30/2020	110	Control	300		10	8	00.0	SubTotal: D	110 D0 0 D0	00.0 00.0	0.00	1
		Operation No.	Posting Date	No.	Document No.		Description	10	Resource No.	Setup Time	Run Time	Quantity		Subcontract	Overhe C
	Actuals:	40	9/4/20 20	110	1011001	Machine Center	Control			0	50	50	0.00		í.
											SubTotal:	50.00	00.0		ſ
							Expected					204.00	204	0.00	
													Expected	Actual	
										Capacity Cost			204	204.00	
										Subcontract			00.0	0.00	
										Capacity OH			00.0	0.00	
										Time			2520 0000	420	

#### **43. Posted Documents**

This Role Center Choice gives you quick access to your key Posted Documents:

Dynamics 365 Busin	ess Central Po	sted Sales Invoice Lines				
CRONUS Internationa	I Ltd.   Inver	itory∨ Product D	esign 🗸 🛛 Capacitie	es 🗸 🛛 Journals 🗸 🛛 <b>Posted Doci</b>	ıments∨	
Finished Production Orders Posted Sales Invoice Lines Posted Purchase Invoice Lin	Posted Purch	Credit Memo Lines aseedit Memo Lines archives	Sales Order Arch s Posted Sales Shij Posted Sales Invo	oments Posted Purchase Order A	Archives Posted Service	e Invoices e Credit Memos
Posted Sales Invoice Lines	: All ~   ,	🔎 Search Show Ati	tached 🗸 🛛 💶 Open i	n Excel   Navigate 🗸 Less optio	ns	
DOCUMENT NO.	SELL-TO CUSTOMI	R TYPE	NO.	EIne	🗟 Show Document	UNIT OF MEASURE
103001	10000	Resource	TIMOTHY	Assembling Furniture, January	Dimensions	25 HOUR
103001	10000	Resource	TIMOTHY	Assembling Furniture, January	Item Tracking Lines	120 MILES
103002	20000	Resource	TIMOTHY	Assembling Furniture, January		25 HOUR
103002	20000	Resource	TIMOTHY	Assembling Furniture, January		96 MILES
103003	30000	Resource	TIMOTHY	Assembling Furniture, January		25 HOUR

#### Reporting

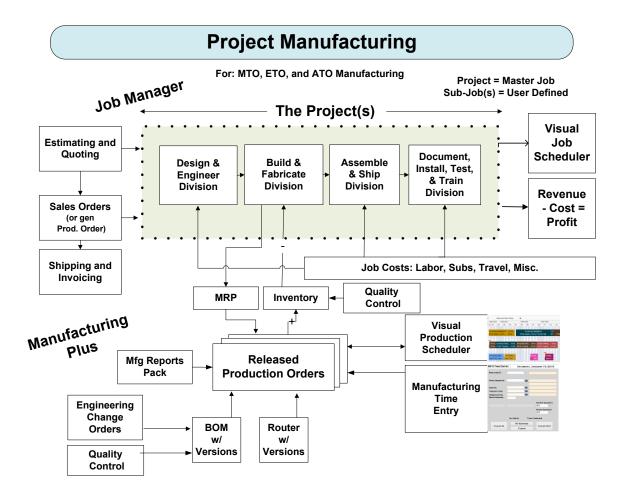
"Manufacturing Reports Pack" is now an optional Granule.

Please request a Brochure to see samples of the available Reports.

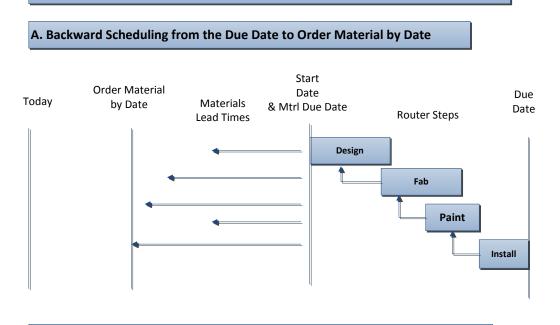
### Product Roadmap – Fall of 2019

"Project Manufacturing" - Integration of Job Manager and Manufacturing Plus.

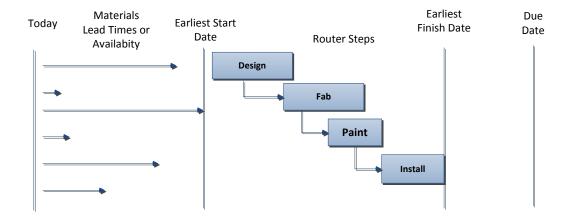
Be sure this applies to your business.
 Spend time with Cost Control Software to discuss this concept.



**Scheduling Options** 

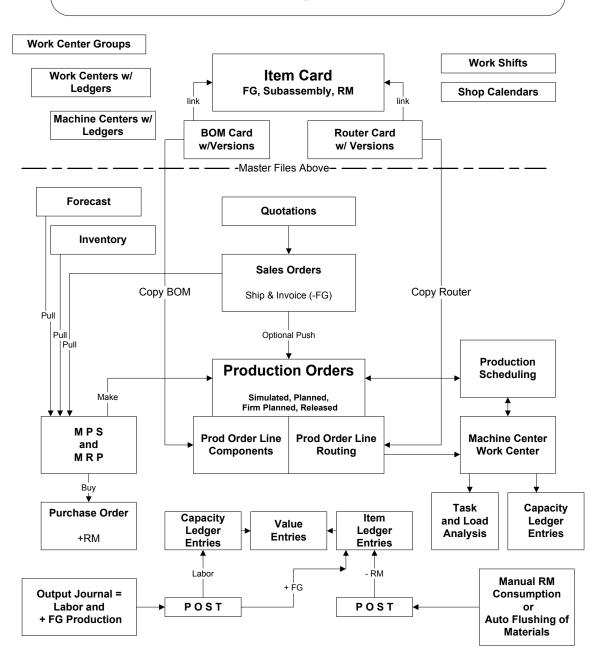


B. Forward Scheduling from Today – with Mfg Plus and Production Scheduler



Page 39

### **Manufacturing Components**



# Support

Congratulations on your purchase of Manufacturing Plus! We couldn't be more thrilled for you. Soon, you will be on your way to enjoying and utilizing the features and functionality of this product.

Most importantly, Cost Control Software sincerely appreciates your trust in our products.

Should you have any questions, comments, or training requirements we encourage you to contact us immediately. Also, if you are considering modifications or seeking new software functionality, please contact us.

Cost Control Software provides many add-on products that may be just the solution you were looking for. We would be glad to provide you with a full Catalog of our products. You may also check out our website to see available add-on products as well.

Visit: <u>www.costcontrolsoftware.com</u> for more information.

Produced and Distributed by: Cost Control Software, Inc. 12409 Old Meridian Street Carmel, IN 46032

Phone: (317) 846-6025