

Quality Control - Workflow Guide



Quality Control Workflow Guide

For Microsoft Dynamics 365 Business Central

ITEM NO.	DESCRIPTION	UNIT PRICE
1000	Bicycle	4,000.00
1001	Touring Bicycle	4,000.00
1100	Front Wheel	1,000.00
1150	Front Hub	500.00
1200	Back Wheel	1,200.00

Produced and Distributed by:

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Quick Start Video:
“Quality Control Overview of the Testing Procedures”

<https://www.screencast.com/t/3p2TMvPENCyT>

Quality Control - Workflow Guide

Application Description

Quality Control is designed for Microsoft Dynamics 365 Business Central.

Quality Control enables testing of incoming Raw Materials with Lot or Serial Number or Finished Goods with Lot or Serial Numbers placed into Inventory. For each Inventory Item to be tested, you will first set up your Item's Quality Specifications for both Measures and Methods.

Actual Test results will be entered into a test results Page, which enables you to compare your Low and High Limits to the Target Test Results. Non-Conforming test results will be flagged as exceptions.

Quality Control is built around Dynamics 365 Business Central's Item Tracking Granule. Item Tracking enables Lot Number Tracking on either Finished Goods or Raw Materials. (Purchased Items or Produced Items)

Quality Control is designed to enable Customer Specific Specifications on each Item. The Item Specifications will also hold multiple Versions and Effective Dates on each Version. (Similar to a Production Bill of Materials) This way a Customer can notify you of future Specification Requirements prior to your Production Cycles. When a Lot is tested it is tested against your internal specifications. A Certificate of Analysis can be generated after the test is certified.

When Lot items are shipped, it is possible to print a Certificate of Analysis for that specific Lot Number. The Shipment's Certificate of Analysis can be printed showing your company's Specifications or your Customer's Specifications. Any Non-Conformance Lines will be indicated.

Lot Numbers are typically selected by the Customer Service Representatives to assure conformance to a Customer's Specified Quality Measures. The Shipment Document has been modified to display the desired Lot Numbers to pick and ship that meets that Customer's Specifications. A fresh Certificate of Analysis can be generated directly from the Posted Shipment Document at any time.

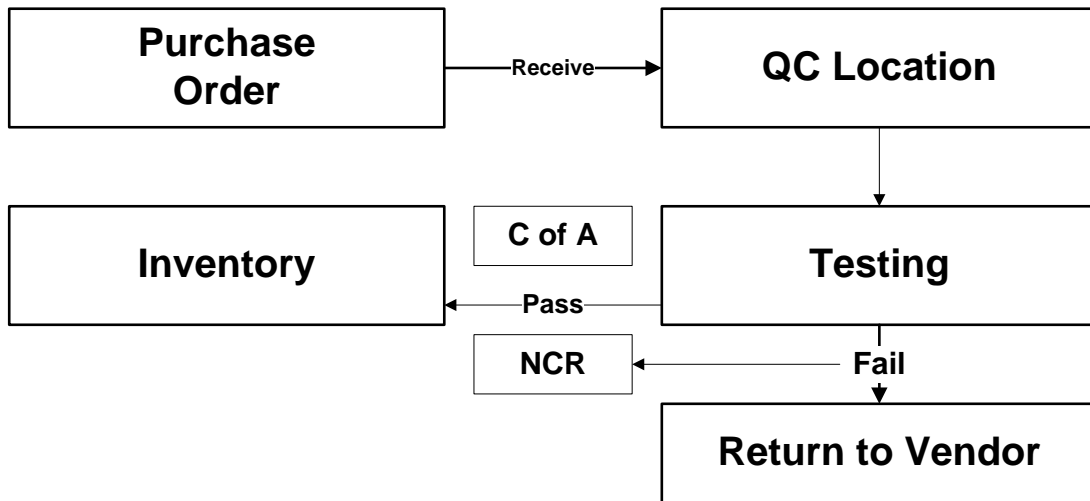
Actual Test Results can be printed immediately upon completion of a given test, or can be printed in Batch at the end of any time period. All test results are stored in a Testing Results Log for reporting and historical purposes.

Dependencies: Item Tracking Granule, Location Codes (Recommended)

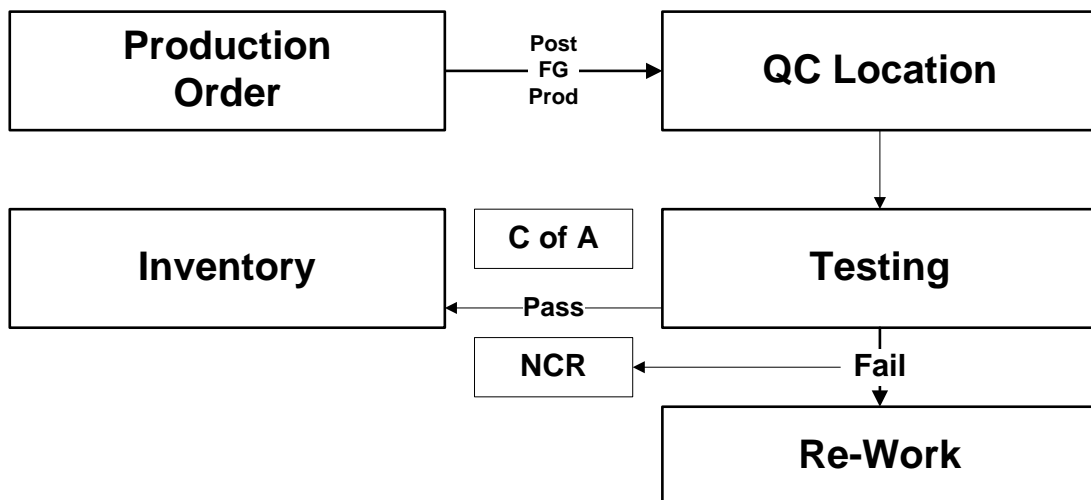
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Quality Control Design

Raw Material Receiving



Finished Good Production



Quality Control - Workflow Guide

Workflow

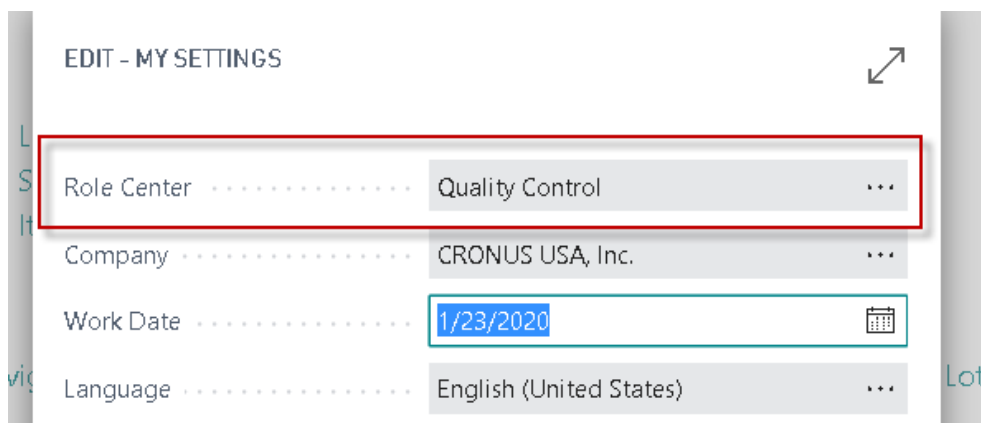
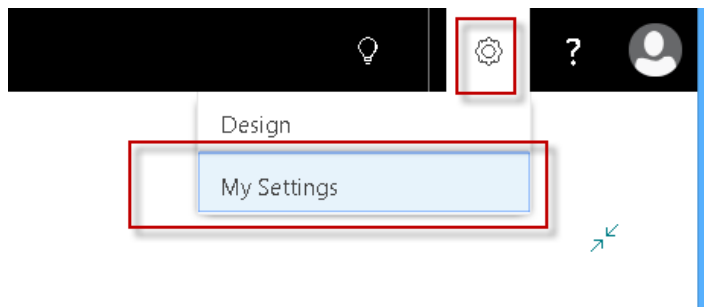
Quality Control was developed to allow users to enter LOT NUMBER “Test Results” and then compare the results to internal Company Quality Standards or Customer Specific Standards (Specifications).

These Specifications are pre-defined for each Inventory Item that is to be tested. (See Page 14 of the “Setup Guide” for full instructions) This step should be completed before you start entering actual test results. We recommend you also have an Inventory Item with Lot Number information in that Item’s Ledger Entries before you begin.

Did you complete the Setup? If not, go back and do the setup first.

Let’s Get Started:

- Open up the Quality Control Role Center



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President - Small Business	System
Production Planner	System
Project Manager	System
Purchasing Agent	System
Quality Control	System
Rapidstart Services Implementer	System
Resource Manager	System

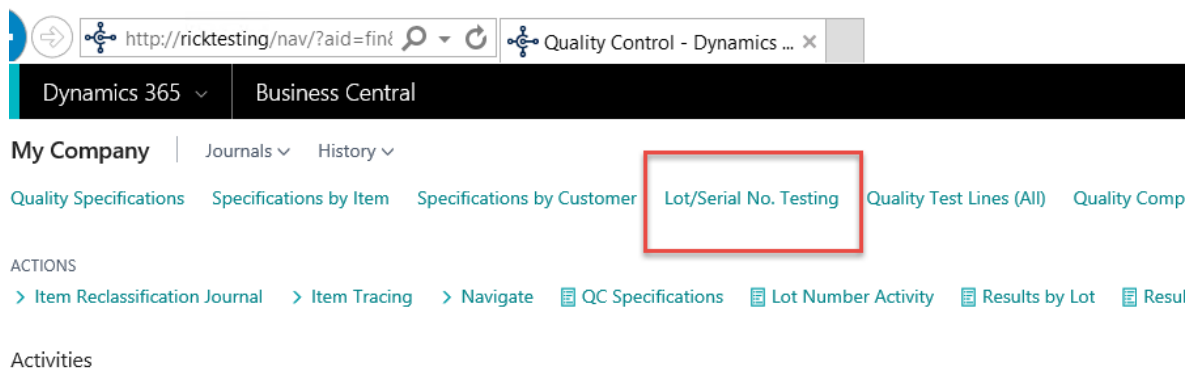
**Also, ensure you have an Inventory Item that is set to “Item Tracked”.
I recommend you have received some Quantity On-hand of this item, with
the Lot Number showing in the Item Ledger Entries too.**

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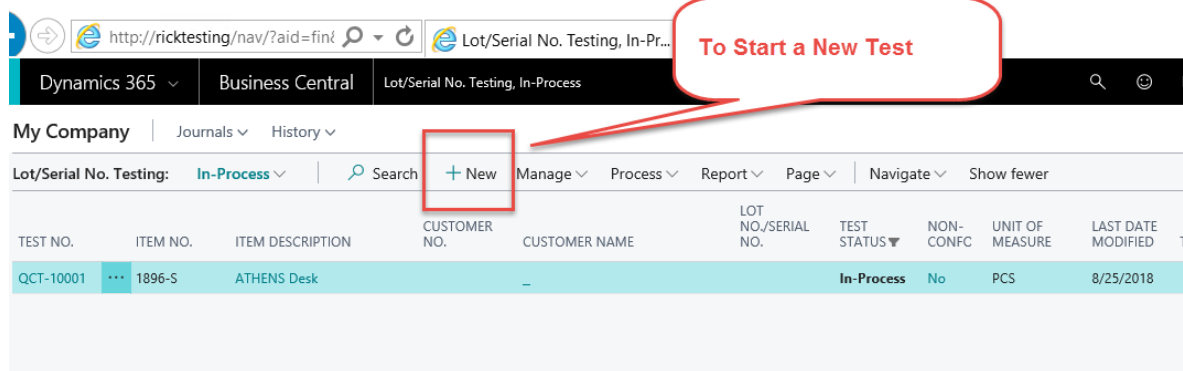
Let's Walk Through your first QC Test of one of your Raw Material Items:

Before you begin; be sure you have Quantity on Hand of a Lot Number to be tested. If you don't, use the Business Central Purchase Order to Issue and Receive into your QC LOC one of your Inventory Items. Then you will be ready to test this item.

- 1) Open the Quality Control Profile Role Center
- 2) Select the Lot/Serial No. Testing Action



- 3) Start a New Test using the +New option:



- 4) You will be taken to the Quality Lot Test Card. Blank Card, ready for entry.

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Quality Lot Test Header

[Report](#) | [Test](#) | [Functions](#) | [Show Attached](#) | [More options](#)

[Testing Worksheet](#) | [Certificate of Analysis](#) | [Test Results by Item](#)

General

Test No.	<input type="text"/>	Test Qty	<input type="text" value="0.00"/>
Customer No.	<input type="text"/>	Unit of Measure	<input type="text"/>
Customer Name	<input type="text"/>	Creation Date	<input type="text"/>
Item No.	<input type="text"/>	Last Date Modified	<input type="text"/>
Item Description	<input type="text"/>	Qty at Test-Time	<input type="text" value="0.00"/>
Test Description	<input type="text"/>	Test Start Date	<input type="text"/>
Test Status	<input type="text" value="New"/>	Test Start Time	<input type="text"/>
Lot No./Serial No.	<input type="text"/>		

QC Lot Test Lines | [Manage](#)

TEST LINE CO...	QUALITY MEASURE	MEASURE DESCRIPTION	CONDITIONS	METHOD	METHOD DESCRIPTION	ACTUAL MEASURE	RESULT LIST	RESULT TYPE
<input type="checkbox"/>						0.00		Numeric
<input type="checkbox"/>								

5) Press Enter/Return to create new Test Number. (As shown below)

← QUALITY LOT TEST HEADER [Edit](#) [+](#) [Delete](#)

QCT-10002

[Report](#) | [Test](#) | [Functions](#) | [Show Attached](#) | [More options](#)

[Testing Worksheet](#) | [Certificate of Analysis](#) | [Test Results by Item](#)

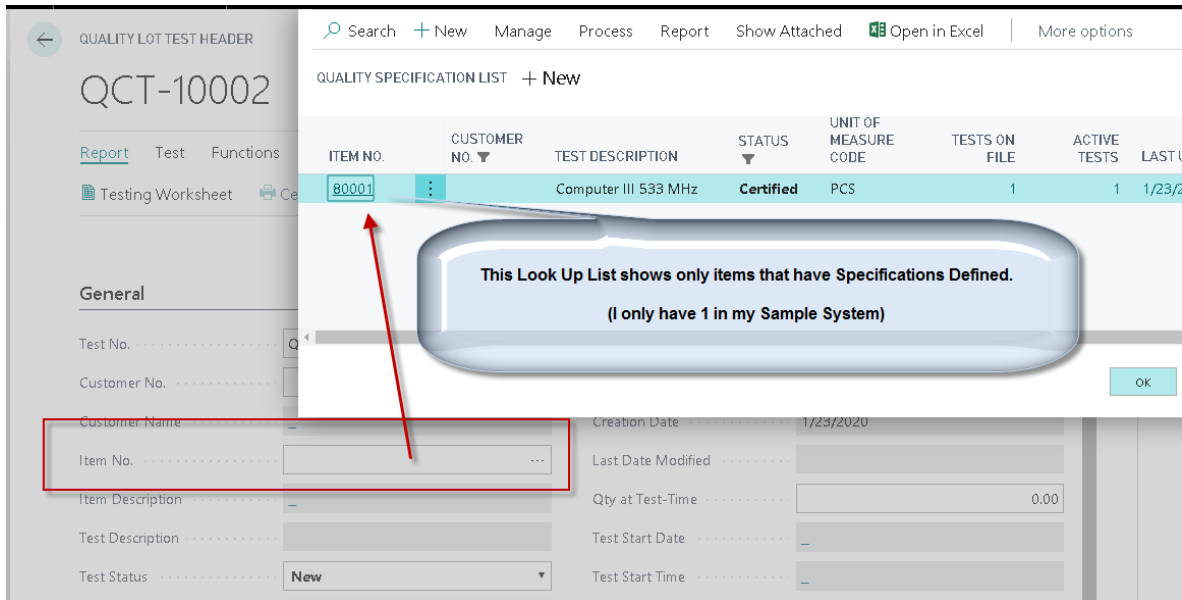
General

Test No.	<input type="text" value="QCT-10002"/>	Test Qty	<input type="text" value="0.00"/>
Customer No.	<input type="text"/>	Unit of Measure	<input type="text"/>
Customer Name	<input type="text"/>	Creation Date	<input type="text" value="1/23/2020"/>
Item No.	<input type="text"/>	Last Date Modified	<input type="text"/>
Item Description	<input type="text"/>	Qty at Test-Time	<input type="text" value="0.00"/>
Test Description	<input type="text"/>	Test Start Date	<input type="text"/>
Test Status	<input type="text" value="New"/>	Test Start Time	<input type="text"/>
Lot No./Serial No.	<input type="text"/>		

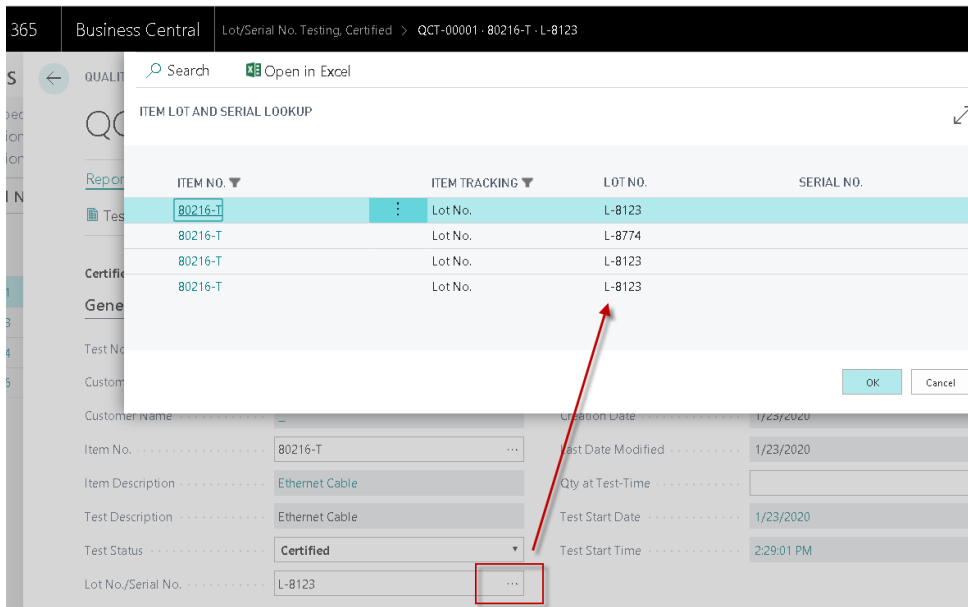
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From the QC Testing Card follow these steps to record a new Test:

1. If not done so already, select "New" to start the new test, then press "Enter" to get the next Test Number.
2. Select the Item Number to be tested.
(Only Items with Certified Specifications will show)



3. Select the Lot Number to be tested. (Recommended, but optional) (see below image)



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4. Run the Function to “Get Specifications”, from the ribbon, or manually add the Quality Measures.

The screenshot shows the 'QUALITY LOT TEST HEADER' for 'QCT-10002 · 80001 · L-1009'. The 'Functions' tab is active, and the 'Get Specification' button is highlighted with a red box. A red arrow points from this button to the 'General' section of the form. The 'General' section contains fields for Test No., Customer No., Item No., Item Description, Test Description, Test Status, and Lot No./Serial No. A second red arrow points from the 'Get Specification' button to the 'Picture' section, which displays a laptop with the text 'Quality Control for Microsoft Dynamics 365 Business Central'. Below the form is a table titled 'QC Lot Test Lines' with columns for TEST LINE CO..., QUALITY MEASURE, MEASURE DESCRIPTION, CONDITIONS, METHOD, METHOD DESCRIPTION, ACTUAL MEASURE, RESULT LIST, and RESULT TYPE. The table contains one row with the following data:

TEST LINE CO...	QUALITY MEASURE	MEASURE DESCRIPTION	CONDITIONS	METHOD	METHOD DESCRIPTION	ACTUAL MEASURE	RESULT LIST	RESULT TYPE
	ACCURACY	Accuracy		B	Test B	0.00		Numeric

The Sub-Form will be filled in with that Item’s Quality Specifications that were setup previously. (See Setup Guide) If there are multiple Versions, the system will pull in the most current and “Certified” Version.

NOTE: Specifications MUST be setup for each item to be tested.

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5. **Optional:** Print the Testing worksheet using ribbon choice. (Put on a clip board for the Lab Technician)

← QUALITY LOT TEST HEADER

QCT-10002 · 80001 · L-1009

Report Test Functions Show Attached More options

Testing Worksheet Certificate of Analysis Test Results I

New

General

Test No. QCT-10002

Customer No.

Customer Name

CRONUS USA, Inc.
Test No.: QCT-10002

Testing Worksheet

DEMO

Report Testing Worksheet



Item No.	Customer No.	Lot No./Serial No.	Test Status	Test No.	Test Date	Test Time	Tested By			
80001		Computer III 533 MHz	New	QCT-10002	___/___/___	___:___M	___			
80001		L-1009								
Quality Measure	Measure Description	Conditions	Testing UOM	UOM Description	Lower Limit	Upper Nomina Limit Value	Actual Measure	Non-Conformance	Version Code	Comments
ACCURACY	Accuracy				15	28 20	_____	_____	_____	_____
APPEARANCE	Appearance				0	0 0	_____	_____	_____	_____
DENSITY	Density				2	4 3	_____	_____	_____	_____
TONE	Tone				92	102 100	_____	_____	_____	_____
WEIGHT	Weight				15	15.5 15.2	_____	_____	_____	_____

Put this report on your clip board and go get the test results!

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6. Enter the “Actual Measures” or “Results List” values in the Columns shown below.

TEST LINE CO...	QUALITY MEASURE	MEASURE DESCRIPTION	CONDITIONS	METHOD	METHOD DESCRIPTION	ACTUAL MEASURE	RESULT LIST	RESULT TYPE
<input type="checkbox"/>	ACCURACY	Accuracy		B	Test B	0.00		Numeric
<input type="checkbox"/>	APPEARANCE	Appearance		VISUAL	Visual Inspection	0.00		List
<input type="checkbox"/>	DESITY	Density				0.00		Numeric
<input type="checkbox"/>	STONE	Tone		C	Test C	0.00		Numeric
<input type="checkbox"/>	WEIGHT	Weight		SCALE2	Scale #2	0.00		Numeric

7. Notice that any test results that are outside of the Limits established will automatically be flagged as “Non-Conforming” and show in red. Also, each Test Line will be Flagged Complete as you enter your test results, seen in first column of lines.

(See above image for example of Non-Conforming for the Hardness Test for 8.0)

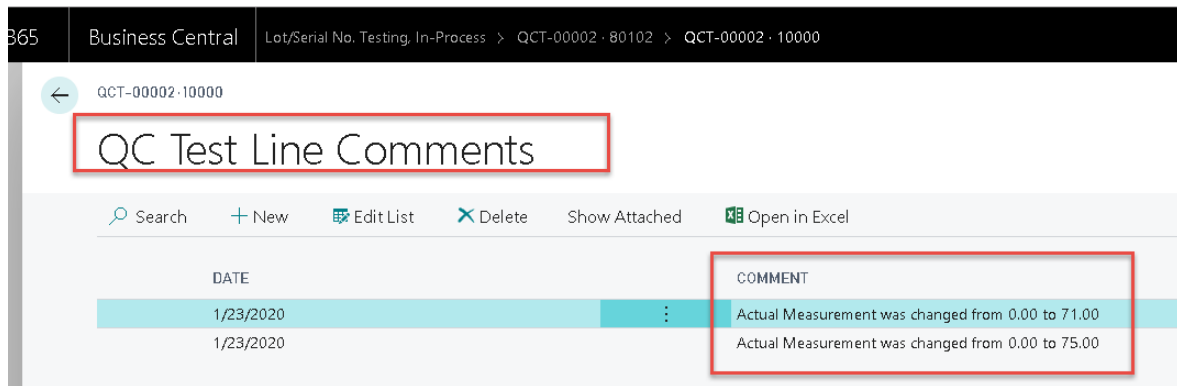
8. Notice that the Line’s Test Date and Time are filled in automatically as you enter the test results.

9. Notice that there are “Line Comments” available for you to record any special comments about the particular Line Entry. There are also Test Comments available from the standard Comment Icon.

TEST LINE CO...	CU... TEST	OU... TE...	DATE TESTED	TIME TESTED	IGN... FOR UP...	FREQUE... CODE	LAST TEST DATE	TEST STATUS	DIS...	TESTED BY	COM...
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1/23/2020	7:19:53 PM	<input type="checkbox"/>			New	<input checked="" type="checkbox"/>	CCSNETRICK	Yes
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>			New	<input checked="" type="checkbox"/>		No
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>			New	<input checked="" type="checkbox"/>		No

Every entry to Enter, Lower, or Raise the Test Value will be automatically recorded in the Line’s Comments. (Change Log)

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10. Optional Display Prefix.

UPPER LIMIT	NOMINAL VALUE	TESTING UOM	UOM DESCRIPTION	NO... CO...	OPTIONAL DISPLAY PREFIX	OPTIONAL DISPLAY VALUE	REASON CODE
28.00	20.00			<input type="checkbox"/>	=	21.00	
0.00	0.00			<input type="checkbox"/>	=	0.00	
4.00	3.00			<input type="checkbox"/>	>	0.00	
102.00	100.00			<input type="checkbox"/>	<	0.00	
15.50	15.20			<input type="checkbox"/>	>=	0.00	
				<input type="checkbox"/>	<=	0.00	
				<input type="checkbox"/>	-		

Optional Display Prefix and Optional Display Value gives you the flexibility of reporting results within a “greater than” or “less than” value instead of a single fixed value. The printing of the test results is actually printing the Optional Display Prefix and Optional Display Value. The default is always “equals to” the Optional Display Value which defaults to the Actual test value.

If the specifications only call for the test results to be greater than a value, then you can change the Optional Display Prefix to be the greater than sign (>). The system will default the Lower limit value into the Optional Display Value field. You may edit the optional display value as long as it stays within the specification limits or is accurate related to the actual value. The same process works using the less then (<) sign in the Optional Display Prefix.

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11. Upon completion of entering your test results, set the status of the test to “Certified”

Customer Name C
Item No. 80001 ... L
Item Description Computer III 533 MHz C
Test Description Computer III 533 MHz T
Test Status In-Process T
Lot No./Serial No.

QC Lot Test Lines

TEST LINE	CO...	LOWER LIMIT	UPPER LIMIT	VALUE	UOM
<input checked="" type="checkbox"/>	:	15.00	28.00	20.00	
<input checked="" type="checkbox"/>		0.00	0.00	0.00	

Typically, Test Status would be set to “Certified” or “Rejected”.
Set Test Status to “In-Process” if you have to leave and come back later to finish the test results. You cannot edit test results in Certified or Rejected Status.

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12. Option: Set to **“Ready for Testing”** if you are assigning a test to a Lab Technician.

Item No. 80001 ...

Item Description [Computer III 533 MHz](#)

Test Description Computer III 533 MHz

Test Status **Ready for Testing** ▼

Lot No./Serial No.

New
 Ready for Testing
 In-Process
 Ready for Review
 Certified
 Certified with Waiver
 Certified Final
 Rejected
 Closed

QC Lot Test Lines		Ma				
TEST LINE	CO...	LOWER LIMIT	UPPER LIMIT	VALUE	UOM	TING
<input checked="" type="checkbox"/>	:	15.00	28.00	20.00		
<input checked="" type="checkbox"/>		0.00	0.00	0.00		

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12. Print the “Test Results by item Number Report”.

← QUALITY LOT TEST HEADER 📝

QCT-10002 · 80001 · L-1009

✕ To analyze images, you must provide an API key and an API URI for Computer Vision. [Open setup](#)

Report | Test | Functions | Show Attached | More options

📄 Testing Worksheet
🖨️ Certificate of Analysis
📄 Test Results by Item

Customer Name - Creation Date

Item No. 80001 Last Date Modified

Item Description [Computer III 533 MHz](#) Qty at Test-Time

Test Description Computer III 533 MHz Test Start Date

Test Status **Ready for Testing** Test Start Time

Lot No./Serial No. L-1009

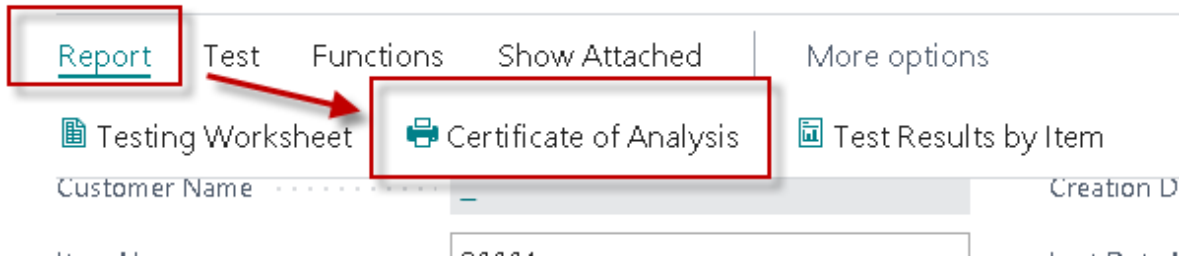
If you have entered the actual test results, the “Test Results by Item Number” Report will print the test results if you need a printed copy of your actual test.

}QC USA, Inc. QT-1001	Test Results by Item Number	July 11, 2003	Page 1						
		Report Test Results by Item							
Lot No.	Test Date	Test Time	Test Status	Test No.					
80216-T L-ETH30	07/06/03	5:41:34 PM	Certified	QCT-1001					
Bhemet Cable									
Quality Measure	Measure Description	Lower Limit	Upper Limit	Nominal Value	Actual Measure	Non-Conformance	Date Inspected	Version Code	Comments
DENSITY	Density	5.00	8.00	7.00	4.00	Yes	10/02/03		_____
MOISTURE	Moisture	7.00	9.00	8.00	7.00		10/02/03		_____
STRENGTH	Strength	5.00	12.00	9.00	5.50		07/10/03		_____
COLOR	Color and Tint	7.00	16.00	10.00	9.50		07/08/03		_____

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13. Certificate of Analysis

✕ To analyze images, you must provide an API key and an API URI for Computer Vision.



You may print a “Certificate of Analysis” Report at this stage to document the Test Results of this Lot Number’s Test.

It is only available for “Certified” Tests.

Many companies will include this report in with the shipment to the customer.

The image shows a 'Certificate of Analysis' report for 'Ethernet Cable'. It includes a header with the company name 'CRONUS USA, Inc.', a title 'Certificate of Analysis', and a 'Date Printed' of 'Wednesday, December 5, 2018'. There is an image of a blue Ethernet cable. Below this is a table with test results.

Item No.	Description	Lot No./Serial No.	Test Start Date	Tested By	Test Status	Test No.	Test Qty	U of M	Spec Version Used
80216-T	Ethernet Cable	L-8123	1/23/2020		Certified	QCT-00001	1	PCS	

Quality Measure	Method	Conditions	Testing UOM	Lower Limit	Upper Limit	Nominal Value	Test Value	Non-Conformance	Reason Code	Inspected
ACCURACY	Accuracy			74	84	70	0			
APPEARANCE	Appearance			0	0	0				
DENSITY	A Test A			8	10	9	0			
STONE	D1500 D1500	>32 Degreee		187	197	191	188			1/23/2020 2:29:01 PM

Quality Supervisor: _____ Date: _____

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Quality Control Reports:

Quality Control provides 4 pre-defined reports:

1. Print Quality Specifications

365 Business Central Quality Specifications > 80001

← QUALITY SPECIFICATION HEADER

80001

Report Quality Spec Functions Show Attached Actions

Print Specifications

General

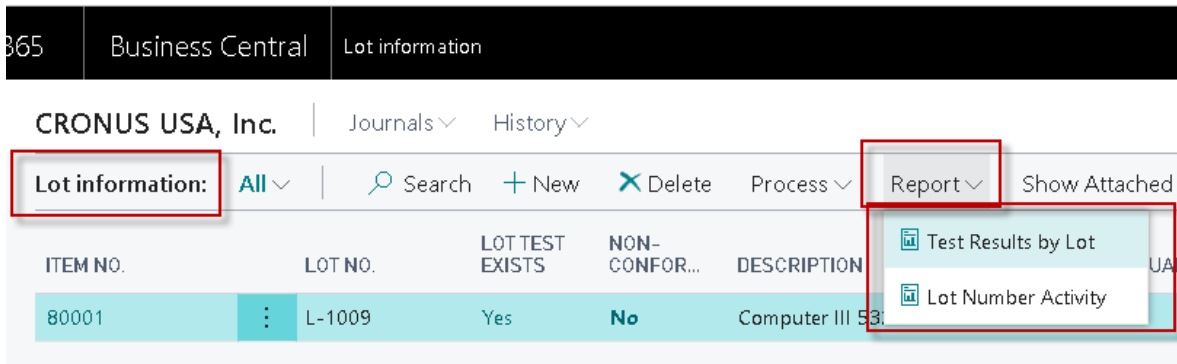
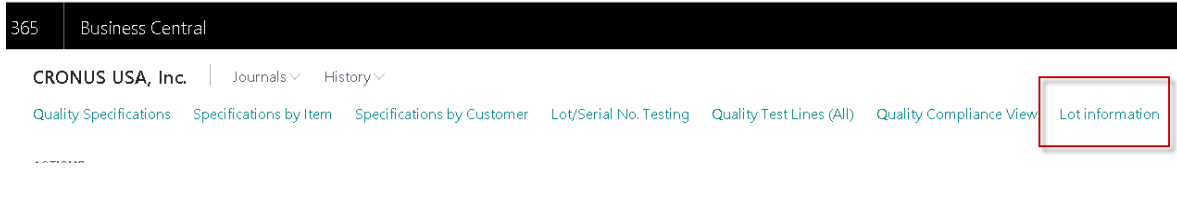
This is a print out of the Item's or Customer's MASTER Quality Measure Specifications.

Item No.	Test Description	Customer No.	Customer Name	Status	Blocked
80001	Computer III 533 MHz			Certified	False

Quality Measure	Measure Description	Method	Method Description	Conditions	Testing UOM	UOM Description	Lower Limit	Upper Limit	Nominal Value
ACCURACY	Accuracy	B	Test B				15	28	20
APPEARANCE	Appearance	VISUAL	Visual Inspection				0	0	0
DENSITY	Density						2	4	3
TONE	Tone	C	Test C				92	102	100
WEIGHT	Weight	SCALE2	Scale #2				15	15.5	15.2

Quality Control - Workflow Guide

2. Print Lot Number Activity



This report is by Lot Number and shows all in/out activity for each Lot Number printed. Use filters as needed to limit the scope of this report.

CRONUS USA, Inc. Test Results by Lot Number 5/1/2019 11:50 PM DBMO

Report Test Results by Lot Number

Lot No./Serial No.	Test Start Date	Test No.	Item No.	Description	Test Qty	Unit of Measure	Tested By	Entered By	
L-1009	1/23/2020	QCT-10001	80001	Computer III 533 MHz	2.00	PCS	DBMO	DBMO	
	Quality Measure	Measure Description	Lower Limit	Upper Limit	Nominal Value	Testing UOM	Actual Measure	Non-Conformance	Comments
	ACCURACY	Accuracy	15	28	20		20		
	APPEARANCE	Appearance	0	0	0		PERFECT		
	DESITY	Density	2	4	3		3		
	TONE	Tone	92	102	100		100		
	WEIGHT	Weight	15	15.5	15.2		15.3		
L-1009	1/23/2020	QCT-10002	80001	Computer III 533 MHz	0.00	PCS	DBMO	DBMO	
	Quality Measure	Measure Description	Lower Limit	Upper Limit	Nominal Value	Testing UOM	Actual Measure	Non-Conformance	Comments
	ACCURACY	Accuracy	15	28	20		21		
	APPEARANCE	Appearance	0	0	0		PERFECT		
	DESITY	Density	2	4	3		0		
	TONE	Tone	92	102	100		0		
	WEIGHT	Weight	15	15.5	15.2		0		

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3. Print Test Results by Lot Number Activity

This report is a detailed print out of the Activity per Lot in the Item Ledger Entries.

Use filters as needed to limit the scope of this report.

CRONUS USA, Inc.		Lot Number Activity						5/1/2019 11:51 PM			DEMO		
							Report Lot Number Activity						
Lot No.	Posting Date	Item No.	Description	Source No.	Entry Type	Document No.	Description	Quantity	Remaining Quantity	Source Type	External Document No.	Cost Amount (Actual)	Sales Amount (Actual)
L-1009	1/23/2020	80001	Computer III 533	01863656	Purchase	107044		40	40	Vendor		5,000.00	0.00
				"Total for " Lot No.		L-1009		40	40			5,000.00	0.00
												5,000.00	0.00

Quality Control - Workflow Guide

4. Test Results by Item Number

History

Item Specifications by Customer Lot/Serial No. Testing Quality Test Lines (All) Quality Compliance View Lot information

Tracing > Navigate QC Specifications Lot Number Activity Results by Lot **Results by Item**

CERTIFIED QC TESTS

GENERAL

READY FOR REVIEW

CERTIFIED

CERTIFIED WITH WAIVER

CERTIFIED FINAL

PO LINES WITHIN REQUIRED

PURCH RECEIVED QC REQ

ITEMS IN QC QUARANTINE

This report is a detailed print out on the test results of each Item Number's Lots. Use filters as needed to limit the scope of this report.

My Company

Test Results by Item Number

9/1/2018 5:35 PM
Report Test Results by Item

RICK

Item No.	1896-S	ATHENS Desk										
Test No.:	QCT-10001	Lot No./Ser. No.:			Test Status: In-Process							
Quality Measure	Measure Description	Lower Limit	Upper Limit	Nominal Value	Conditions	UOM Description	Actual Measure	Non-Conformance	Date Tested	Version Code	Comments	
APPEARANCE	Appearance	0	0	0			GOOD		8/25/2018		_____	
CLARITY	Clarity	0	0	0			CLEAR		8/25/2018		_____	
DENSITY	Density	4	18	15			14.5		9/1/2018		_____	
SPEED	Speed	1500	1580	1535			0				_____	
Test No.:	QCT-10002	Lot No./Ser. No.:			Test Status: New							
Quality Measure	Measure Description	Lower Limit	Upper Limit	Nominal Value	Conditions	UOM Description	Actual Measure	Non-Conformance	Date Tested	Version Code	Comments	
APPEARANCE	Appearance	0	0	0							_____	
CLARITY	Clarity	0	0	0							_____	
DENSITY	Density	4	18	15			0				_____	
SPEED	Speed	1500	1580	1535			0				_____	

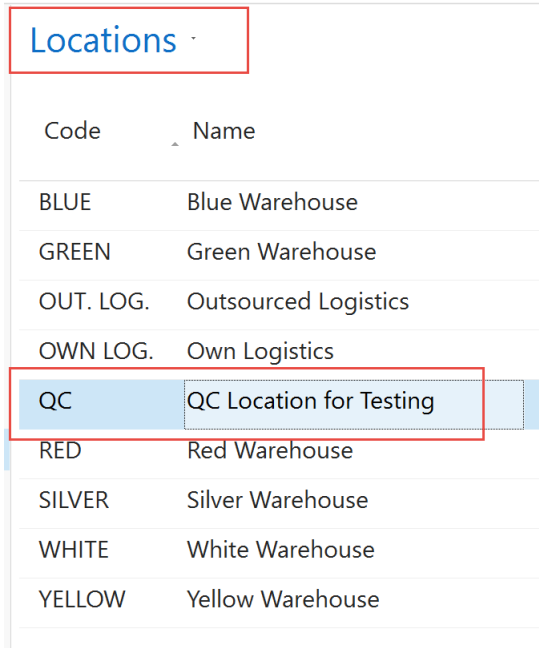
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Inventory Movement

The Quality Control module works closely with Item Tracking & Location Codes. Some of the first decisions you need to make are related to where your inventory is to be located.

Example: When you receive Raw Material, do you put it in in General Available Inventory or into “Quarantine” until it passes the QC inspection? If so, just receive to a LOC = QC until the testing is complete.

We recommend you setup at least one “Location” to temporarily store your incoming items that need to be tested:



Code	Name
BLUE	Blue Warehouse
GREEN	Green Warehouse
OUT. LOG.	Outsourced Logistics
OWN LOG.	Own Logistics
QC	QC Location for Testing
RED	Red Warehouse
SILVER	Silver Warehouse
WHITE	White Warehouse
YELLOW	Yellow Warehouse

You could even have a Location Code for your Raw Materials and another Location Code for your Finished Goods that need to be tested.

Upon completion of your Testing use the Transfer option to move from LOC = QC to LOC = BLUE.

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← QUALITY LOT TEST HEADER

QCT-10001 · 80001 · L-1009

Report Test **Functions** Show Attached | More options

Get Specification **Transfer** Item Tracing

In-Process

General

Test No.	QCT-10001	Test Qty	
Customer No.		Unit of Measure	PCS
Customer Name		Creation Date	1/23/20
Item No.	80001	Last Date Modified	1/23/20

Inventory that Passes Quality specification should go to the location code(s) from which you sell product. (IE: BLUE) Perhaps Inventory that does not pass will go back to your Vendor. Below is a Transfer Order from QC RM Q to BLUE Location.

← TRANSFER ORDER

1011

Process Report Release Posting Order Documents Show Attached

General

Transfer-from Code	QC RM Q	In-Transit Code	
Transfer-to Code	BLUE	Posting Date	
Direct Transfer	<input checked="" type="checkbox"/>	Status	

Lines | Manage More options

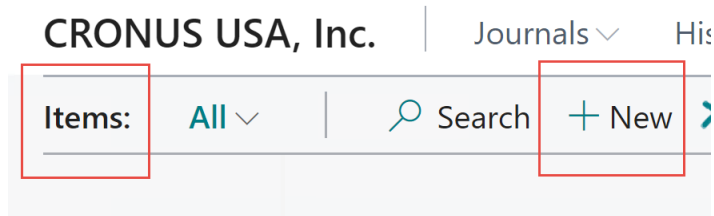
ITEM NO.	DESCRIPTION	QUANTITY	RESERVED QUANTITY INBND.

Quality Control - Workflow Guide

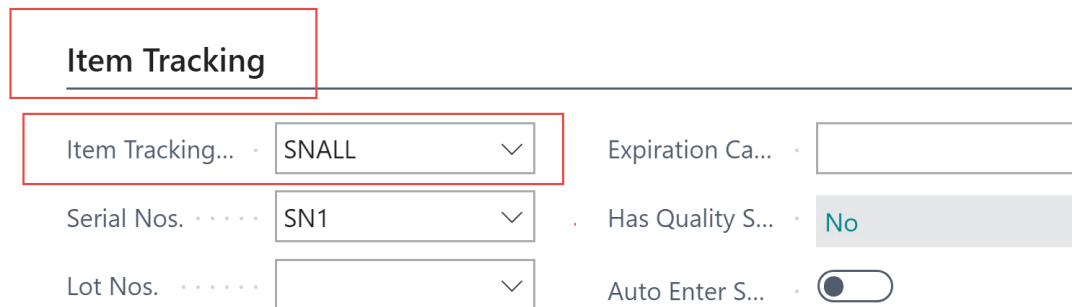
Let's review the above steps just to double check your workflow.

Inbound Raw Material Workflow (Review):

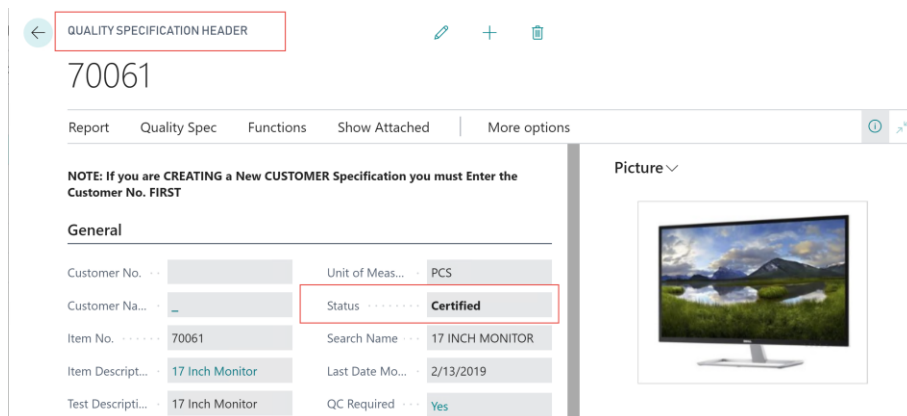
1. You added a "new" Raw Material Item in Inventory or used an existing Inventory Item.



2. Check to be sure the Item's Lot Tracking information is setup.

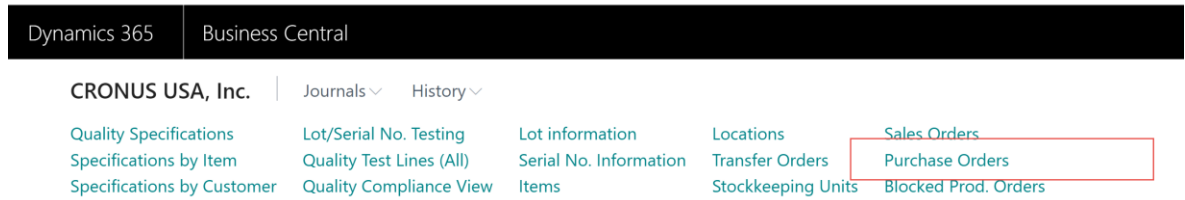


3. You then created the Item's Quality Specifications that are to be tested. Be sure to set to "Certified".



Quality Control - Workflow Guide

4. You then created a Purchase Order for your Raw Material Item.



Get ready to receive in the Quantity on the Purchase Order Line.

Lines	Manage	More options					
TYPE			DIRECT UNIT COST EXCL. TAX	LINE AMOUNT EXCL. TAX	QTY. TO RECEIVE	QUANTITY RECEIVED	QTY. TO INVOICE
Item							
Item							
Item	⋮		121.56	607.80	5		5

You may notice on the PO Line the option “QC required”. This field fills in automatically if you have setup your QC Requirements to display a YES in this field.

General

Vendor Name CoolWood Technologies

Posting Description Order 104001

Contact Mr. Richard Bready

Document Date 1/20/2020

QC Required

Indicates that QC is required for items on this PO Line

Press Ctrl+F1 to learn more

Lines	Manage	More options				
TYPE	NO.	QC RE...	GST/HST	DESCRIPTION		
Item	⋮ LS-MAN-10	<input type="checkbox"/>		Manual for Loudspeakers		
Item	LS-75	<input type="checkbox"/>		Loudspeaker, Cherry, 75W		
Resource	HT	<input type="checkbox"/>		Heat Treating		

Quality Control - Workflow Guide

- Before you can Post the PO Receipt, you must enter the S/N or Lot Number of the item(s). This process is standard Business Central procedures.

Navigation bar: Lines | Manage | **Line** | Functions | Order | Less options

Item Availability by ▾ | Dimensions | Document LineTracking

Reservation Entries | Comments | Deferral Schedule

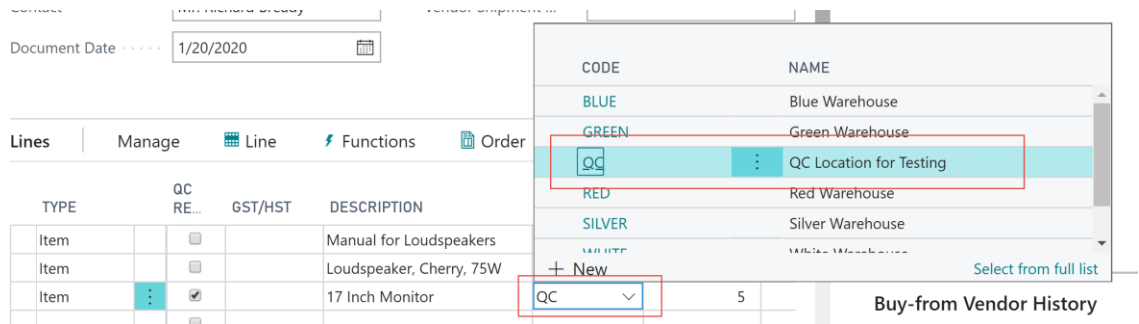
Item Tracking Lines | Item Charge Assignment | Attachments

Item	/0061	✓	17 Inch Monitor
------	-------	---	-----------------

	SOURCE	ITEM TRACKING	UNI
	Purchase Line		
Quantity	5	5	
Qty. to Handle	5	5	
Qty. to Invoice	5	5	
Item Tracking Code	LOTALL	Description	Lot spec
AVAILA... SERIAL NO.	SERIAL NO.	AVAILA... LOT NO.	LOT NO.
Yes	⋮	Yes	L-40090
		QUANTITY (BASE)	QTY. TO HANDLE (BASE)
		5	5

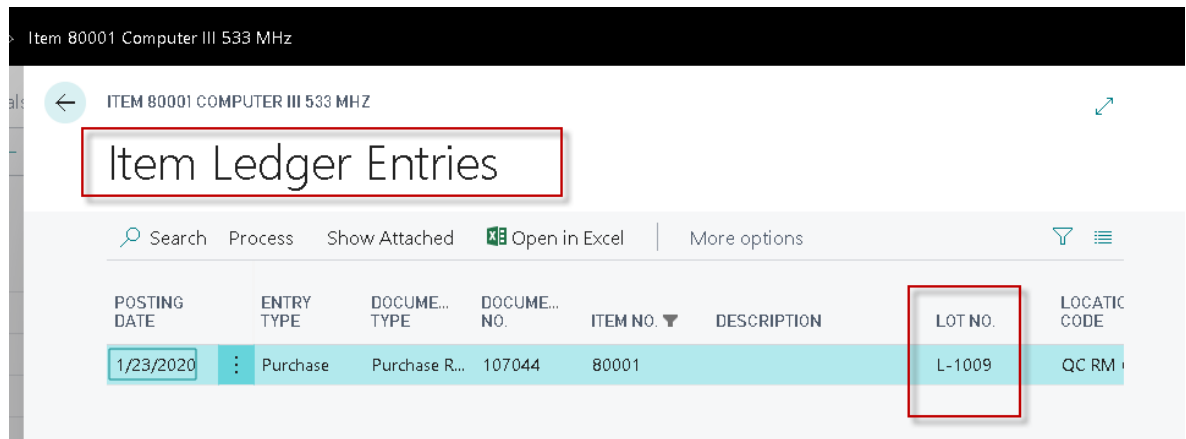
Quality Control - Workflow Guide

- We suggest you receive your item to the “QC” location first. Put “QC” in the LOC CODE on the Purchase Order Line.



User Standard process to enter the Vendor’s Lot Number, or enter one of your own.

Complete your normal Item Receiving Process.



- With your Item now in Stock and with the Lot Number showing on the Item Ledger Entries, you are ready to perform your “New” QC test. (In LOC= QC)

Select “New” for New Quality Control Test.

Quality Control - Workflow Guide

Dynamics 365 Business Central Lot/Serial No. Testing

CRONUS USA, Inc. Journals History

Lot/Serial No. Testing: All Search + New Delete Process Report S

TEST NO.	ITEM NO.	ITEM DESCRIPTION	CUSTOMER NO.	CUSTOMER NAME
QCT-00001	80216-T	Ethernet Cable	-	-
QCT-00002	80102	17" M780 Monitor	-	-

Enter your Item Number to be tested and look up the Lot Number.

QCT-00009 · 70061 · L-40090

Report Test Functions Show Attached Actions Navigate Report Less options

Picture

General

Test No. QCT-00009 Test Qty 1.00

Customer No. Unit of Measure

Customer Name Creation Date 1/23/2020


Item No. 70061 Last Date Modified

Item Description Qty at Test-Time 0.00

Test Description Test Start Date

Test Status New Test Start Time

Lot No./Serial No. L-40090



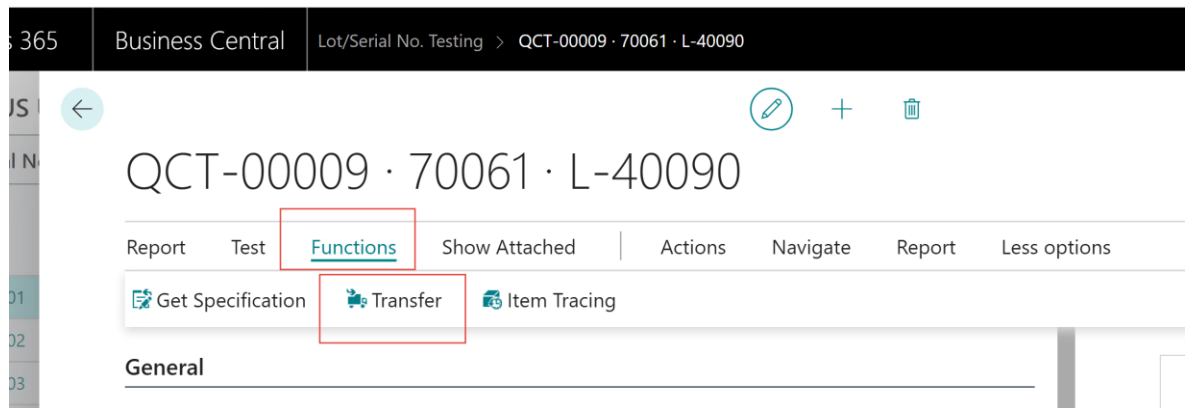
8. Pull in the testing Lines with "Get Specifications". Enter your test line values.

Report Test **Functions** Show Attached More options

Get Specification Transfer Item Tracing

- If the Item passes inspection, transfer the inventory out of the temporary Location (QC) and transfer to the selling location(s). (IE: LOC = BLUE)

Quality Control - Workflow Guide



TIP: You can also use the Item Journal, Warehouse Journal, or Transfer Orders to perform inventory transfers.

9. If an Item fails the test, (Non-Compliant), you can do a “Return to Vendor” Credit Memo.

Purchase Credit Memos

NO.	BUY-FROM VENDOR NO.	BUY-FROM VENDOR NAME	VENDOR AUTHORI... NO.	LOCATION CODE
1001	10000	London Postmaster	RMA #201	

Tips: Purchase Order Processing

When you are purchasing items that are to be “lot tracked” it is important (mandatory) to record the received Lot Numbers prior to Post of the Purchase Order.

Quality Control - Workflow Guide

This entering of the Lot Number or Serial Number is done on each Line of each Purchase Order.

Notice that you can receive multiple LOTS on one receiving Line. You will use the "Item Tracking Line" Window to enter the Vendor's Lot Number and the Quantity of that Lot to receive.

It is possible to let Microsoft Dynamics 365 Business Central assign the Lot Numbers, but we recommend you use the Vendor's Number. Once the Lot Number and Quantities have been entered, just press OK to close this allocation window. You will return to the PO's Line. Select the next Line or next PO to record the next Lot Number(s).

We recommend you review this process carefully with your Receiving Department. Accuracy is very important for later Testing and Tracking of your Lot Numbers.

Normal PO processing occurs from this point forward.

Quality Control - Workflow Guide

Sales Order Processing with Lot Numbers

We will assume that your Item has now been tested. (FG or RM)

This section focuses on Customer-Specific Specifications but applies to all the Lot-Picking process.

In this example, there are several Lot Numbers in-stock for this Item. But, only some of the Lot Numbers have been tested against the Customer's Specifications.

But, now your Customer is placing an order for your Item. The challenge is to be sure the Lot Number that we ship matches this Customer's Specifications. (which may be more, or less stringent than your own Item Specs.)

With this new Customer Order we must be sure that we PICK a Lot that is in compliance with the Customer's Specifications (assuming they Exist for this Customer). It becomes the job of the Customer Service Representatives to notify the Shipping Department which Lot Number to pull, so that the specifications comply. (Not just entering the Lot Number the picker pulls.)

Let's follow the steps:

1. A special Page on the Sales Order Card, "Item Tracking Summary" Page, has been designed to ensure you Pick the right Lot Numbered Item.

To reach this Page from the Sales Order Card, go to Related Information, then Select the Sales Order Line with a Tracked Item, and choose "QC Choose Lot No./Serial No." from the Line Action. (Shown below)

Quality Control - Workflow Guide

SALES ORDER

1004 · The Cannon Group PLC

Process Report Posting Request Approval Show Attached More options

General

Customer Name The Cannon Group PLC

Posting Description Order 1004

Contact Mr. Andy Teal

JOB MANAGER

Master Job No. 1004

Retainage % 0.00

Reservation Entries

Item Tracking Lines

QC Choose Lot No./Serial No.

Select Item Substitution

Dimensions

Comments

WordWrap Comments

Item Charge Assignment

Order Promising

Lines | Manage **Line** Order Job Less options

Functions Item Availability by Related Information

Resource	CONVEYOR	Conveyor	BLUE
----------	----------	----------	------

2. The Item Tracking Summary Page is then opened from the Edit Assist button on the Lot No. Field on the Item Tracking Lines Page:

Quality Control - Workflow Guide

Manage Process Actions Navigate Less options

EDIT - ITEM TRACKING LINES - 80216-T-ETHERNET CABLE

	SOURCE	ITEM TRACKING	UNDEFINED
Quantity	10	0	10.00
Qty. to Handle	10	0	10.00
Qty. to Invoice	10	0	10.00

Item Tracking Code: LOTALL Description: Lot specific tracking

AVAILA... SERIAL NO.	SERIAL NO.	AVAILA... LOT NO.	LOT NO.	QUANTITY (BASE)	QTY. TO HANDLE (BASE)	QTY. TO INVOICE (BASE)	APPL.-TO ITEM ENTRY
Yes		Yes	...	0	0	0	0

TO QC Lot No. List to select the Complaint Lot.

3. Select the Lot Number you want to be "Picked" from the list.

Business Central Sales Orders > 1001 - The Cannon Group PLC

Process Navigate Less options

Item No. Specs Lot/Serial No. Tests Get QC Compliance List

LOT NO. LIST

LOT NO.	SERIAL NO.	QC OPTION	ITEM SPECS EXIST	ITEM TEST EXISTS	CUST SPECS EXIST	CUST TEST EXISTS	ITEM TEST NON COMP...	CUST TEST NON COMP...	QC COMPLIANCE	TOTAL QUANTITY	TOTAL REQUESTED QUANTITY
L-8123		Customer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	YES	6	0
L-8774		Customer	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NO TESTS	10	0

4. From the above Item Tracking Summary Page, the Customer Service Representative can see a comprehensive list showing the following for each and every Lot of the Item:

1. Whether Item (our) and/or Customer Specifications Exist for the Item.
2. Whether Item and/or Customer Lot-Tests Exist for the Item.
3. Whether those Item and/or Customer Lot-Tests are in Compliance.
4. "QC Conformance" Suggestions, providing an at-a-glance guidance as to which Lot(s) are fully in Compliance ("Yes"), which might require customer/supervisory "variance" approval (and why), and which are simply a "No".

Note that the "Yes" Lot(s) are in Bold, further speeding the Lot-selection process.

Quality Control - Workflow Guide

Customer's QC Compliance View

1. From the Role Center, select "Quality Compliance View"

The screenshot shows the Business Central Role Center for 'CRONUS USA, Inc.'. The 'Quality Compliance View' menu item is highlighted with a red box. Other menu items include 'Quality Specifications', 'Specifications by Customer', 'Quality Test Lines (All)', 'Lot information', 'Items', 'Transfer Orders', 'Specifications by Item', 'Lot/Serial No. Testing', 'Quality Compliance View', 'Serial No. Information', 'Locations', and 'Stockkeeping Units'. Below the menu, there is an 'ACTIONS' section with links for 'Item Reclassification Journal', 'Item Tracing', 'Navigate', 'QC Specifications', 'Lot Number Activity', 'Results by Lot', and 'Res'.

The screenshot shows the 'Quality Compliance View' table. The table has columns for 'ITEM NO.', 'LOT/SER... NO.', 'TEST NO.', 'QUALITY MEASURE', 'RESULT TYPE', 'MEASURE DESCRIPTION', 'DOCUME... NO.', 'LOWER LIMIT', 'UPPER LIMIT', 'ACTUAL VALUE', 'RESULT', 'TEST LINE CO...', and 'NON CO...'. The first row is highlighted in blue. Red boxes highlight the 'ITEM NO.', 'LOT/SER... NO.', 'ACTUAL VALUE', and 'RESULT' columns.

ITEM NO.	LOT/SER... NO.	TEST NO.	QUALITY MEASURE	RESULT TYPE	MEASURE DESCRIPTION	DOCUME... NO.	LOWER LIMIT	UPPER LIMIT	ACTUAL VALUE	RESULT	TEST LINE CO...	NON CO...
80001	L-1009	-	ACCURACY	Numeric	Accuracy	107044	15.00	28.00	0.00		<input type="checkbox"/>	<input type="checkbox"/>
80001	L-1009	-	APPEARAN...	Numeric	Appearance	107044	0.00	0.00	0.00		<input type="checkbox"/>	<input type="checkbox"/>
80001	L-1009	-	DESITY	Numeric	Density	107044	2.00	4.00	0.00		<input type="checkbox"/>	<input type="checkbox"/>
80001	L-1009	-	TONE	Numeric	Tone	107044	92.00	102.00	0.00		<input type="checkbox"/>	<input type="checkbox"/>
80001	L-1009	-	WEIGHT	Numeric	Weight	107044	15.00	15.50	0.00		<input type="checkbox"/>	<input type="checkbox"/>

This Compliance View will show the details of Actual Test Results compared against the Specifications. If an Item is out of Compliance the Customer could be notified for acceptance ("variance") on this non-compliance test, or a different Lot Number could be selected that is compliant (a "Yes" Lot).

From the Item Compliance Page, you can either:

- Press ESC to return to the Lot Number Selection Page.
- Click OK to select your desired Lot Number to ship.

Then, Repeat this selection process for any other Sales Order Line Items.

When finished, Ship and Invoice the product to the customer.
(Follow normal Microsoft Dynamics 365 Business Central procedures)

Quality Control - Workflow Guide

Table of Conditions and Results for the “Item Tracking Summary” Page

NOTE: “n/a” means that that condition (column) does not matter for that line (row).

NOTE: To use the “Item Tracking Summary” Page (and this table of “Results”, for Orders to Customers that do not have Customer-Specific Specifications or Tests, simply refer to the Table Entries below where the “Customer No.” Column has an “N” in it (lower half of the table).

Customer No.	Item Spec	Item Test	Cust Spec	Cust Test	Item Non Compliance	Cust Non Compliance	QC Compliance
Y	N	n/a	N	n/a	n/a	n/a	NO SPECS
Y	Y	N	N	n/a	n/a	n/a	NO TESTS
Y	Y	Y	N	N	N	n/a	YES
Y	n/a	n/a	Y	N	n/a	n/a	NO CUST TEST
Y	n/a	n/a	Y	Y	n/a	Y	NO
Y	n/a	n/a	Y	Y	n/a	N	YES
Y	Y	Y	Y	Y	Y	Y	NO
Y	Y	Y	Y	Y	N	Y	FAILED CUST TEST
N	N	n/a	N	n/a	n/a	n/a	NO SPECS
N	Y	N	n/a	n/a	n/a	n/a	NO CO. TESTS
N	Y	Y	N	n/a	N	n/a	YES
N	N	n/a	n/a	n/a	n/a	n/a	NO SPECS
N	N	n/a	n/a	n/a	n/a	N	NO SPECS
N	N	n/a	n/a	n/a	n/a	Y	NO SPECS
N	Y	Y	n/a	n/a	Y	n/a	NO
N	Y	Y	n/a	n/a	N	n/a	YES

Quality Control - Workflow Guide

Posted Shipments

When a Sales Order is POSTED "Shipped", the values in the Compliance View are also POSTED to a "QC Posted Compliance View" Table for audit purposes.

Let's see this in action:

1. From a "Posted Sales Shipment", select the "Line" and then Item Tracking Entries.

The screenshot displays a software interface for a 'Posted Sales Shipment'. At the top, there is a navigation bar with a back arrow, a 'POSTED SALES SHIPMENT' label, and icons for edit, add, and delete. Below this, the shipment number '102043' and the customer name 'The Cannon Group PLC' are prominently displayed. A secondary navigation bar includes 'Process', 'Quality', 'Show Attached', 'Actions', 'Navigate', and 'Less options'. The main content area is divided into sections: 'General' (with a 'Show more' link), 'Lines', 'Dimensions', and 'Comments'. The 'General' section contains fields for 'No.' (102043), 'Customer' (The Cannon Group PLC), 'Contact' (Mr. Andy Teal), 'Posting Date' (1/23/2020), 'Requested Delivery Date', 'Promised Delivery Date', 'Quote No.', and 'Order No.' (1001). The 'Lines' section has tabs for 'Functions', 'Line', and 'Less options'. Under 'Line', there are options for 'Item Tracking Entries', 'Item Invoice Lines', 'Assemble-to-Order', and 'Document Line Tracking'. A table at the bottom lists the items:

TYPE	NO.	DESCRIPTION	LOCATION CODE	QUANTITY	UNIT OF MEASURE CODE	QUANTITY INVOICED	PLANNED DELIVERY DATE
Item	80216-T	Ethernet Cable		6	PCS		1/24/2020

Quality Control - Workflow Guide

POSTED SALES SHIPMENT 102043 · The Cannon Group PLC

VIEW - 80216-T - POSTED ITEM TRACKING LINES

SERIAL NO.	LOT NO.	QUANTITY	WARRANTY DATE
L-8123		6	

General

No.

Customer

Contact

Posting Date

Lines | Functions | **Line** | Less options

Item Tracking Entries

TYPE	NO.	DESCRIPTION	LOCATION CODE	QUANTITY	UNIT OF MEASURE CODE	QUANTITY INVOICED	PLANNED DELIVERY DATE
Item	80216-T	Ethernet Cable		6	PCS		1/24/2020

2. Now you see the Posted Item Tracking Lot or Serial Numbers selected for this shipment line.

3. From the “Process” option you can “View QC Results”. (Back Door to the View)

Business Central Sales Orders > 1001 · The Cannon Group PLC > Posted Sales Shipments > 102043 · The Cannon Group PLC

POSTED SALES SHIPMENT 102043 · The Cannon Group PLC

Process Quality Shipment SERIAL NO. LOT NO. QUANTITY WARRANTY DATE EXPIRATION DATE

General

No.

Customer

Contact

Posting Date

Lines | Functions | **Line** | Less options

Item Tracking Entries

SERIAL NO.	LOT NO.	QUANTITY	WARRANTY DATE	EXPIRATION DATE
L-8123		6		

Quality Control - Workflow Guide

QC Posted Compliance View

Search Show Attached Open in Excel

ITEM NO.	CUSTOM... NO.	VERSION CODE	POSTING DATE	LOT/SER... NO.	TEST NO.	QUALITY MEASURE	RESULT TYPE	MEASURE DESCRIPTION	DOCUME... NO.	LOWER LIMIT
80216-T			1/23/2020	L-8123	QCT-00007	ACCURACY	Numeric	Accuracy	102043	74.00
80216-T			1/23/2020	L-8123	QCT-00007	APPEARAN...	List	Appearance	102043	0.00
80216-T			1/23/2020	L-8123	QCT-00007	DESNISTY	Numeric	Density	102043	8.00
80216-T			1/23/2020	L-8123	QCT-00007	TONE	Numeric	Tone	102043	187.00


Notice you can Drill back to the original Quality Control Test

- Notice you can Drill Down to the Original test and Re-Print the Certificate of Analysis

Certificate of Analysis

CRONUS USA, Inc.

Date Printed: Wednesday, December 5, 2018



Item No.	Description	Lot No./Serial No.	Test Start Date	Tested By	Test Status	Test No.	Test Qty	U of M	Spec Version Used
80216-T	Ethernet Cable	L-8123	1/23/2020		Certified	QCT-00001	1	PCS	








Quality Measure	Method	Conditions	Testing UOM	Lower Limit	Upper Limit	Nominal Value	Test Value	Non-Conformance	Reason Code	Inspected
ACCURACY				74	84	70	0			
APPEARANCE				0	0	0				
DESNISTY	A			8	10	9	0			
TONE	D1500	>32 Degreee		187	197	191	188			1/23/2020 2:29:01 PM

Quality Supervisor: _____ Date: _____

Quality Control - Workflow Guide

- Since the Order Entry Department is driving the selection of the Lot Number to be picked, it is suggested that you design and print a Picking List that will include the desired Lot Number to be picked.

This document is only available if you have purchased our “**Reports Pack**” bundle of 60 Reports.

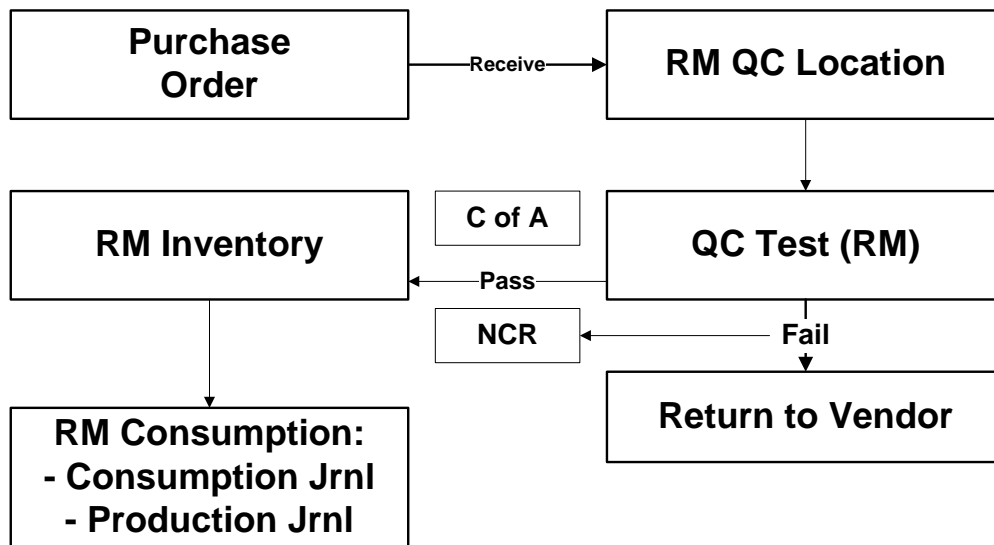
From: CRONUS USA, Inc. 7122 South Ashford Street Atlanta 30328	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> PICKING / PACKING SLIP </div>	October 4, 2003 Page 1																								
	 1034	Sales Order Number: 1034 Sales Order Date: 07/16/03 Customer Number: 10000																								
Bill To: The Cannon Group PLC Mr. Jeremy Brown 192 Market Square Atlanta, GA 30117-6611	Sold To: The Cannon Group PLC Mr. Jeremy Brown 192 Market Square Atlanta, GA 30117-6611	Ship To: The Cannon Group PLC Mr. Jeremy Brown 192 Market Square Atlanta, GA 30117-6611																								
Phone: (404) 555-0001 Fax: Ship Method Ex Warehouse Ship Agent DHL		SalesPerson Peter Schmidt Terms 1 Month/2% 8 da Ship Date 10/16/03 Reference																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Item No.</th> <th style="text-align: left;">Description</th> <th style="text-align: left;">Unit of Measure</th> <th style="text-align: left;">Qty to Pick</th> <th style="text-align: left;">Qty Picked</th> <th style="text-align: left;">Qty Packed</th> <th style="text-align: left;">Unit Weight</th> <th style="text-align: left;">Total Weight</th> </tr> </thead> <tbody> <tr> <td style="vertical-align: top;"> 70105  </td> <td style="vertical-align: top;"> Paint - Orange Lot No. _____ _____ Quantity to Pick _____ L987 _____ 1.00 </td> <td style="vertical-align: top;"> KG </td> <td style="vertical-align: top;"> 1 _____ </td> <td style="vertical-align: top;"> _____ </td> <td style="vertical-align: top;"> _____ </td> <td style="vertical-align: top;"> _____ </td> <td style="vertical-align: top;"> _____ </td> </tr> <tr> <td style="vertical-align: top;"> 80001  </td> <td style="vertical-align: top;"> Computer III 533 MHz Lot No. _____ _____ Quantity to Pick _____ L98 _____ 2.00 </td> <td style="vertical-align: top;"> PCS </td> <td style="vertical-align: top;"> 2 _____ </td> <td style="vertical-align: top;"> _____ </td> <td style="vertical-align: top;"> _____ </td> <td style="vertical-align: top;"> _____ </td> <td style="vertical-align: top;"> _____ </td> </tr> </tbody> </table>	Item No.	Description	Unit of Measure	Qty to Pick	Qty Picked	Qty Packed	Unit Weight	Total Weight	70105 	Paint - Orange Lot No. _____ _____ Quantity to Pick _____ L987 _____ 1.00	KG	1 _____	_____	_____	_____	_____	80001 	Computer III 533 MHz Lot No. _____ _____ Quantity to Pick _____ L98 _____ 2.00	PCS	2 _____	_____	_____	_____	_____		
Item No.	Description	Unit of Measure	Qty to Pick	Qty Picked	Qty Packed	Unit Weight	Total Weight																			
70105 	Paint - Orange Lot No. _____ _____ Quantity to Pick _____ L987 _____ 1.00	KG	1 _____	_____	_____	_____	_____																			
80001 	Computer III 533 MHz Lot No. _____ _____ Quantity to Pick _____ L98 _____ 2.00	PCS	2 _____	_____	_____	_____	_____																			

Quality Control - Workflow Guide

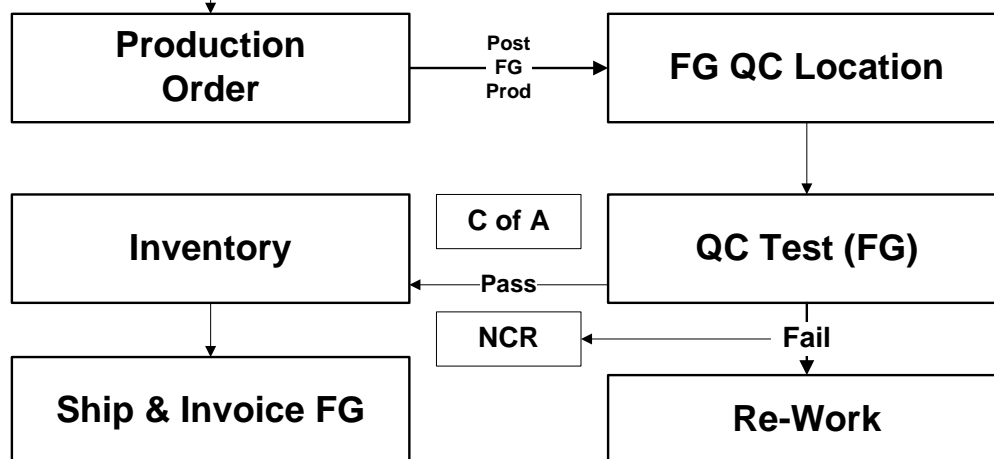
Microsoft Dynamics 365 Business Central Manufacturing and Quality Control

Quality Control for Manufacturing

Raw Material Receiving



Finished Good Production



Quality Control - Workflow Guide

For Manufacturing Customer: (Premium Edition is Required)

Here are some additional comments for our “Manufacturing” type of customers.

Let’s review the steps for Finished Goods that YOU are producing:
Similar to Raw Material Receipts but you are MAKING, NOT BUYING.

Three (3) Easy Steps - Production of Finished Goods Workflow (FG):

1. Use your “Production Journal” to Post Finished Good to the QC Location.
(Follow your Manufacturing instructions for this process)
2. Now you have Quantity On-Hand of the FG Item with a Lot Number or S/N.
3. Follow the same procedures as shown above to perform a QC Test of the Item.

Production Order Processing Tip:

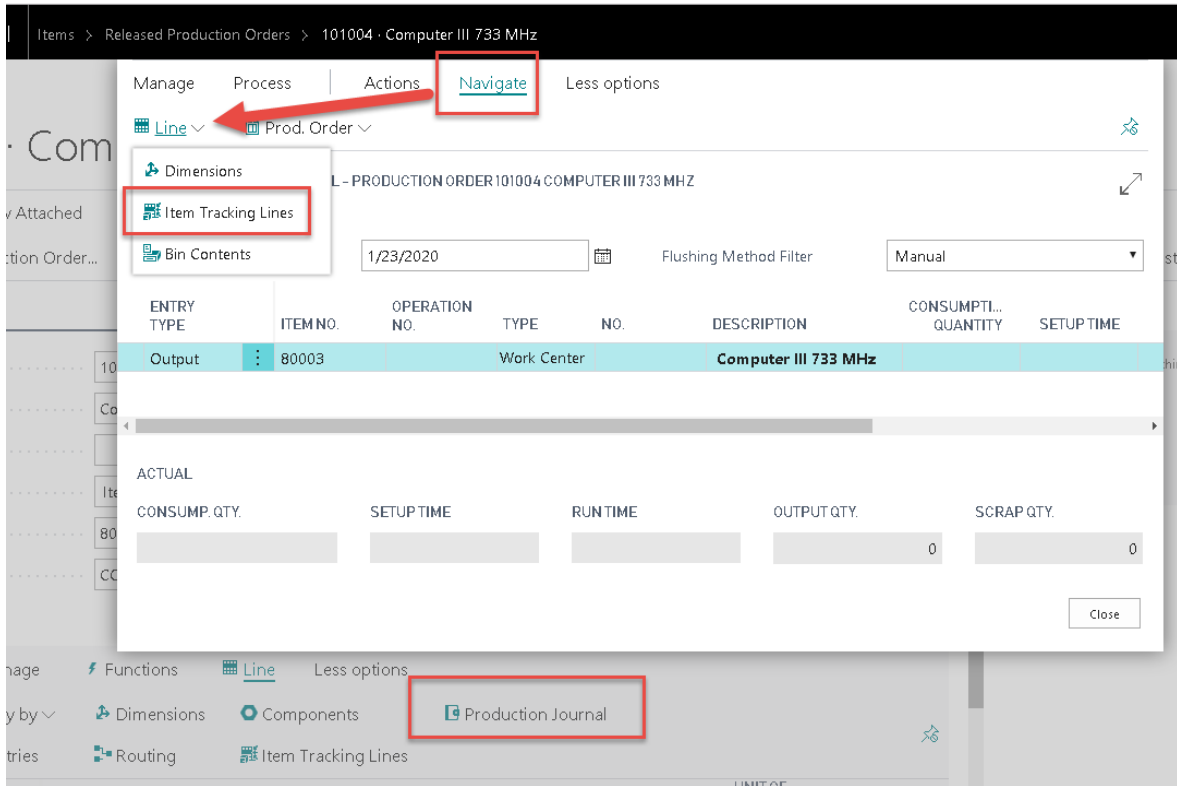
Some companies will produce a Finished Good Item that is to be put into Finished Goods Inventory with a Lot Number. In this case the Company is assigning the Lot Number themselves to the Finished Good Item.

The item must be produced into Finished Goods Inventory before Lot Number Testing can begin.

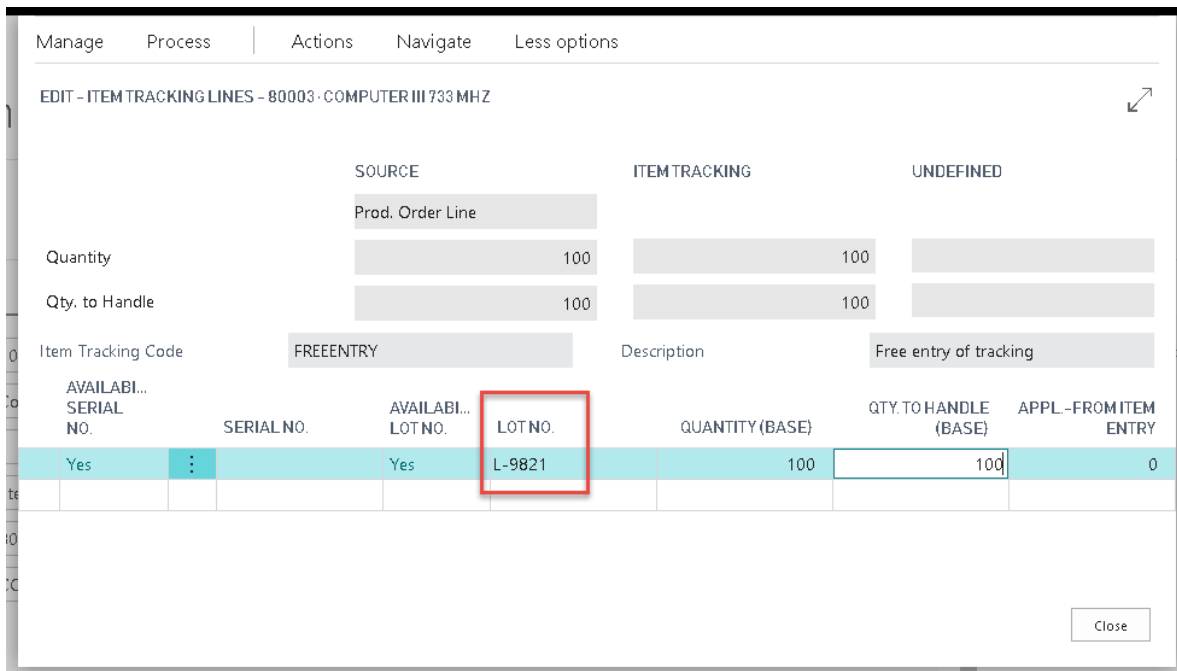
Be sure to follow normal Manufacturing steps and record the Finished Good’s Lot Number in the Production Journal process.

1. During your recording of the Qty Produced in the Output Journal (or Production Journal), go to the “Item Tracking Lines” and enter the desired Lot Number to assign to your Finished Good Item. This will put your FG and Lot No. into the Item Ledger Entries.

Quality Control - Workflow Guide

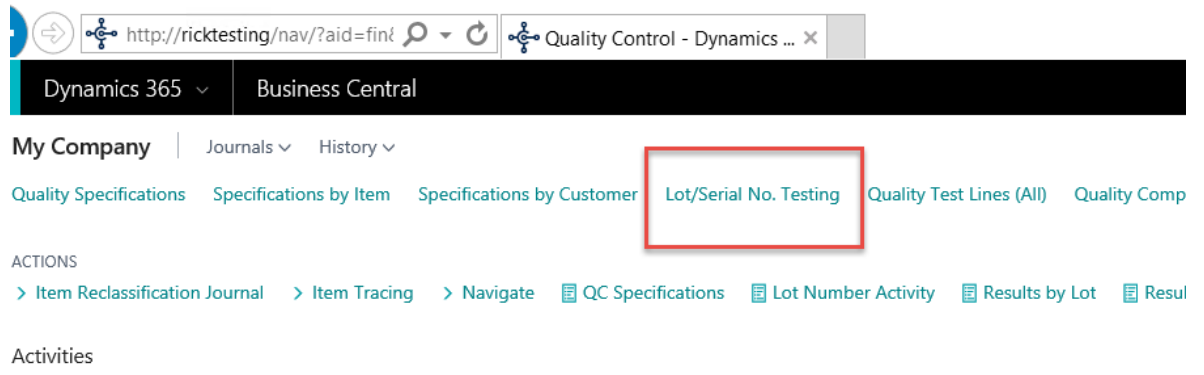


2. Now enter the Lot Numbers. (Or let system Assign them)



Quality Control - Workflow Guide

3. Close the Item Tracking Line Window. This will be the Lot Number to be placed into the Item Ledger and into the Lot Information Card. Notice that it is possible to split a production run into multiple Lot Numbers if needed.
4. Go to the Lot Number Information Card. Find the Lot Number just produced.
5. Open the “Lot/Serial No. Testing” Card.



6. Record the Test Results as discussed above.
7. Print a Certificate of Analysis Report if needed.

Quality Control - Workflow Guide

Blocking Lots

From time to time it may become necessary to BLOCK a specific Lot.

From the Lot No Information Card, just click YES to set the field to block. This will prevent any further Sales Order Processing until the Block is removed.

Ideal for NCR (Non-Conformance Reporting) and Blocking further processing.

The screenshot shows the 'LOT NO. INFORMATION CARD' for '80216-T · L-8123 · Ethernet Cable'. The 'Blocked' toggle switch is turned on, indicating that the lot is blocked. The 'Lot Test Exists' field is set to 'Yes'. The 'Inventory' section shows 'Quantity on Hand' as 8 and 'Expired Inventory' as 0.

General	
Item No.	80216-T
Description	Ethernet Cable
Variant Code	
Test Quality	
Lot No.	L-8123
Certificate Number	
Lot Test Exists	Yes
Blocked	<input checked="" type="checkbox"/>

Inventory	
Quantity on Hand	8
Expired Inventory	0

Quality Control - Workflow Guide

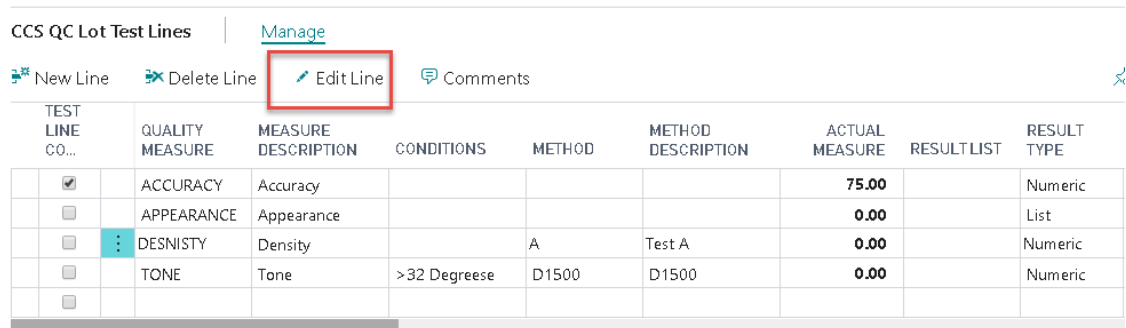
What's New for Microsoft Dynamics 365 Business Central:

1. "Edit Line" controls at the QC Test Lines Level.

"Test Line Complete" is a Toggle.

Again, this is tied-in with the "QC Manager" concept.

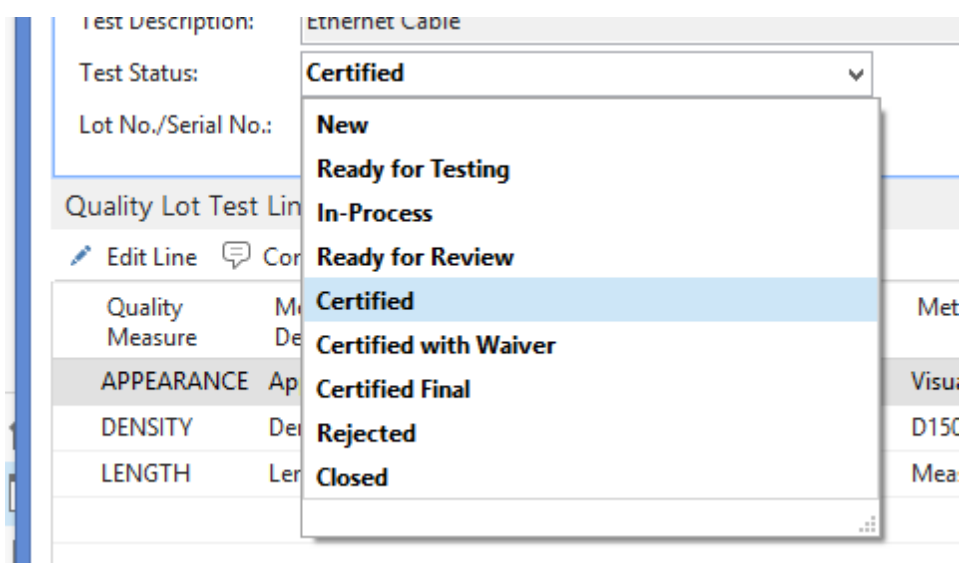
Un-Check the Completed Status to Edit the Test Results.



TEST LINE CO...	QUALITY MEASURE	MEASURE DESCRIPTION	CONDITIONS	METHOD	METHOD DESCRIPTION	ACTUAL MEASURE	RESULTLIST	RESULT TYPE
<input checked="" type="checkbox"/>	ACCURACY	Accuracy				75.00		Numeric
<input type="checkbox"/>	APPEARANCE	Appearance				0.00		List
<input type="checkbox"/>	DESINISTY	Density		A	Test A	0.00		Numeric
<input type="checkbox"/>	TONE	Tone	>32 Degreese	D1500	D1500	0.00		Numeric
<input type="checkbox"/>								

2. Increased Statuses

We added "Ready for Testing" and "Ready for Review" for the QC Manager to assign a Test to a Lab Technician.



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3. Change Status Logic

This is the concept of who is allowed to change the status to Certified.

If you want everyone to be able to certify a QC test then set all Users in User Setup to “Quality Manager”.

User Setup

USERID	ALLOW POSTING FROM	ALLOW POSTING TO	REG. TIME	SALES PERS./P... CODE	SALES RESP. CTR. FILTER	PURCHASE RESP. CTR. FILTER	SERVICE RESP. CTR. FILTER	TIME SHEET ADMIN	E-MAIL	QUAL... MAN...
CCSNETDOUG										<input checked="" type="checkbox"/>
CCSNETRICK			<input type="checkbox"/>					<input type="checkbox"/>		<input checked="" type="checkbox"/>

4. Auto-Creation of Test Header Comment upon Test Status Change

There is a new option in QC Setup that automatically creates Test Line Comments.

DATE	COMMENT
1/23/2020	User Rick Baxter Changed the Test Status to Ready for Testing

5. Outside Testing:

You can now mark a Specification Line to require an outside lab to do the testing.

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CCS QC Lot Test Lines | [Manage](#)

New Line
 Delete Line
 Edit Line
 Comment

Outside Testing
 Yes, if testing is to be done by a sub-contractor
 Press Ctrl+F1 to learn more

TEST LINE CO...	REASON CODE	REASON DESC.	CU... TEST	OU... TE...	DATE TESTED	TIME TESTED	IGN... FOR UP...	FRE
<input checked="" type="checkbox"/>	⋮		<input type="checkbox"/>	<input type="checkbox"/>	1/23/2020	7:19:53 PM	<input type="checkbox"/>	
<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	
<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	
<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	
<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	

6. We made it easier to access the “Results List” from the “Measures” in Set Up of Specifications.

This is the values that Pop-Up when Line Result Type = LIST.

Quality Control Measures

Search
 + New
Edit List
X Delete
Process
Show Attached
 Open in Excel
Actions
Less options

Result List

NO.	DESCRIPTION	RESULT TYPE
ACCURACY	Accuracy	Numeric
APPEARANCE	Appearance	List
DENSITY	Density	Numeric
STONE	Stone	Numeric

← APPEARANCE

Quality Measure Results

Search
 + New
Edit List
X Delete
Show Attached
 Open in Excel

CODE	DESCRIPTION	NON-CONFORMAN...
GOOD	Good	<input type="checkbox"/>
FAIR	Fair	<input type="checkbox"/>
POOR	Poor	<input checked="" type="checkbox"/>

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7. The Ability to Add “Ad-Hoc” Test Lines

You now have the ability to add additional Test Lines as needed. These are Test Lines that are NOT part of the “base Specification”.

Note: You must be logged in as a QC Manager in User Setup.

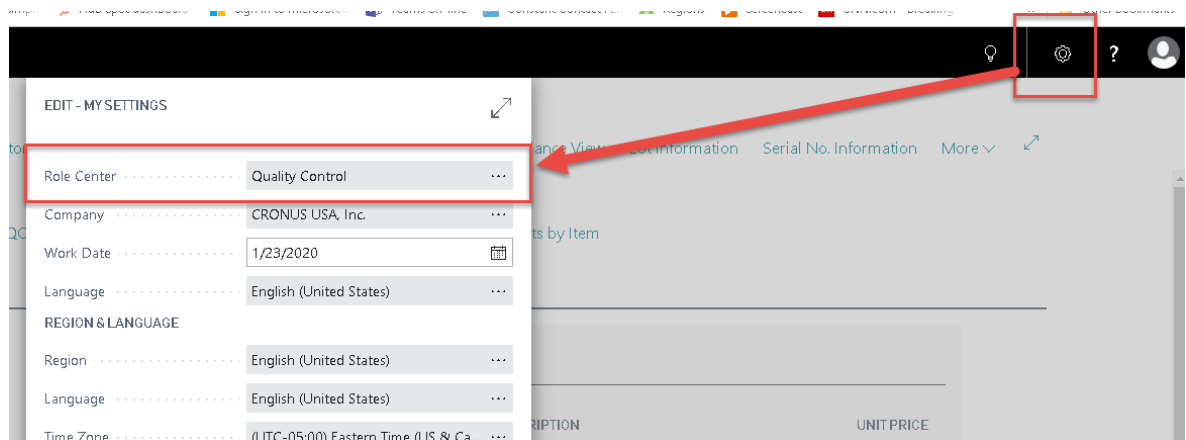
8. Prevent the Printing of “CoA”s unless a certain Test Status is achieved

There is a new QC Setup Boolean to control the “Certified-Class” Statuses that will allow Printing of a CoA.

9. There will only be ONE “Certified Final” Test per “Lot/SN”.

10. New in Microsoft Dynamics 365 Business Central – Quality Control Role Center

Be sure to use this great Role Center.



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Microsoft Office Home x Microsoft Office Home x Quality Control - Dynamics 365 | x

Not secure | ccs14:8080/qualitycontrol130/?company=CRONUS%20USA%2C%20inc.&dc=0

Dynamics 365 Business Central

CRONUS USA, Inc. | Journals | History

Quality Specifications Specifications by Item Specifications by Customer Lot/Serial No. Testing Quality Test Lines (All) Quality Compliance View Lot Information More

ACTIONS

> Item Reclassification Journal > Item Tracing > Navigate QC Specifications Lot Number Activity Results by Lot Results by Item

Insights

Activities

ACTIVE QC TESTS

READY FOR TESTING 0 IN-PROCESS 1 READY FOR REVIEW 0

CERTIFIED QC TESTS

CERTIFIED 1 CERTIFIED WITH WAIVER 0 CERTIFIED FINAL 0

GENERAL

POLINES WITH... QC REQ 0 PURCH RECEL... QC REQ 1 ITEMS IN QC QUARANTINE 0

My Items

ITEM NO.	DESCRIPTION	UNIT PRICE
1000	Bicycle	4,000.00
1001	Touring Bicycle	4,000.00
1100	Front Wheel	1,000.00
1150	Front Hub	500.00
1200	Back Wheel	1,200.00

Report Inbox

CREATED DATE-TIME	DESCRIPTION	OUTPUTTYPE
(There is nothing to show in this view)		

This Role Center, like all Role Centers, can be adjusted or personalized if needed.

11. More features are being added based on End User Feedback.

If you have a product improvement or suggestion we would love to hear from you.

12. Road Map –

We plan to add “In-Line” Testing for QC Testing DURING the Manufacturing Process per Router Operation. (ETA – Fall of 2019)

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Some additional comments on Quality Control

If a lot is tested several times and there are several certified tests available for that lot, all the tests are stored. However, the lookup from the sales line will find the most current test per quality measure. If the most recent set of quality measurements are compliant then the lot will be flagged compliant.

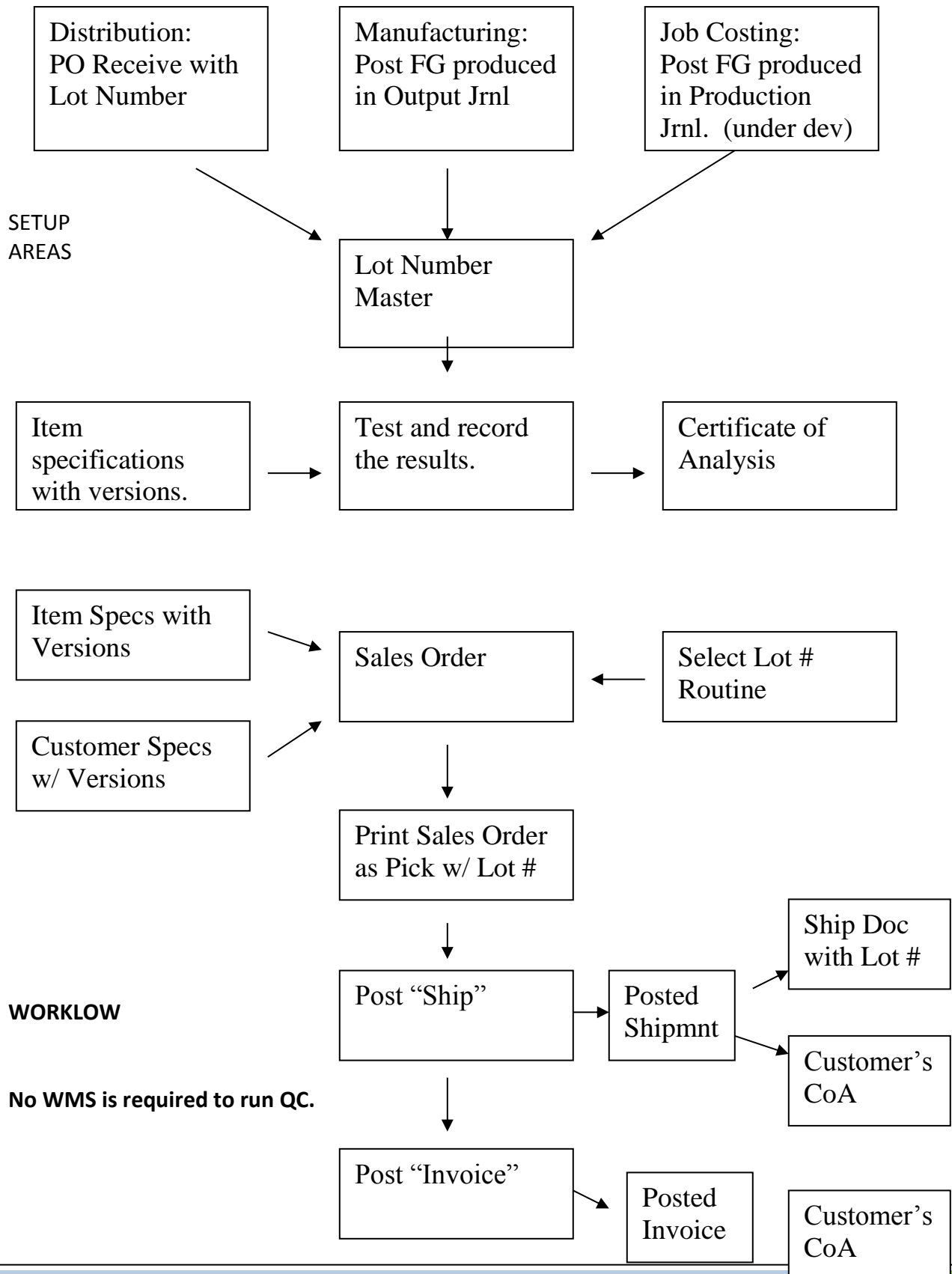
The Status “Certified” on a lot test does not mean totally compliant. It means the test is complete and it could possibly be acceptable to some customer for sale. If a lot is flagged non-compliant from the sales line that means at least one quality measure on the most recent measurements on the lot was out of compliance. The user can drill to a view of the most recent measurement tests to see which measurement was out of compliance and by how much.

Tip: You can adjust the Stop Light Indicators in Cue Setup.

Cue Setup

USERNAME	TABLEID	TABLERNAME	CUEID	CUENAME	LOW RANGE STYLE	THRESHOLD1	MIDDLE RANGE STYLE	THRESHOLD2	HIGH RANGE STYLE
	9053	Sales Cue	7	Sales Credit Memos - Open	None	15.00	Ambiguous	20.00	Unfavorable
	9053	Sales Cue	8	Partially Shipped	Favorable	1.00	Ambiguous	20.00	Unfavorable
	9053	Sales Cue	9	Average Days Delayed	Favorable	3.00	None	7.00	Unfavorable
	9054	Finance Cue	3	Purchase Documents Due Today	Favorable	0.00	None	0.00	Ambiguous
	9054	Finance Cue	16	Overdue Purchase Documents	Favorable	0.00	None	0.00	Unfavorable
	9054	Finance Cue	17	Purchase Discounts Next Week	Favorable	0.00	Ambiguous	0.00	None
	9054	Finance Cue	18	Purch. Invoices Due Next Week	Favorable	0.00	None	0.00	Ambiguous
	9063	Relationship Mgmt. Cue	14	Contacts - Duplicates	None	0.00	None	1.00	Unfavorable
	14004611	QC Cue	10	Ready For Testing	Favorable	5.00	Ambiguous	10.00	Unfavorable
	14004611	QC Cue	11	In-Process	Favorable	5.00	Ambiguous	10.00	Unfavorable
	14004611	QC Cue	12	Ready For Review	Favorable	5.00	Ambiguous	10.00	Unfavorable
	14004611	QC Cue	13	Certified	Unfavorable	5.00	Ambiguous	10.00	Favorable
	14004611	QC Cue	14	Certified With Waiver	Favorable	5.00	Ambiguous	10.00	Unfavorable
	14004611	QC Cue	15	Certified Final	Unfavorable	5.00	Ambiguous	10.00	Favorable
	14004611	QC Cue	40	PO Lines with QC Required	Favorable	2.00	Ambiguous	5.00	Unfavorable
	14004611	QC Cue	41	Purch Receipt Lines QC Req	Favorable	2.00	Ambiguous	5.00	Unfavorable
	14004611	QC Cue	44	Items in QC Quarantine	Favorable	2.00	Ambiguous	5.00	Unfavorable

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Support

Congratulations on your purchase of Quality Control! 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.

Cost Control Software sincerely appreciates your trust in our products.

Should you have any questions or comments regarding our product, we encourage you to contact us.

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

Visit: <http://costcontrolsoftware.com/quality-control/> for more information.

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