

Quality Control Plans

Overview of the quality control process data

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Beas tutorial

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1. INTRODUCTION

Quality Control Plan is a module included in the Beas basic license that enables you to set up and perform a quality control process with measurements and inspections. These measures ensure that the materials meet the requirements and specifications of customer products.

This tutorial is a high-level overview of the Quality Control process in Beas for the most common scenarios. This tutorial provides:

- General overview of the QC process
- Explanation on fields impacting the QC Process based on a QC plan
- Overview of a QC Plan

The Beas Quality Control module is focused on processes. With the Quality Inspection plan as a base, you can create quality control orders based on the following:

- Good receipts for purchase or production items
- Operations of the production process

The QC Plans can be set up in the item master data for all items where quality control is required.

It is possible to link more items to a quality control plan and to add more than one quality control plan for an item. For example, Item A in the image has a quality control plan assigned for the finished product, so it is of type production.



This can be set in the Quality control tab of the item master data.

Qu	uality control FT	mhaManuali ⊪⊧101 01								
	Master Data	Bill of Materials	Routing	Configurator	Quality contro	l				
#	Priority	Information	Doo	cument type)	Inspection Plan	Release	Valid from Valid to	В
1	1	GR Production	Pro	duction			MVSQ3		12.06.20(

Based on the quality control plan setting, the system generates the QC order, in the above example for Item A, when the production is finished.

2. QUALITY CONTROL PROCESS TYPES

Quality control plans can be set up for the production or goods receipt processes.

2.1. Goods receipt with QC

This process can be set up for purchase or production items.

In this case a QC Order is generated based on the QC plan setup of the item master data, as soon as a good receipt is issued based on purchase items. According to the sample and measurement setup in the QC plan, open sample and measurement positions are created that must be checked and released.

For batch or serial numbers items, an automatic link is created. After releasing the measurements, samples and the QC order itself, the batch and serial numbers can also be released for next step in the process or for shipping, in case of a finished product.



The various release steps can be performed by different personnel. If you want to work with additional warehouses, like a scrap or QC warehouse, a transfer can be completed from the QC order to each of these warehouses.



2.2. Time receipt in production with QC

In this case the QC Order is generated during the production process. The QC plan must be linked to a routing. Based on three options in the Configuration Wizard the system can generate QC orders automatically to the routings. See *Configuration Wizard* for details.

Person A	Q-Operation 1
Person B	QC- Order
	Working on samples
	Sample 1
	Sample 2
	Release sample
Person B	Release QC-Order
Person C	Operation 2

With an additional option in the Configuration Wizard, it is possible to avoid starting an operation which follows a QC operation with a QC order that is not released (FDC rules).

3. CREATING A QC INSPECTION PLAN

The Quality Control Plan is set up in the quality control module.

Production > Quality Control

A QC plan can contain attachments, measurements, different release and execution conditions.



In a QC inspection plan setup, the behavior of the generated QC order, the samples and measurement positions are defined.

The basic process of defining the plan is as follows:



3.1. Creating the master data of the QC inspection plan

1. Open the QC inspection plan screen.

Production > Quality control > QC inspection plan

All available QC plans are displayed. Plans can be edited, deleted and new plans can be set up.

Plan deletion is only possible if the plan is not used in an item master data or an existing QC order.

2. Click the **New** button.

OC increation plan		Group		- 0
Information		Group		
Copy From	~			
Master Data Release F	Rule Execution			
Sample All 📫	Warehouse unit	Version		
Sample per	Minutes	Approved		
Per Serial Number		Date		
Input All	•	Name		
Picture d bmp\Scale	s.png 🔻	Valid from	04.03.19	-
- 1	-	Valid to		-

- 3. The QC inspection plan name and Information fields are mandatory. For complete field descriptions, see the *Master Data tab*.
- 4. Click the **Add** button to save the plan.

3.2.	QC templates for measurement	positions
------	------------------------------	-----------

Production > Quality control > QC templates

A list of predefined measurements for quality control are displayed on this screen. These are the available measurements to choose from in a QC plan.

To create a new measurement:

1. Click the **New** button.

QC TEMPLATE				
QC order		Relevant Print		
Methodology				
Type of input	Measurement 🔹	Picture		-
		Color		-
		Test tool		-
		Group	⇒	▼ 🗉
		Manually OK		
Supplier	•	Automatic Release		
Condition	•	Unit		-
Item Rule	•	Attribute Selection		
Only All documents				
Always by Error				
Only All Measurement Position				
Script				
Add Cancel	<u>N</u> ew Delete			5

2. Insert the required information.

The type of input defines the QC process:

- *Measurement*: Value is checked between a minimum and maximum value.
- *Attribute*: A measuring position can be marked as okay and a value can be entered, but it is not checked.

• *Text*: The position is only displayed, there is no confirmation or data entry.

After the template is added, this measurement template is available to select when a new QC inspection plan is created.

3.3. Creating measurement positions in QC plans

In a QC order, individual measurement positions can be created that are related to samples. These positions are set up in the QC inspection plan, under the Measurement Position tab.

Production > Quality control > QC inspection plan

Before creating a new measurement position, create a QC template. See QC templates for measurement positions.

To set up a measurement position:

- 1. Open the QC inspection plan to edit.
- 2. Go to the Measurement Position tab and click the **New** button.



3. In the QC order field add the required QC template. Depending on the template, new fields become available. For a complete field description, see *Measurement Position*.

Position	1		Relevant	
QC order	⇒	-	Print	
Methodology				
Type of input	Measurement	•	Picture	or phylogen area a start and bmp\Scales.png ▼
				_
			Color	· · · · · · · · · · · · · · · · · · ·
			Test tool	•
			Color Test tool Group	
Measurement Condition			Color Test tool Group	
Measurement Condition		Unit	Color Test tool Group test	
Measurement Condition Desired Value Minimal		Unit	Color Test tool Group	• • •
Measurement Condition Desired Value Minimal Maximum		Unit	Color Test tool Group	• • • •

4. The measurement position can be set as *Relevant*.

The measurement is checked at release if *Relevant* is marked. For Text type measurements, this is disabled.

Note: For an automated release process, at least one *Relevant* measurement position is required.

3.4. Attachments and documents

Production > Quality control > QC inspection plan

Up to 3 images can be attached to a QC plan. Click on the camera icon to select a picture, which is then displayed on the screen. The added images can be printed on QC documents.

QC inspection pla	an New		
Master Data	Measurement Position	Attachments	Documents
ion 🐹 🖻	io 😿 🗟		ion 🐹 🖻
<u>о</u> к	Cancel		

Documents (PDF, Word and Excel, and so on) can be added to an inspection plan. These documents can be opened from the created QC orders. To attach a new document, click the **New** button.

- 1. Select the type of document, a category and a description.
- 2. Click the icon in the File field to attach the document.

A *Release* flag can be set for the attached document by marking the checkbox.

	ocuments		
Туре	File	Version	1
Category	•	Release	
Description	Default Test	Release From	manager
File	C:\Daten (Projekt)\Test\Test1.xlsx	👻 Release Date	15.12.2016 13:52:30
Confirm	one time per order 🛛 🔫		
File Copy			
Picture	bmp\document-excel.png	Color	0
Condition Executi	on		
Condition Executi Valid from Valid to	on The second se		
Condition Executi Valid from Valid to Business partner	on 		
Condition Executi Valid from Valid to Business partner Item Rule	on		

It is possible to open and confirm these documents during the QC process. Beas saves and shows the confirmed documents when the **Report confirmation** button is used.

Doo	ument	ts P644/20,	/40						
#		Туре		Catego	y Description		Version	Date	
		File			Attachment			12.10.2017 09:27	7
			Bes	tätigungen					
			#	Personnel	Name	Date	Work station	QC order	
			1	4	Tim Wehrle	12.10.2017 09:2	27:BEAS-TW	P644/20/40	
				<u>E</u> nd				4	
							\		
								N	
								<u> </u>	

It is also possible to see all confirmations on a QC plan by clicking the **Confirmation** button.

_Q	C inspectio	n pla	n QS1										_
	Master D	ata	Mea	surement Position	Att	tachments	Docum	ents					
4	# Des	cripti	on			Group	Туре	Confirmation	Copy create	Version	Release	Release User	
1	🖉 Defa	ault 1	Fest				Anlage	one time per order		1		1	
		Be	stätigunge	en									
		#	Personn	iel Name	Date	Wor	k station	QC order	Ver	rsion			
		1	4	Tim Wehrle	15.12.201	6 14:04:BEA	S-TW	B:WE0176					
		2	4	Tim Wehrle	15.12.201	6 14:11:BEA	S-TW	B:WE0177	1				
								4	/				
													_
								· · · · ·					
•							-	_					
	Edjt		E	nd <u>N</u> ew	Delet	te cont	firmation						

3.5. Release setting options of the QC inspection plan

Production > Quality control > QC inspection plan

The release of samples and the QC order can be set to be automatic or manual. When a manual setting is used, the individual measurement positions or the whole QC order can be released if the sample is okay.

3.5.1.Sample release

Each sample has linked measurement positions and the release of samples is linked to the measurement positions. The setting allows to either automatically release the sample when the measurement is okay or to do a manual release.

Master Data	Release	Rule	Execution	
Sample				
Release		Au	Itomatically	-
Electronic signatur	re	A	utomatically	
Valuation		М	anually only if ok	
QC order		м	anually always	
Release		Ma	anually always	
Electropic signatu	0			

3.5.2.QC order release

The QC order release is linked to the samples. The QC order can either be set to automatically release, when all the samples are released, or a manual release setting can also be used.

Master Data	Release	Rule	Execution	
Sample				
Release			omatically	-
Electronic signatur	e			
Valuation		Yes		-
QC order				
Release		Mar	nually always	-
Release				
Electronic signatur	e	Au	tomatically	
Electronic signatur Valuation	e	Au Ma	tomatically nually only if ok	
Electronic signatur Valuation Transfer / Batch R	e elease	Au Ma Ma	tomatically nually only if ok nually always]

3.5.3. Transfer booking

In a QC process, goods can be transferred to another warehouse after releasing the QC order. To allow this transfer any time, set the *Manually* in the *Transfer/ batch release* field. The batch status can also be released any time.

If the transfer is only allowed after releasing the QC order, set this option up as Mandatory.

Electronic signature		
Valuation		-
Transfer / Batch Release	Manually	-
Automatically Close	Manually	
	Mandatory	

3.5.4. The Four Eyes Principle

It is possible to set the release of samples and QC orders in a way that an additional person must confirm the results. The person performing the inspection must enter a password, that is defined in the human resources master data. The *Electronic signature* setting enables this functionality.

Master Data	Release	Rule	Execution	
Sample				
Release		Manu	ally only if ok	-
Electronic signature	е	V		
Valuation		Yes		-
QC order				
Release		Manu	ally only if ok	-
Electronic signature	e	V		
Valuation				-
Transfer / Batch Re	elease	Manu	ally	-
Automatically Close				-

4. QC INSPECTION PLAN FIELD GUIDE

4.1. Master Data tab

QC inspection pla	n New			_	
Master Data	Measurement Position	Attachments	Documents		
QC inspection plan	New		Group		
Information	This is my QC plan.				
Master Data	Release Rule	Execution			
Sample All 🛛	>	Warehouse unit	Version		
Sample per		Minutes	Approved		
Per Serial Number			Date		
Input	All		 Name 		
Picture d	bmp\Scales.png		▼ Valid from	04.03.19 💌	
Color			 Valid to 	•	
<u>o</u> ĸ	Cancel Delete	Parallel mat	ch <u>R</u> eference		53

QC inspection *plan*: Unique ID for an inspection plan. This value cannot be changed later.

Group: The plans can be assigned to a group. A new group can be created, or an existing group selected in this field.

Information: The description of the plan.

Copy From: Available when a new plan is created. An existing inspection plan can be selected, from which measurement positions are used.

Sample All: Indicate how often a sample is taken. For zero value, only one sample is inserted.

Sample per: The option is only active, if the QC-inspection plan is stored in an operation. The total planned time is used to calculate the number of samples. The Sample All option is ignored in this case.

Per Serial Number: If active, a link to the serial numbers is created and the serial numbers are displayed in a new screen. The option is ignored, if the QC inspection plan is stored in an operation.

Input: This setting affects the visibility of some of the buttons.

- *Per sample:* Measurements are indicated per sample.
- Per measurement position: Registration of samples per measurement position-
- *All:* Both type of registrations are possible.

Picture: The icon of the plan.

Color: A color can be defined for the text of the plan.

Version: The version of the plan. Informational only.

Approved: An informational field that indicates whether the plan is supposed to be used.

Date: Release date.

Name: Personnel who released the inspection plan.

Valid from: Inspection plan valid from date.

Valid to: Inspection plan valid to date.

Delete: Deletion of the QC inspection plan is not possible, if the inspection plan is stored in an operation catalog, routing, item link or work order.

Parallel: Additional inspection plans can be linked to the current inspection plan with this button. If a QC-order is created for one inspection plan, a parallel QC order is created for the second inspection plan. This can be used, if several employees are working on quality control tasks that can be run parallel.

Match: All measurement positions of all samples in open QC orders are matched. All measurement positions are deleted and inserted as new. All open quality control orders without measurement results are affected.

Reference: Shows all the items that this QC plan applies to.

4.2. Measurement Position

QC inspection plan New				_	_ 🗆 🗙
Position QC order Methodology		Ð	Relevant Print		
Type of input Measurement Condition	Measurement		Picture Color Test tool Group	ol ₂ bmp∖Scales.png	▼ ▼ ▼ ≣
Desired Value Minimal Maximum Manually on OK Set allow		Unit	test 🗸		
Add Cancel	Delete				53

Position: The measurement list is sorted by this number.

QC order: Link to the QC template. Use the drop-down list to select a template. After selection, the description is also transferred.

Relevant: The measurement is checked at release if the *Relevant* checkbox is marked. For text type measurements, this option is disabled.

Note: For an automated release process, at least one *Relevant* measurement position is required.

Print: This option must be activated if the measurement position should be printed in a quality control protocol.

Methodology: Long description of the measurement.

Type of input: The type of input defines the QC process:

- *Measurement:* Value is checked between a minimum and maximum value.
- *Attribute:* A measurement position can be marked as okay and a value can be entered, but it is not checked.
- *Text:* The position is only displayed, there is no confirmation or data entry.

Picture: Icon image to be displayed in lists.

Color: A color can be defined for the text of the entry.

Test tool: A test tool can be selected. This field is for information only and has no further effect.

Group: The measurement position can be assigned to a QC group.

4.2.1.Measurement tab

Desired Value/Minimal/Maximum: Only available for Measurement type position. The measurement position is released when the measured value lies within the accepted range that is set up here.

Manually in OK Set allow: Allows manual override of the measured value, even if it is out of range.

4.2.2.Condition tab

Business partner: Restricts the measurement position of the plan to a selected business partner.

Condition: The measurement position is only created if the condition is met.

Item Rule: The measurement position is only inserted, if this field is empty or matches the value was entered in QC item link in quality control item master data.

Only All Documents: The measurement position is inserted for the selected documents. For example, the value 5 inserts it for the first and the sixth document.

Always by Error: This setting is only used, if the *Only All Documents* setting has a value. On a faulty QC order, the counter is reset, and the measurement position is inserted.

Only All Samples: The measurement position is inserted for the selected samples. For example, the value 5 inserts it for the first and the sixth sample.

Script: A script can be stored to determine, whether to create a measurement position.

Attribute Selection: Only valid for the Attribute measurement type. A selection list can be stored to register attributes

5. CONFIGURATION WIZARD

Configuration Wizard > Quality control > Create

Configuration Wizard settings determine the behavior of the QC plan.

5.1. Creating an order

Configu	ration wizard		-
	Master Data		
19	Production		
¥ E	Quality control		
P 1	Create		
10	Create QC-Order at booking	on each Warehouse	~
į 📕	QC - Order create per	Item and Batch	•
i 📁	Security query From 200 entries		
i 📁	 Directory Copy Documents 	C:\Daten (Projekt)\Test\	-
- in	Durchase Oceanie respire		

Create QC-Order at booking: This parameter determines whether the QC order is created when bookings are done on any warehouse or only on a special QC warehouse.

The QC warehouse can be defined in Beas extended warehouse options.

QC-Order create per: Creating a QC order can be based on batch, on order receipt, or on item number.

Directory Copy Documents: Documents can be linked, and the path can be defined. If a document linked to a QC order changes, a new file with a new version is saved in the defined path.



05

Purchase Goods receipt Booking on Warehouse: Defines the purchase warehouse goods are posted to, if *only QC-warehouse* is set at *create QC-order at booking*. Only warehouses of goods receipt type can be selected.

Only if QC Plan exists

Only book to QC-warehouse, if: Determines whether all items or only items with a QC plan should be considered during the posting to this warehouse. This function only works with the Beas goods receipt function.

5.3. Production

Configuration Wizard > Quality control > Production

Purchase Goods receipt Booking on Warehouse

Only book to QC-warehouse, if



Create QC-Order automatically when: Determines the operation for which the QC order is automatically generated. This can be when the work order is created, when the time receipt on an operation is created or at the login of an operation.

```
5.4. Batches
```

```
Configuration Wizard > Quality control > Batches
```

Date parameters for batches can be set in the Configuration Wizard. The method of generating fields and parameters in the batch master data can be defined.



Release: Date of production: Manufacturing date.

Release: date of entry: Date of receipt.

Release: Expiration Date: Expiration date when batches are released.

6. EXAMPLES

6.1. QC order created automatically when a goods receipt is created

In this example, an inspection plan is set up for a raw material managed in batches. The QC orders are set to be created automatically at goods receipt.

1. Create an inspection plan as described in *Creating a QC inspection plan*.

QC inspection plan QC_RAWMAT_PCS Master Data Measurement Position QC inspection plan QC_RAWMAT_PCS Group Information Raw Material Inspection / Pieces Master Data Release Rule Execution Sample All Varehouse unit Version Image: Complexity of the secution Sample per Minutes Per Serial Number Date Input All
Master Data Measurement Position Attachments Documents QC inspection plan QC_RAWMAT_PCS Group © Information Raw Material Inspection / Pieces © © Master Data Release Rule Execution Sample All Warehouse unit Version © Per Serial Number Input All Name manager
QC inspection plan QC_RAWMAT_PCS Group ▼ Information Raw Material Inspection / Pieces Information Information Master Data Release Rule Execution Sample All Image: Constraint of the secution Version Sample per Minutes Approved Per Serial Number Image: Constraint of the secution Name
Information Raw Material Inspection / Pieces Master Data Release Rule Execution Sample All Image: Sample All Version Sample per Minutes Approved Image: Approved Per Serial Number Image: Date Image: Date Image: Date Input All Name manager
Master Data Release Rule Execution Sample All Image: Constraint of the secution Version Sample per Minutes Approved Per Serial Number Image: Constraint of the secution Date Input All Name manager
Sample All Warehouse unit Version Sample per Minutes Approved Per Serial Number Date Date Input All Name manager
Sample per Minutes Approved Per Serial Number Date Date Input All Name manager
Per Serial Number Date Input All Name manager
Input Al Vame manager
Picture 👌 bmp\Scales.png 🔻 Valid from 💌
Color Valid to 🗸

The sample is set to automatic release. The QC order is released manually, and the four eyes principle is also applied on the QC order by using the electronic signature option.

Master Data	Release	Rule	Execution	
Sample				
Release		Auto	matically	-
Electronic signature	1			
Valuation		Yes		•
OC and an				
QC order				
Release		Manu	ally only if OK	-
Release Electronic signature	1	Manu	ally only if OK	•
Release Electronic signature Valuation	1	Manu Ves	ally only if OK	•
Release Electronic signature Valuation Transfer / Batch Rel	ease	Manu Ves Mano	ially only if OK latory	• •

Two measurement positions are created.

QC) ins	pection p	olan QC_F	RAWMAT_PCS				
	Mas	ter Data	Measu	rement Position		Attachments	Do	cuments
#		Position	Position	Type of input	QC or	ler		Methodology
1		þ	1	Measurement	Temper	rature		Temperature in Celsius Degrees
2		2	2	Measurement	Humidi	ty		Humidity %

2. Link the inspection plan to the item master data of the purchase item in the Quality control tab.

em master data for RM_B_QC Master Data Bill of Materials Routing Configurator Quality control Priority Information Document type Inspection Plan Release Valid from Master Data Bill of Materials Routing Configurator Quality control Priority Information Document type Inspection Plan Release Valid from QC inspection plan RM_B_QC No. 252 Document type Goods receipt No. 252 Document type Goods receipt Information Conditior Measurement position Rule Picture Picture MonolformeLong	ry > lte	m Master Data							
Master Data Bill of Materials Routing Configurator Quality control Priority Information Document type Inspection Plan Release Valid from Master Data Bill of Materials Document type Inspection Plan Release Valid from Master Data Inspection Goods receipt Observe QC_RAWMAT_P Image: Conspection Plan Release Valid from QC inspection Inspection Image: Conspection Plan Release Valid from Image: Conspection Plan	ter data fo	or RM_B_QC							
Priority Information Document type Inspection Plan Release Valid from I Inspection Goods receipt Image: Construction Plan Release Valid from QC inspection plan RM_B_QC Image: Construction Plan Image: Construction Plan Image: Construction Plan QC inspection plan RM_B_QC Image: Construction Plan Image: Construction Plan Image: Construction Plan Image: Construction Plan QC inspection plan Image: Construction Plan Image: Construction Plan Image: Construction Plan Image: Construction Plan Information Condition Image: Condition Image: Condition Image: Condition Rule Info Inspection Image: Condition Image: Condition Image: Condition Measurement position Rule Picture Image: Condition Image: Condition	Data	Bill of Materials	Routing	Configurator	Quality contr	rol			
Image: Image	ority Info	rmation	Do	cument type		Ir	nspection Plan	Release	Valid from Valid to
QC inspection plan RM_B_QC No. 252 Document type Goods receipt QC inspection plan QC_RAWMAT_PCS QC inspection plan QC_RAWMAT_PCS Information Condition Rule Info Inspection QC Note	Insp	ection	Go	ods receipt		02 -	QC_RAWMAT_P	\checkmark	
Rule Info Inspection QC Note	nent type spection plar	252 Goods receip n ⇔ QC_RAWMA' Conditior	t T_PCS	•					
QC Note Measurement position Rule Picture Model Picture	nfo	Inspection							
Measurement position Rule Picture No box/formel.png	ote								
	rement posit	tion Rule			Picture	2	🗶 bmp\formel.png	-	
Color 0 🔻					Color		0	-	

3. Create a Goods Receipt PO for the item.

Г

od	s Receipt PO												
ndo	or		5001										
me		1	Supplier (01									
onta	ct Person					• 🗉							
ndo	or Ref. No.												
-													
Cu	irrency	•	EUR										
' Cu	Contents	•	EUR	Lo	aistics			Accounting			Attachments	1	
Item	Contents n/Service Type	•	EUR	Lo	gistics	Ť		Accounting	1		Attachments		
lterr	Contents n/Service Type Item No.	•	Item	Lo	gistics Ite	em Descrip	tion (Accounting Quantity		Unit Price	Attachments Price after Disc.,	Whse	UoM Name
Item #	Contents n/Service Type Item No. RM_B_QC	•	EUR	Lo	gistics Ite Rav	em Descrip w Material	otion (Accounting Quantity	10	Unit Price	Attachments Price after Disc	Whse	UoM Name Pcs

4. Allocate the batches for a batch item.

This can be done using the **next Batch** button, which assigns the next available batch.

	vs from Docu	uments						
	Doc. No.	Item Number	Item Description	Whse Cod	le Total Needed	Total (Created	
	PD 709	⇒ RM_B_QC	Raw Material / Batch	,⇔ 01	1	0		10
e	ated Batches							
	Batch				Qty	Bin L	breite	
	0075			Ì	10			
							-	Þ
	4							

The QC is created when the goods receipt is added, and it appears in the QC order list.

Pr	Production > Quality control > QC orders												
C	QC order												
	Document open	Documents	💦 Input per Sample	3 Input by test	Fa Transfer								
#	Documer	Docitype	QC - Order	Inspec	tion pl Created on	Item	Warehous	Quantity UoM Item Info	Info	Open	OK 🔺		
1	1467	Goods receipt	🖙 B:0075	්ත් ⇔ QC	C_RAW 07.03.19	⇒ RM_B_QC	01	10.00 Pcs	Raw Material Inspection / Pieces	1			
2	1466	Goods receipt	📫 1709/0	<u> ්</u> ත ⊂ ර	C_RAW 07.03.19	RM_QC	01	1.00 Pcs	Raw Material Inspection / Pieces	1			
3	1465	Manually	📫 U516	් _ත 🔿 Ins	spectio 07.03.19	📫 F16396	01	20.00 Pcs	Validate production quality.	1			

6.2. QC order created automatically when a time receipt is created

In this example, an inspection plan is set up for an operation. The QC orders are set to be created automatically at the time receipt.

1. Create an inspection plan as described in *Creating a QC inspection plan*.

Production > Quality Control > QC inspection plan

2. Edit the operation in a work order and link the QC inspection plan.

Production > Work Orders

Work Orders									
Work Orders	Work Orders List	Assembly							
Document	Sales Order	Date C	ustomer Name	From	То				
in 🐴 🕺 1224	WH000173	07.03.19		07.03.19	07.03.19				
10	FP001	Finished Product / No	07.03.19	07.03.19					
	A RM	Raw Material / Normal							
	RM_B	Raw Material / Batch							
	RM_S	Raw Material / Serial							
	R-01-1T.STD.08H	Internal Operation ST	Internal Operation STND001 - Standard (default Resource07.03.19 07.03.19						

Operation seq	uence	10			Descript	tion	<u>0</u>		Instructions	
Туре		operation			Interna	l Operat	ion STND001 - 9	Standard (default	Resource only)	- Setup
Operation		OP-IN.STD.00	01		D					
Resource		R-01-1T.STD.0	08H		D					
Active		\checkmark								
Clock Mandat	ory?	Closed								
General	Scheduling	Extended	Tool	Ut	ilities P	arallel	Alternative	Attachments	1	
		т	Time	Cost Elem	ent U	se factor	r		1.0000	
Setup time Precalculation		0.000		w	Work Steps			1.0000		
Setting up Capa	acity	5.000		Ic	Idle time				Hr.	
Processing		25.000		v 0	 Overlap limit 		None 🔻		Hr.	
					S	crap fact	tor			
					Q	C inspec	tion plan 🛛 🛋	>	-	3
Quantity per Ti	me	100.0	000							
Time Unit	М	linute	-							
Percurse alloca	tion		T							

3. Make sure that the Configuration Wizard settings are correct for the QC order creation during production.

Configuration Wizard > Quality control > Production

In this example, it is set to at Time receipt.



See Production for more details.

4. Create a time receipt for the operation either on the Terminal or manually, using the right-click menu.

<u> </u>	10	R-01-1T.STD.08H	Internal Operation STND001 - Stan
1223		WH000172	/ 🗙 🖾 🎧 🖃 📰 🖾
1222		WH000171	Coperation 10 Edit
1221		WH000170	Create Operation
1220		WH000169	Coperation 10 Delete
1219		WH000168	Create Time Receipt
1218		WH000167	O Create Time Receipt

The QC order is created, and it appears in the work order tree view and the QC order list.

10 R-01-1T.STD.08H	Internal Operation STND001 - Standard (default Resource
QC - Order: P1224/10/10, 07.03.19 Test	:1
🥜 Size	1.8 - 3.0 m
	-
👸 John John Doe	07.03.19

Q	QC order										
C	Cocument open	Documents	💰 Input per Sample	💰 Input by test	Fansfer						
#	Documen	Doc.type	QC - Order	Inspec	tion pl Created or	n Item					
1	1468	Production QC	P1224/10/1	0 ් _{ත්} ⇔ In:	spectio 07.03.19	FP001					
2	1467	Goods receipt	📫 B:0075	්ත ⇒ Q	C_RAW 07.03.19	RM_B_QC					
3	1466	Goods receipt	📫 1709/0	d <mark>≥ ⇒ Q</mark>	C_RAW 07.03.19	RM_QC					