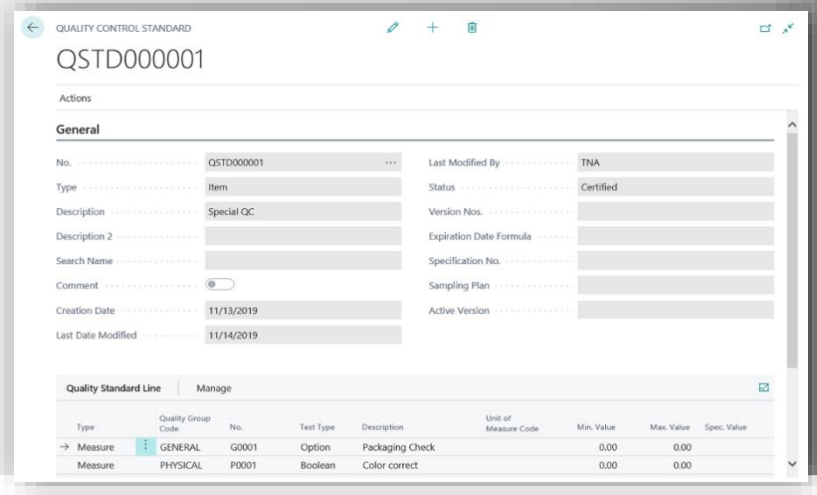


# Quality Control Pack Solution

NaviWorld Quality Control Pack for Business Central



## HIGHLIGHTS

- Tracking Quality Management throughout Supply Chain.
- User Ability to customize quality parameters.
- Simplify Lot management with Quality visibility.
- Product and In-Process Testing.

## FEATURES

- Test Device administration.
- Test Properties
- Test Type.
- Test Parameters.
- Process Oriented test.
- Test Orders.
- Test Accuracy Control.
- Generate COA

Globalization and the resulting internalization of markets have forced to companies to adjust the quality of their products and services continuously to the needs of their customers in order to remain competitive.

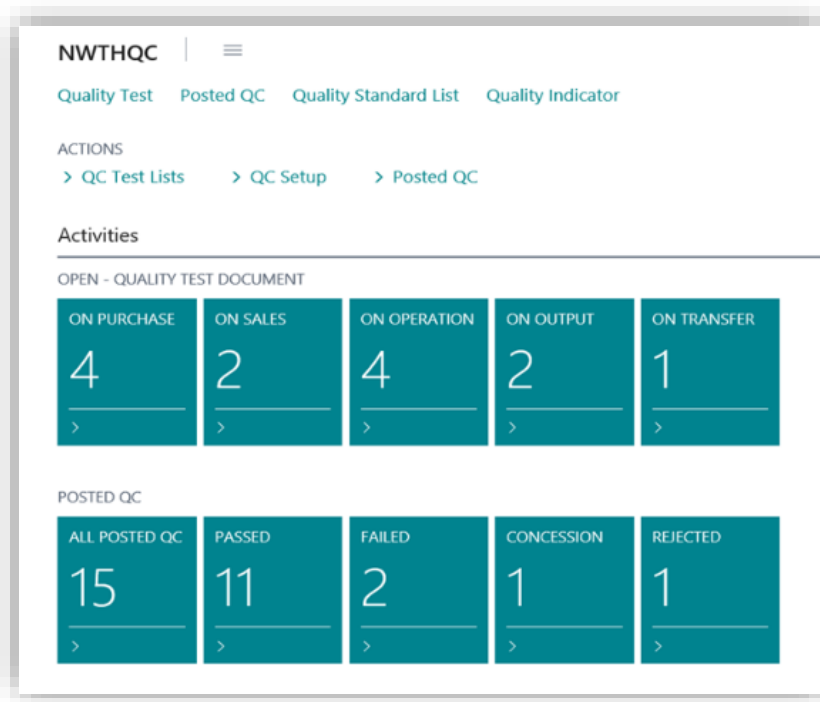
The Solution **NaviWorld**® Quality Management, built on Business Central, Manages all necessary tests, test devices, and test documentation – during purchase, production and final inspection.

Information about the quality of a product can be made available for all stages of the manufacturing process.

Quality Management and Quality Assurance are the gold standard for distribution and production companies to differentiate themselves in the market by meeting or exceeding customer expectations. If you cannot test and track your product quality from product receipt to production to distribution and then customer acceptance, then it did not happen. **NaviWorld**® Quality Management allows you to decide what, when and how you test and document.

The well-established testing feature is at the core of NaviWorld®

Quality Management. From incoming goods through manufacturing to shipping - the system follows the complete materials management every step of the way.



### Test Device Administration

Some specific decisions made for key quality processes require additional access rights setup. Depending on permission rules, the system allows or prevents changes to quality data or access to certain decisions.

## Quality Control Setup

QC Localization Extensions Version 15.0.0.0 W1

Develop by NaviWorld (Thailand) Co. Ltd., Request Support: Email: support@naviworld-asia.com, Tel: 086-316-8161

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### General

Quality control process, the user can control quality of products on each process.

Enable QC <input checked="" type="checkbox"/>	Enable QC on Purchase <input checked="" type="checkbox"/>
Enable QC on Item Journals <input checked="" type="checkbox"/>	Enable QC on Sales <input checked="" type="checkbox"/>
Enable QC on Operation <input checked="" type="checkbox"/>	Enable QC on Transfer Receive <input checked="" type="checkbox"/>
Enable QC on Output <input checked="" type="checkbox"/>	Enable QC on Transfer Shipme... <input checked="" type="checkbox"/>

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### Numbering

To setup no. series format for QC documents.

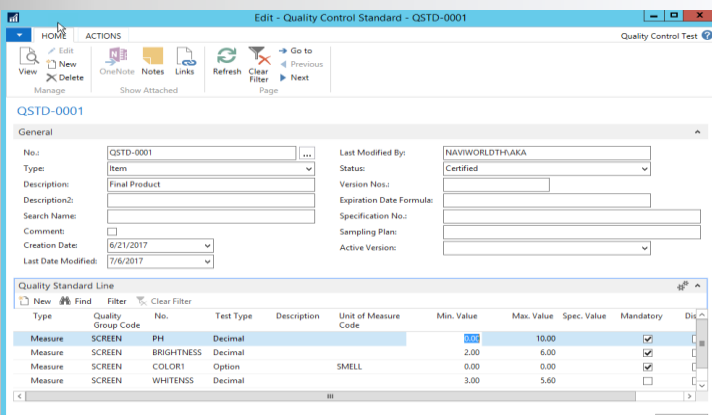
QC Standard Nos. <input type="text" value="QC-STD"/>	QC Test Nos. <input type="text" value="QC-TEST"/>
	Sample QC Nos. <input type="text" value="QC-SAMPLE"/>

## Test Properties

In Business Central, test properties will initially be used to create master template data to be the basis for the testing course.

Test properties describe the characteristics that will be tested for items or Lot. One or more test properties can be assigned to a test procedure, Expected or accepted ranges are setup for each test properties.

(See Figure:1)



## Process Oriented Tests

Whether for an incoming goods test, a final inspection test, or a shipping test, with NaviWorld Quality Management a variety of test plans can be created by automatically or manual as business need.

No.	Document Type	Item No.	Lot No.	Document Date	L. C.	Quantity (Base)	Source ID	Source Ref No.	Qty. QC Passed	Qty. QC Fail	Total Qty. QC Status
QC10010	Sales Shipment	TEST39	LOT0025	2/27/2017	G...	2.00	SCM/MAY...		0.00	0.00	0.00 Open
QC10011	Sales Shipment	TEST02	LOT0049	3/7/2017	G...	1.00	SO/FEB17...		0.00	0.00	0.00 Open
QC10012		TEST02	LOT0061	3/7/2017	G...	120.00	REL0019		0.00	0.00	0.00 Open
QC10013	Output	TEST02	LOT0061	3/7/2017	G...	120.00	REL0019		0.00	0.00	0.00 Open
QC10015	Sales Shipment	TEST02	LOT0065	3/7/2017	G...	120.00	SO/MAR17...		0.00	0.00	0.00 Open
QC10016	Sales Shipment	TEST02	LOT0066	3/7/2017	G...	10.00	SO/MAR17...		0.00	0.00	0.00 Open
QC10019	Sales Shipment	TEST02	LOT0065	3/14/2017	G...	5.00	SO/MAR17...		0.00	0.00	0.00 Open
QC10022	Output	SFG0001	1	3/16/2017	G...	1.00	REL0025		0.00	0.00	0.00 Open
QC10028	Output	TEST02	LOT0083	3/19/2017	G...	1,000.00	PO0058		0.00	0.00	0.00 Open
QC10029	Output	SFG0001	1	3/19/2017	G...	1.00	REL0025		0.00	0.00	0.00 Open
QC10030	Output	F00001	1	3/19/2017	G...	1.00	REL0036		0.00	0.00	0.00 Open
QC10031	Purchase Receipt	RM0002	2	3/19/2017	G...	1.00	PO0060		0.00	0.00	0.00 Open
QC10032	Transfer Receipt	RM0002	3	3/19/2017	G...	1.00	T-ORD-0013		0.00	0.00	0.00 Open

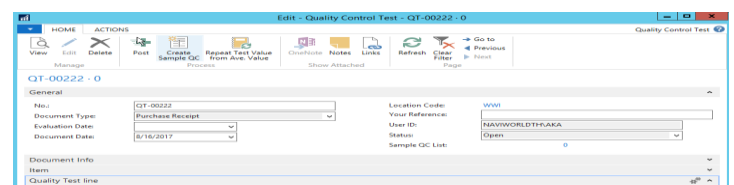
## Test Procedure

Test Procedure serve to combine the multiple properties and to differentiate between counting and measuring examinations.

Using test procedures, test properties can be combined into organized groups as such Physical Lab test, Microbiology test or General.

## Test Orders

Test Orders are the implementation of the test schedules that have been created from the neutral master data “test device”, “test properties” and “test procedures”. Test orders capture the results of a test and compare them to predefined nominal values should they exists. (See Figure:2)



## Lot - Controlling

Tightly manage lot tracking control built within NaviWorld Quality Management, controlled by Lot status “Open”, “Pass”, “Concession” and “Fail”.

Quality Test of product is based on a Lot, where a lot number is triggered to inspect a specific item.

Posting Date	No.	Document Type	Item No.	Lot No.	Quantity (Base)	Source ID	Source Ref No.	Qty. to QC	Qty. QC Passed	Qty. QC Fail	Total Qty. QC	Status
2/17/2017	QCT0001	PTC0001	LOT0042		6.00	T-ORD-0007		6.00	6.00	0.00	6.00	Pass
2/27/2017	QCT0008	FG0001	LOT0055		100.00	SO/FEB17/...		100.00	100.00	0.00	100.00	Pass
2/27/2017	QCT0006	FG0001	LOT0049		5.00	REL0017		5.00	5.00	0.00	5.00	Pass
3/7/2017	QCT0014	Output	FG0001	LOT0065	120.00	REL0019		120.00	120.00	0.00	120.00	Pass
3/16/2017	QCT0020	Output	SFG0001	17/027	100.00	REL0023		100.00	0.00	100.00	100.00	Concession
3/16/2017	QCT0021	Output	FG0001	17/027	100.00	REL0024		100.00	100.00	0.00	100.00	Pass
3/16/2017	QCT0023	Output	FG0001	1	1.00	REL0026		1.00	1.00	0.00	1.00	Pass
3/17/2017	QCT0024	Output	SFG0001	17/028	1.00	REL0028		1.00	0.00	1.00	1.00	Concession
3/17/2017	QCT0025	Output	FG0001	17/028	1.00	REL0029		1.00	1.00	0.00	1.00	Pass
3/17/2017	QCT0026	Output	SFG0001	17/029	2.00	REL0030		2.00	2.00	0.00	2.00	Pass
3/17/2017	QCT0027	Output	FG0001	17/029	2.00	REL0031		2.00	2.00	0.00	2.00	Pass
6/5/2017	QCT0022	Output	SFG0001	1	1.00	REL0025		1.00	0.00	1.00	1.00	Fail

When a test order is performed the results of the inspection are recorded for the test properties. The lot can be accepted as being within tolerance or can be rejected if the inspection finds that the results do not reach the prescribed specification (test plan) for a certain characteristic.

## Quality Test Archive Documents

To keep all Quality testing records based upon quality of product.

With the help of archived document, easy to apply vendor rating, track the quality of the product.

Posting Date	No.	Document Type	Item No.	Lot No.	Quantity (Base)	Source ID	Source Ref No.	Qty. Passed	Qty. Failed	Total Qty. QC	Status	User ID	Unit of Measure Code
6/21/2017	QF-0001	Purchase Receipt	70062	LOT0001	100.00	106028		100.00	0.00	100.00	Pass	NAVWORLDTH...	KS
6/21/2017	QF-0001	Purchase Receipt	70062	LOT0001	100.00	106028		100.00	0.00	100.00	Pass	NAVWORLDTH...	KS
6/21/2017	QF-0002	Purchase Receipt	70062	LOT0005	400.00	106032		300.00	0.00	400.00	Fail	NAVWORLDTH...	KS
6/21/2017	QF-0002	Purchase Receipt	70062	LOT0005	400.00	106032		300.00	0.00	400.00	Rejected	NAVWORLDTH...	KS
6/21/2017	QF-0003	Sales Shipment	70062	LOT0005-REG	100.00	1061		90.00	0.00	90.00	Pass	NAVWORLDTH...	KS
6/21/2017	QF-0004	Purchase Receipt	70063	LOT0006	200.00	106034		200.00	0.00	200.00	Pass	NAVWORLDTH...	KS
6/21/2017	QF-0004	Purchase Receipt	70063	LOT0006	200.00	106034		200.00	0.00	200.00	Pass	NAVWORLDTH...	KS
6/21/2017	QF-0005	Purchase Receipt	70063	LOT0007	100.00	106037		90.00	10.00	100.00	Pass	NAVWORLDTH...	KS
6/21/2017	QF-0005	Purchase Receipt	70063	LOT0007	100.00	106037		90.00	10.00	100.00	Fail	NAVWORLDTH...	KS
6/21/2017	QF-0006	Purchase Receipt	70063	LOT0008	100.00	106036		90.00	0.00	100.00	Rejected	NAVWORLDTH...	KS
6/21/2017	QF-0006	Purchase Receipt	70063	LOT0008	100.00	106036		90.00	0.00	100.00	Pass	NAVWORLDTH...	KS
6/22/2017	QF-0007	Output	70064	LOT0009	10.00	101034		10.00	0.00	10.00	Pass	NAVWORLDTH...	KS
6/22/2017	QF-0008	Output	70064	LOT0010	10.00	101035		8.00	0.00	10.00	Pass	NAVWORLDTH...	KS
6/22/2017	QF-0008	Output	70064	LOT0010	10.00	101035		8.00	0.00	10.00	Rejected	NAVWORLDTH...	KS
6/22/2017	QF-0009	Output	70065	LOT0012	10.00	101036		10.00	0.00	10.00	Pass	NAVWORLDTH...	KS
6/22/2017	QF-0009	Output	70065	LOT0012	10.00	101036		10.00	0.00	10.00	Pass	NAVWORLDTH...	KS
6/22/2017	QF-0010	Output	70065	LOT0013	10.00	101037		8.00	0.00	10.00	Pass	NAVWORLDTH...	KS
6/22/2017	QF-0010	Output	70065	LOT0013	10.00	101037		8.00	0.00	10.00	Rejected	NAVWORLDTH...	KS

## Certificate of Analysis

A certificate of Analysis can be generated after the test is certified. When lot items are shipped, it's possible to print a Certificate of Analysis for that specific LOT Number.

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