

B2B Quality Control Add-on for Microsoft Dynamics NAV & AX



INTRODUCTION:

B2B Quality Control Add On is developed for Microsoft NAV Version 3.7 / 4.0 / 5.0 & AX 4.0 – an Integrated Business Solution, to meet the needs for Quality control on purchase (In bound) and work in progress (WIP) and support statistical analysis of industrial processes and other industries.

B2B Quality Control Add-on for Microsoft Dynamics NAV & AX fits the requirement of industries like pharmaceuticals, Food & beverages, Chemicals, Fertilizers, Paints, leather manufacturing, Retail, Luxury & Fashion etc. The solution is flexible enough to provide you fitment for any industry that requires stringent quality assurance.

B2B Quality Control for Microsoft Dynamics NAV & AX attends to two important functionalities of a Quality control department :

In Bound QC : It provides you an interface to create Specifications, Sampling plans. Inspection Data Sheets are generated automatically based on the Specifications and Sampling Size and Inspection Reports are generated automatically with details of Accepted Quantity and Rejected Quantity etc. This module is integrated with the existing Purchase module and the inventory management.

WIP Quality Control : It provides you an interface to define Characteristics, Inspection Groups, create Specifications, and Sampling plans for any defined production process output sub assembly (as defined by the routing in quality). Inspection Data Sheets are generated from the Production Order line, based on the Specifications and Sampling Size assigned to the defined item whether it is a finished Item or Sub Assembly. Inspection Reports are generated

automatically with details of Accepted Quantity, Rejected Quantity, and Rework quantity etc.

This module is integrated with the existing Manufacturing module, Inventory management, and the Warehouse Management.

The system yields Statistical Analysis of the data collected, and draws inferences, which helps you in controlling process for better productivity, Study of Process Capabilities etc.

The system generates several graphs to help you make a detailed Statistical Analysis.

The Salient features include:

- Defining Characteristics.
- Defining Inspection Groups.
- Defining Specifications.
- Preparing Sampling Plans.
- Defining Sub Assemblies
- Creation of Inspection Data Sheets.
- Generation of Inspection Reports.
- Defining Intermediate output of production process as Sub Assembly.
- Tracking of Inspection Data Sheets, Inspection Reports from Purchase orders, Receipt Notes.
- Tracking of Inspection Data Sheets, Inspection Reports from Production Order lines.
- Vendor Rating (quality)

PROCESS BENEFITS

- You get of real time information on Inventory & production output
- You have better control on the process
- You derive improved customer satisfaction

DEFINING INSPECTION GROUPS:

The different types of testing departments are defined as Inspection Groups in the QC application. These Inspection Groups are defined to segregate the testing departments of Characteristics for acceptance or rejection of the production process output. You can define unlimited Inspection Groups in the system.

Example: Organic lab, Inorganic lab, Mechanical Testing lab

DEFINING SAMPLING PLAN:

The sampling plans used in QC application helps you define the amount of sample to be drawn for specific production output / Purchase consignment size. These samples to be drawn will be defined at the item/Sub assembly and item characteristics level. Sampling plans can be defined as per the industrial standards.

DEFINING SPECIFICATIONS:

You can define the Specifications by grouping the required inspecting characteristics of an Item and Sub Assembly. Here in the definition of Specification itself the Characteristics, Sampling plan, and Inspection Group will be interlinked together to define a Specification. You can define unlimited Specifications in the system.

DEFINING INTERMEDIATE OUTPUT AS AN SUB ASSEMBLY:

The user can define Sub-Assembly as a substance produced in an operation, which is a part of the total process before obtaining the finished product. The defined Sub-Assembly can be defined in the routing and specification as an output of a routing operation. The last operation of the routing will have a prior quality

acceptance check before posting the operational output into the Inventory from output journal.

INSPECTION DATA SHEET / REPORT:

It helps you capture details of Production Orders and their production lines/Purchase receipts. Inspection Datasheets are created based on the number of Inspection Groups in the Specification. Numbers of lines in the inspection data sheets are generated automatically based on the Sample size to capture the inspection results in the Inspection Datasheets.

Inspection Reports are also generated automatically based on the inspection results.

QUALITY VENDOR RATING:

Quality Vendor rating is the rating of Vendor, which can be compared to analyse between all vendors at Item level. This means combination of Vendor-Item is evaluated. There can be many factors to evaluate vendor rating, but the focus in the quality module is to evaluate the vendor with quality related activities.

INSPECTION RECEIPT:

Inspection receipt will be created automatically. In the inspection receipt the consolidated results of Quantity Accepted, Quantity Accepted Under Deviation, Quantity Under Rework, and Quantity Rejected can be entered and posted. Inspection can be done for the rework quantity for "In bound" as well as In process.

TECHNICAL SPECIFICATIONS:

Microsoft NAV 3.70/ 4.0 / 5.0 & AX 4.0

SQL Server 2005

Navision native Database



Microsoft Dynamics
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2008



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