Quality Control of your Products in Dynamics365 for Operations With Total Quality Control Management



erpsolutions.biz A puzzle isn't right if the last piece doesn't fit

You buy, make, and sell your products in Dynamics 365. Consider the advantages of an advanced Quality Management Solution built right within Dynamics 365.



TQCM is the answer

TQCM is not a separate software solution. It operates right within Microsoft Dynamics 365 making quality control a solution within ERP, not a bolt-on. This means that sampling plans, inspections, and CAPA are part of the ERP process as is manufacturing. TQCM is a module within Dynamics 365 and operates in the same database and instance. And it is developed with the same tool set that Microsoft uses. Since it's a Dynamics 365 operations module, TQCM inherits the core features of Dynamics 365 including user setup, security, report writers, and same interface. You'll come up to speed quicker with our integrated solution and more importantly, you'll implement at a much lower cost.

Key Capabilities

Sampling Plans to Worldwide Standards

TQCM for Dynamics 365 supports ANSI Z1.4, ISO 2859-1, and NIST Series 6

CAPA/NCR

TQCM supports both ISO and 8D Corrective and Preventative Actions. Along with Nonconformance Reports that can be automatically generated from inspections, ISO audits, and customer complaints.

Instrument and Tool Calibration Table

Automatic scheduling for preventative maintenance and calibration of instruments by date and use requirements.

Integrated Auditing

Department and process audits are easily setup by facility and can be scheduled to automatically create planned audits with advanced notifications. Audit plans and audit steps are stored in the audit table and feature integration to nonconformance and corrective actions.

Customer Complaints

Customer complaints is a full featured solution including call-in-scripts to assist customer service. Including complaint rational with investigations and escalation to nonconforming conditions and CAPA. Seamless integration to customers and return orders.

erpsolutions.biz It's Dynamics 365 for Operations

TQCM is designed specifically for Dynamics 365. We use the same standards and the same development tools as Microsoft. So, it's the same interface.

And since it's the same interface as your other Dynamics 365 modules, your users will find it is easy to learn, easy to use.

A solution you already know

Integration is a term loosely used to imply compatibility. But through the Dynamics 365 Framework integration for TQCM means it's an integral module right within Dynamics 365. There is no data to translate or to pass between TQCM and Dynamics 365. It installs within Dynamics 365 and embedded into the Dynamics 365 Application Object set, just like other modules in Dynamics 365.

Train Users Faster

Dynamics 365 users will learn TQCM quickly. That's because the user interface conforms to the high standards of Microsoft for Dynamics 365. TQCM is the same familiar interface your users are accustomed to. It uses the same ribbon, action and menu panes found in Dynamics 365 and Microsoft Office. Users come up to speed faster meaning you save money and reduce the time required for implementation.

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It's your same Business Partner

Since TQCM is sold through a worldwide network of Microsoft Business Partners, you benefit from your partner's expertise that implemented and supported your Dynamics 365 ERP System. ERP Solutions delivers world class solutions through partners that already know your business requirements. Our application design assures consistency for your users. And our mutual partner, who already supports you, guarantees your company continuity in services.

erpsolutions.biz Total Quality Control

TQCM provides a comprehensive approach to quality management through its imbedded architecture within Dynamics 365. You benefit from a wide range of functionality for quality control while drawing on the rich features of Dynamics 365.

Quality starts with a plan and TQCM insures that the plan is followed from purchase of raw materials and throughout the production process to delivery.



Inspections

Inspections are performed in journals. And you can create plans from standards such as ANSI, ISO, or NIST. The inspection journal displays the information and as the results are entered the inspector is immediately notified if the actual information is in conformance. The lines in the grid can be color coded to make it more apparent to the operator if an observation is nonconforming. Inspection plans incorporate properties so more than one plan can hit a single item. And the plans are intelligent to know what vendors, operations, or customers require inspection. And when ANSI, ISO, or NIST are invoked, TQCM uses a method to qualify vendors for incoming inspections, operations for in process inspections, and customers for outgoing inspections.

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Additional Inspection Features

Document attachments for supporting materials.

Escalate a failed inspection to a nonconformance report.

e-signature approvals with optional CFR Part 11 compliance.

Automatic scrapping for destructive tests.

One click inspection reports and variable control charts.

Linking of appropriate instruments to observation lines with notifications of stopped instruments, or in calibration, and Risk Instrument Notifications.

ANSI Z1.4, ISO 2859-1, NIST Series 6, plus modified versions and complete user defined plans.

Nonconformance material and processes

Nonconformance reports can be automatically generated from inspection processes and other areas of Dynamics 365. When created from inspections, the NCR inherits the information of the inspection results including defect codes. This provides the NCR administrator a complete snapshot of the nonconforming condition.

The NCR List Page provides a summary of all nonconformance reports. NCR's can be created from inspections, complaints, customers and vendors, return material, and department audits.

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The NCR process is where you disposition material. An NCR can be escalated to a corrective action or emailed to a supplier. User defined workflow can be used for e-signatures to sign off and close the NCR upon completion.

Nonconformance reports

The nonconformance process automatically generates nonconformance issues to the appropriate personnel for disposition and closure. These can be quickly generated from a process such as inspections or an audit. It provides the workplace with easy to use tools for personnel to properly disposition the material and issue.

Additional Features

Task assignments for the NCR administrator to bring other personnel into the workflow for assistance when needed.

Disposition codes to disposition materials.

Escalation to a corrective action directly from the NCR Form.

User defined workflow with *e-signatures* (optional CFR part 11 *e-signatures* available) for completing and closure of an NCR.

Integration to inspections, customer complaints, auditing, shop floor, and other areas.

Email notifications and alerts.

erpsolutions.biz The CAPA process

Corrective and preventative actions are the method for continuous improvement of quality management. Through a comprehensive integrated solution; TQCM documents the entire process to resolve the issues with the appropriate corrective measures. The CAPA process can be configured to use a more simplistic ISO compliant format, or, the more comprehensive 8D (Disciplines) CAPA process. Powerful and flexible to meet your processes.

Corrective and preventative actions

The List Page provides an overview of all corrective and preventative actions. CAPA's can be assigned to specific personnel to manage the overall objectives. Team members can be brought into the process and through standard D365 workflow or through *CAPA Tasks*, and assignments can be generated for assistance from other employees. The process provides direct integration to other areas of D365 meaning you have a single workplace to complete the objectives with quick access to other areas with a single mouse click.

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Additional Features

Document attachments for supporting materials.

Full 8D (Disciplines) or simplified CAPA process.

Standard CAPA report and 8D report.

Department actions and research area.

Generate Engineering Changes Orders.

Integration to other areas of Dynamics 365 including complaints, vendors, customers, production, etc.

User defined workflow with *e-signatures* (optional CFR part 11 *e-signatures* available) for completing and closure of a CAPA.

erpsolutions.biz Customer complaints matter

Often customers can be won or lost when they experience a problem with your product. And more directly, how you handle them when a problem occurs. Statistics show that the vast majority of customers will give you a second chance if you handle their complaint successfully and in a timely manner.

Customer Complaints

Customer Complaints is a standard module within the TQCM suite. It provides rich and deep functionality into other areas of Dynamics 365 and provides a central work area to effectively manage your customer complaints.

It provides a complete tool set to manage returns, regulatory considerations, investigations, conclusions with metrics for analytical purposes, and e-signature approvals with distribution lists.

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Additional Features

Escalation to Nonconformance and/or CAPA.

Task assignments.

Call-Scripts and Investigation-Scripts. Scripts can be created to provide the user the ability to deliver user defined questions by complaint categories or product.

User defined workflow with *e-signatures* (optional CFR part 11 *e-signatures* available) for completing and closure of Complaints.

Managing instruments and tools

Instruments and gauges are easily managed through one central workplace. TQCM lets you know through an Icon when calibration is due, and you can easily configure a standard D365 alert to email you and provide you a task at your role center.

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Instrument calibration

The instrument calibration table provides central control for maintaining calibration schedules and historical records for each instrument. It provides automation in letting you know when an instrument requires calibration and is integrated to the inspection process. This will warn the inspector if the instrument has missed its calibration due date, or if a Risk Instrument Notification is open. This provides the option to an inspector to use an alternative instrument.

Additional Features

Record instrument certificates and attach an image.

Create Risk Instrument Notifications (RINs).

Complete transactional history table recording all transactions against each instrument including each time the instrument is used for an observation within an inspection and when calibrated.

Group instruments by vendor for external calibration scheduling.

Group instruments by type.

Automatic instrument stops when out for calibration.

Automatic creation of work orders upon instrument due date.

Managing your processes

Managing vendors or your own internal processes, the audit table provides a central workplace where department or process audits can be automatically created, based upon scheduled due dates by facility. You can also create *Impromptu* audits at any time.

With the audit table, you create your plans and audit steps. And since an audit is directly integrated to the nonconformance and CAPA process, audit checks that fail can automatically generate the next control measures in the quality process.

Steps within an audit that fail can be processed through the NCR process and dispositioned. Defect codes can be associated and is available for reporting including Pareto charts. Preventative measures can be put in place through the CAPA process to insure that the corrections are in place.

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TQCM auditing

The audit table can be setup to automatically schedule audits based upon a predefined schedule. You create your audit plans and your audit check list within the audit table. Each audit plan is integrated to the nonconformance and CAPA process, so any steps that fail within an audit, can automatically generate the next level of compliance in your quality process.

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Additional Features

Association of audit team members and roles.

e-signature approvals (optional CFR part 11 e-signatures available).

Creation of audit plans and audit steps.

Audit status.

Contact us

For more information contact your Microsoft Business partner or visit us at:



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