

# Manufacturing

## BENEFITS

**Improve your quality assurance of incoming raw materials.** Define quality assurance processes that fit precise product demands to refine and optimize testing of incoming raw materials. Flexible quality sampling, accurate tracking of destructive testing, and process revisions are easy to implement and administer—an advantage when quality counts.

**Collaborate more efficiently with supply chain partners.** Enable suppliers to respond quickly and effectively to your needs by providing them with fast, accurate information regarding quality assurance processes. Quality Assurance provides clear, concise reports to facilitate this collaboration across the supply chain.

**Manage your information better.** Leverage the results of your testing more effectively. Quality Assurance makes managing test results easy and fast. Flexible reporting enables you to define customized parameters for specific vendors and customers.

## Quality Assurance in Microsoft Dynamics GP

Seize the competitive advantage with tight control of the quality-testing process, helping to ensure that products consistently meet or exceed demanding customer requirements. Support high retention levels by providing customers with detailed, current information on quality assurance testing for the products being manufactured for them.

By enabling you to design tests to determine if incoming materials meet your manufacturing requirements, Quality Assurance in Microsoft Dynamics™ GP equips you to start with the quality of raw materials that you need and dramatically reduces manufacturing delays, rework, and scrap. Powerful support for the production of high quality products helps ensure that your products are better received, which reinforces customer satisfaction.

**ACCEPTABLE QUALITY LEVELS (AQLs)**

| LOT SIZE        | SAMPLE SIZE |        | SAMPLE SIZE |        | SAMPLE SIZE |        | SAMPLE SIZE |        |
|-----------------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|
|                 | ACCEPT      | REJECT | ACCEPT      | REJECT | ACCEPT      | REJECT | ACCEPT      | REJECT |
| 32 - 10,000     | 0           | 1      | 1           | 2      | 3           | 4      | 0           | 0      |
| 10,001 - 35,000 | 1           | 2      | 3           | 4      | 5           | 6      | 0           | 0      |
| 35,001 - 80,000 | 2           | 3      | 5           | 6      | 6           | 7      | 0           | 0      |
| 0 - 0           | 0           | 0      | 0           | 0      | 0           | 0      | 0           | 0      |

**QA Incoming**

Receipt Number: RCT1000  
Receipt Date: 4/18/2004

Item Number: WIRE MCD-0001  
QA Required From: 0/0/0000 To: 0/0/0000  
Quantity Received: 1,000.00 Foot

Quantity Passed: 0.00 Foot  
Quantity Failed: 0.00 Foot  
Quantity Destroyed: 0.00 Foot

Inspection Procedure: 001  
Procedure Name: Inspect length  
Revision Level: 1

Lot Number: 001  
Lot Quantity: 1,000.00 Foot  
Lot QTY Passed: 0.00 Foot  
Lot QTY Failed: 0.00 Foot  
Lot QTY Destroyed: 0.00 Foot

*DEFINE PARAMETERS precisely for more consistent results.*

*RECORD AND REPORT test results quickly, accurately, and in the form that specific vendors want.*

## FEATURES

## QUALITY ASSURANCE

|   |  |
|---|--|
| <b>Flexible Test Definition Information</b> | Define quality assurance procedures according to specific needs, from single-step measures to complex operations with multiple actions. All items can be designated for test or no test and users can define test sample sizes.  |
| <b>Controlled Quality Level Definition</b>  | Designate test specifications according to your specific needs, from quality levels to required sample sizes, using AQL tables.  |
| <b>Powerful Defect Management</b>           | Track, manage, and analyze defects that are the most common source of manufacturing and quality problems. Easily define disposition instructions to tell inspectors what to do when defective material is identified.  |
| <b>Destructive Testing Management</b>       | Quality tests can be set as Destructive to alert the system that the material tested is destroyed and unavailable for use in production.   |
| <b>Improved Access to Critical Data</b>     | Track and record detailed information about incoming material so that vital data—including lots, serial numbers, and purchase orders—can be easily accessed and recalled.  |
| <b>Detailed Reporting of Test Results</b>   | Report test results to meet your business needs. Create reports summarizing defects discovered during inspection with the Non-Standard Report (NSR). Issue Supplier Corrective Action Requests (SCARs) to vendors to help ensure that they are aware of the problem, research its source or sources, and take action to prevent recurrences. |

For more information about Quality Assurance in Microsoft Dynamics GP, visit [www.microsoft.com/dynamics/gp](http://www.microsoft.com/dynamics/gp).