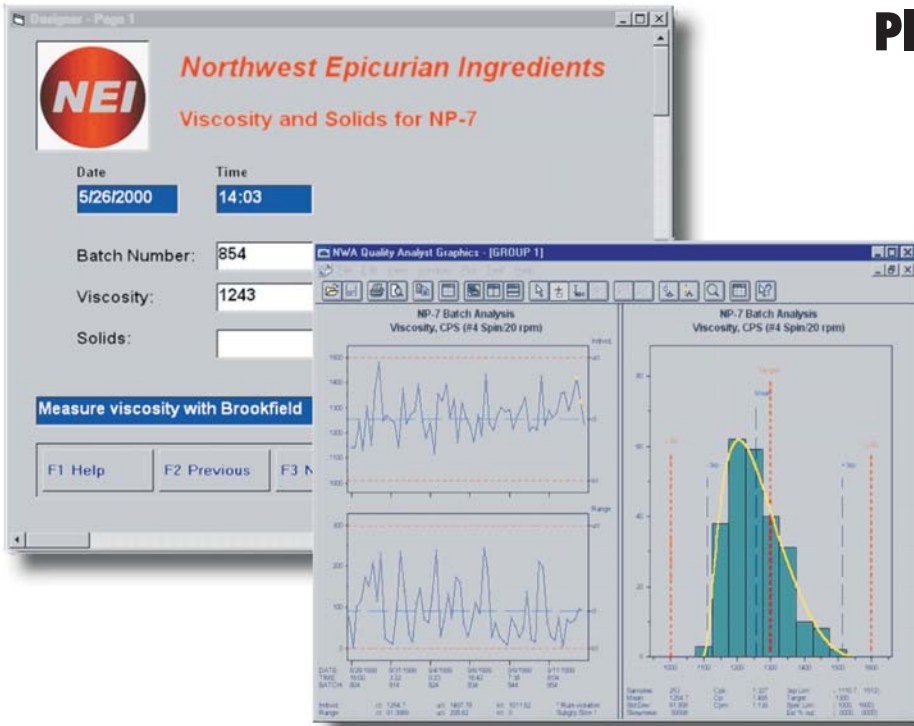# NWA Quality Monitor®

## Plant Floor Data Collection

- **Complete SPC Charting and Analysis**
- **Automated Data Acquisition and Alarming**
- **Easy Interface to Bar Code and Measurement Devices**
- **Integrates with Manufacturing Data Systems**
- **Full Screen Visual Designer**
- **Wizard-based Configuration**
- **Reads From and Writes to External Databases**

## Product Overview

NWA Quality Monitor® gives manufacturing plants and laboratories a single, unified data collection solution for quality assurance/quality control (QA/QC) test stations, in either stand-alone or networked systems. It is used by world-class manufacturers and laboratories to improve the accuracy and efficiency of data collection and to more closely monitor processes in order to quickly identify and diagnose potential problems before they happen. Quality Monitor automates the collection of test station data, standardizes testing and data collection workflow procedures, and provides real-time product quality feedback throughout the operation. Combined, these capabilities help companies manage and improve their manufacturing and laboratory processes, improve quality, and reduce costs.

## Uniform Solution

With NWA Quality Monitor, all plant floor workstations use the same core software with task-specific configurations for each application.

Operator interface and chart formats can be standardized. The context sensitive, on-line help system can support your standard operating procedures and simplify meeting quality-assurance and vendor-certification-program requirements. The result is a uniform system with shared, common procedures throughout your facility or company.

## Cost-Effective

NWA Quality Monitor is cost-effective in implementations ranging from a single-user workstation to integrating with plantwide information systems.

Inexpensive to implement and support, it can be installed and configured by you and your existing staff. NWA Quality Monitor virtually eliminates manual recording, transcribing, and charting of data, freeing your quality-control staff for more productive work.

Because NWA Quality Monitor collects data from all standard measurement and interface devices, you avoid the costly duplication of training, management, and support procedures that result from using different software for each device.

*NWA Quality Monitor is used by world-class manufacturers and laboratories to improve the accuracy and efficiency of data collection and to more closely monitor processes in order to quickly identify and diagnose potential problems before they happen.*

## NWA Quality Monitor Designer



### Easy to Set Up

NWA Quality Monitor® combines a full-screen visual designer with wizard-based setup tools to provide a configuration environment that is both easy to use and capable of meeting the most demanding data collection requirements.

Customized data entry screens are built using a familiar drag-and-drop, point-and-click interface. You can select from a variety of pre-configured templates or create complete User Interface designs from scratch.

### Easy to Use

NWA Quality Monitor's flexible design capabilities allow you to match the user-interface to both the requirements of the item being tested and the user's capabilities. Data collection and analysis can be standardized to match your SOPs and customer requirements.

Design features include:

- Fully definable full-screen user interface
- Point-and-click or function-key operation
- On-line context-sensitive help
- Built-in calculations and look-up tables
- Visual and audible alarms for out-of-specification and control conditions
- Automatic or one-click SPC charting
- Validity checking for keyboard and device input

### Easy to Integrate

NWA Quality Monitor is designed to be the plant-floor test station component of your manufacturing or process information system.

Integration features include:

- Direct data connection to any ODBC-compliant database
- Local and distributed alarming

## Plant Floor Quality Data Collection

## Quality Data Management, Analysis and Reporting
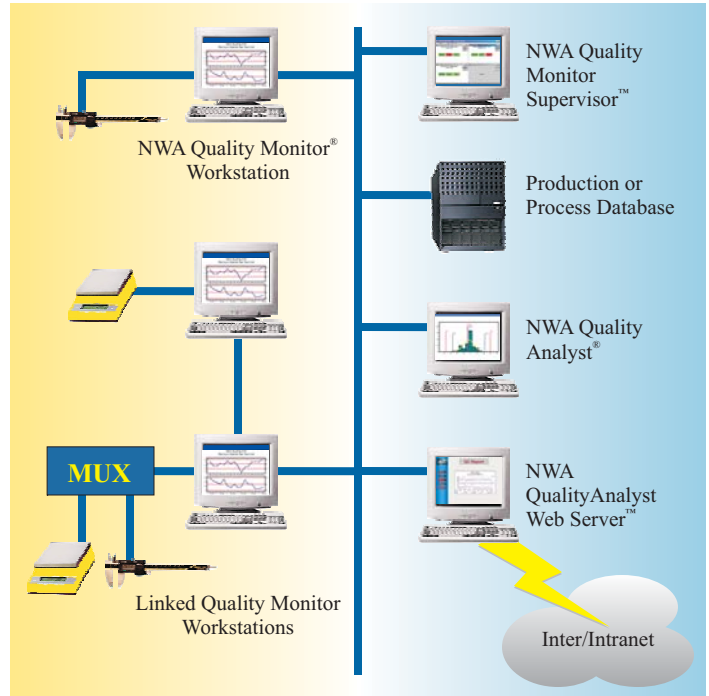


- Interfaces with the most popular MES, CIM, ERP, and LIMS systems
- Automatic recovery from network failure
- Easily shares data with NWA's family suite of analysis and reporting products

### Easy to Interface

Interfacing measurement devices to PCs can be one of the most difficult parts of setting up plant-floor data collection. NWA Quality Monitor comes with an extensive list of preconfigured device interfaces, including most electronic scales, gages, and multiplexers, and a wide range of specialized devices.

Adding device input to an NWA Quality Monitor data-entry screen is usually done with a few mouse clicks. In addition, device and port configuration tools provide for easy creation of new device interfaces and solving communication problems.

### System Requirements

- Windows* 95, 98, Me, NT4, 2000, XP, or Server 2003
- Any PC-based LAN (NT, Novell, etc.)

Recommended minimum systems:

- Quality Monitor Designer:
  266 MHz Pentium
  32 MB RAM
- Quality Monitor Plant-floor Workstations:
  120 MHz Pentium
  16 MB RAM

**Note:** Slower systems may be used for plant-floor workstations, depending on size and complexity of data input screens.