



FAQ's

Q. Who is Freedom Technologies?

A. Freedom Technologies is a complete factory floor solution provider, who offers error proofing and labeling expertise along with meeting traceability guidelines of automotive, medical, military and manufacturers in other industries. Since 1991, companies have been seamlessly integrating Freedom Technologies' Error Proof® software with their new or existing shop floor devices.

Q. Is Freedom considered a QAD Solution Partner?

A. Freedom Technologies' has been a QAD Solution Partner since 1998 offering QAD customers the ability to extend their shop floor operations.

Q. What are Freedom's "Error Proof®" applications?

A. Freedom Technologies' Error Proof® software applications offer integration from the "shop floor to the top floor," through its Error Proof® Manufacturing Execution System. Error Proof® is an advanced, highly scalable MES tightly integrated with QAD and supporting companies of all sizes. Error Proof provides shop-floor personnel, supervisors and production management with manufacturing operations visibility through easy-to-use handheld, browser or touch screens to measure productivity, KPI's, track and trace, pull up documents at workstations, and collect data from PLC, scales, test equipment and more.

Q. Does Error Proof® perform simple data collection for QAD, PO Receipt, Transfers, etc?

Error Proof® can be implemented in various degrees from uncomplicated PO Receipt, Transfers, WIP tracking, etc., to a QAD integrated MES solution throughout a plant floor.

Q. How does Error Proof® interface to QAD?

For validation, Error Proof® uses the Progress SQL engine to query the QAD database. The queried data may be used directly in validation, or alternatively, it may be stored in a local SQL Server database which is queried for validation. This allows validation to be performed even when QAD is not available. Transactions are stored in a local SQL Server database and can be submitted to QAD immediately, on a batch basis, or on a repetitive scheduled basis. No modifications to QAD source code are required and custom transaction screens are supported through use of Error Proof's update mapping tool.

Q. Can Error Proof® be configured to meet my plant floor naming conventions and nomenclature?

A. Standard with Error Proof® is a Toolset which provides the flexibility to change the "look and feel" of handheld screens, as well as touch screens, and their associated prompts. Prompts may be re-named to match unique operational naming conventions. The Toolset also allows you to enable or disable prompts; auto-populate key default info (site number, quantity, etc.) and make it mandatory to scan required data before advancing to the next prompt. This feature allows for foreign language support as well.

Q. What type of verification & validation functions does Error Proof® perform?

A. Error Proof® detects and responds to many error conditions. Typical validation & verification functions ensure that:

- The right parts are used
- The parts are installed in the right order
- The right part/container label is applied



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- The correct parts in the correct quantities in the correct container with the correct label

Q. What information can Error Proof® capture from my QAD manufacturing process?

A. Error Proof® captures a wealth of information from both manual entry into QAD and automated data sources. Error Proof® provides:

- Production tracking/Test data capture
- Track part component genealogies (serial and lot traceability tied to each part)
- Produce serialized part labels or direct part markings
- Count to container verification and Earn-a-Label™ for shipping
- Real-time access to information
- Ability to achieve data accuracy, inventory accuracy, labor cost and efficiency goals

Q. Can Error Proof® fulfill the labeling requirements for my QAD receiving, production & shipping areas?

A. Error Proof® contains a rich set of label printing capabilities and can be configured to produce labels at any point within the production process. Design any type of label with Error Proof® standard Label Designer. The labels can be used for:

- Individual part tracking
- Part counting
- Part identification
- Container labeling
- Shipping verification

Q. Can Error Proof® track WIP by individual parts/containers?

A. Error Proof® tracks individual parts via part/container serialization coupled with strategic

barcode label printing. The serial number serves as a unique identifier for each part or container, and by scanning the serial number at strategic points during assembly WIP tracking and genealogy are achieved.

Q. What user interface options are available with Error Proof®

A. Telnet, Client/Server, or Browser – Same code is used for all versions, allowing full screen on PC and touch screens or Telnet on a handheld scanner. In addition, batch interface can be provided, if required.

Q. Can Error Proof® exchange information with systems other than my QAD solution?

A. Error Proof® uses Microsoft tools which simplifies data exchange with applications other than QAD.

Q. What type of devices can Error Proof® collect data from and transfer to QAD?

A. Current QAD/Error Proof® customers are collecting data from PLC's, vision systems, scales, CNC's, RF tags, RF handheld devices, touchscreens, printers, records, files, buffers, display and paging systems. An interface for common device types is included with Standard Error Proof®.

Q. What services does Freedom provide when implementing an Error Proof® system?

A. Freedom provides the following professional services:

- Requirements analysis
- Hardware configuration, procurement & setup
- Software installation & configuration
- Startup assistance & training
- Annual maintenance contracts