

ERROR PROOF®

MANUFACTURING EXECUTION SYSTEMS

IDENTIFY TRACK MANAGE

- 
- **Integration Interface**
 - **Mapping Transactions**
 - **Labor Distribution**
 - **Plan Daily Schedule**

EP Inventory Modules



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EP Inventory Modules

The **Error Proof® 7.0** Inventory Modules integrate with market-leading ERP and EDI systems. A specific interface module is required, for example EP QAD, for automated host interface to an external ERP or EDI system.

Inventory modules offer the following:

- Automated data collection of standard ERP or EDI transactions from devices running Error Proof (i.e., bar code middleware)
- Automates label data from host systems
- Enables mapping of EP-Base transactional data to host ERP/MRP/EDI system
- Provides a library of standard data collection business objects for your ERP transactions.

➤ **EP Device Support (1 Line)**

- Provides integration interface between Error Proof and Work Cell Devices. Supports bi-directional integration with PLC's, ASRS, scales, sensors, gages, carousels and CNC machines, enables communications with SCADA and process control systems, supports standard OPC interface over serial or Ethernet.

➤ **EP Ship Picking**

- Balances zone, primary pick and pick path picking strategies, daily schedules, plans/monitors warehouse resources, spotlights and tracks high priority orders, tracks picking status, allocates inventory with FIFO/FEFO rules, provides inventory discrepancy reports and warns of shortages via RF device and e-mail.

➤ **EP Honda**

- Provides for all specific Honda Labeling requirements including shipping label and Quick Receive Label as specified by Honda, certified to meet Honda specs, fully integrated to EDI and Host module.

➤ **EP Honda VC2 Sequence Module**

- Meets Honda, Sequencing Requirements

➤ **EP Outside Processing Subcontracted Shipping**

- Supports QAD Transaction for Subcontractor Shipping, QAD screens (18.22.5).

➤ **EP Labor Distribution**

- Records Shop floor labor, set up information, machine up/down time, event information for historical analysis, records work cell labor, indirect labor, logs multiple jobs, schedules labor for work cells, records lunch/breaks automatically, machine counts, records production, scrap, rework, and MRB disposition.
- Records downtime with reason codes, can feed to external Time and Attendance or Payroll systems.
- Allows reporting by start and stop times, track employee productivity, employee badge support.

➤ **EP Ship Verification**

- Allows for scan-to-verify functionality (verify to an order or release) and scan-to-ship (verify the staged part or container is on the order), stages and validates pallet and container shipments, tracks movement of individual pallets and containers, links shipment contents to container and pallets via a single bar code scan.
- Tracks serial and / or lot numbers, prints bar code labels for products locations racks pallets and serial numbers, prints conventional 1D and 2D bar code labels.
- Supports UPC/EAN, HIBCC and AIAG standards in multiple formats, collects data for XML messages and EDI ASN files, optional links to traffic and routing systems such as FedEx, UPS and DHL.

➤ **EP Unplanned Issues & Receipts**

- Supports unplanned material receipts/issues.

- **EP Backflush**
 - QAD specific backflush transactions for Backflush, QAD Screens: (18.22.13, 18.22.14, 18.22.16, 18.22.17, 18.22.18, 19 & 22).
 - **EP Work Order Picking**
 - Balances zone, primary pick, pick path and wave picking strategies, plans daily schedule, plans/monitors warehouse resource, spotlights/tracks high priority orders and tracks picking status.
 - **EP Work Order Standard**
 - QAD Work Order Transactions, QAD screens (16.10, 16.11, 16.12 ,16.6).
 - **EP Work Order Advanced**
 - QAD Advanced Work Order Transactions, QAD screens (17.1, 17.2, 17.3, 17.4).
 - **EP Transfers**
 - QAD Inventory Transactions, QAD screens (3.1, 3.2 & 3.3).
 - **EP Physical Inventory**
 - QAD Physical Inventory Transaction, QAD screens (4.11).
 - **EP Service Engineer Order**
 - Supports maintenance, repair and overhaul (MRO) orders, tracks labor, material/equipment usage, monitors consumption and provides reordering of perishable tools, up to the minute information.
 - **EP Return to Stock**
 - Supports return of production material from production to stock, supports return of shipped product to stock.
 - **EP Distribution Order Processing**
 - Distribution Resource Planning (DRP – find definition from QAD) for managing orders that must be fulfilled from multiple plants.
 - **EP Cycle Counting**
 - Provides inventory discrepancy, QAD cycle counting transaction, QAD screens (3.14).
 - **EP Receiving**
 - Provides on-line validation against purchase order or release details, prints bar code labels on demand for materials, containers and pallets, tracks receipt by item/container/pallet, prevents the issue of lots, containers/pallets in quarantine or on pallet hold.
 - **EP Receiving Skiplot**
 - Tracks and controls inspection sampling of inbound receipts, tracks receipt using disposition codes, transfers arriving material to/from inspection and quarantine.
 - **EP Receiving ASN**
 - Inbound receipts for supplier just-in-time (JIT), validates receipts against electronic ASN information, optional ASN receiving through 2D or 1D “quick receive” bar code scanning.
- * All Inventory Modules require EP Base Administrator +MT**