

IntegraProduction™

Real-time control for Manufacturing Operations

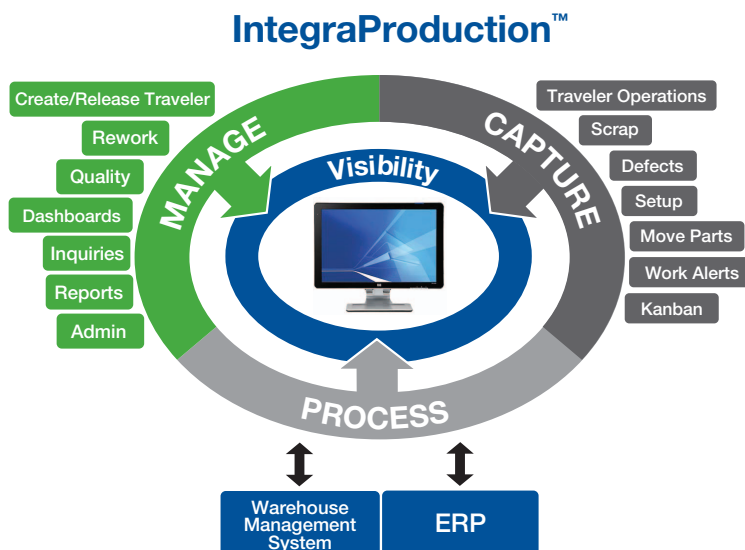


IntegraProduction™ is the tool production planners and managers use to enforce standard processes, optimize schedules, improve productivity and product quality, reduce costs and deliver on time.

Tight production control for higher profits and quality

IntegraProduction is a valuable tool for daily use by production control and management. It gives managers real insight through up-to-the-minute queries, KPI dashboards and business intelligence (BI) reports on the key factors that affect cost, productivity and quality. Production managers, dispatchers and line supervisors can take immediate action to:

- **Reduce costs.** Lower WIP inventory, rework, scrap and waste.
- **Improve product quality.** Enforce process standardization and spec/parts compliance. Identify and correct steps causing defects and rework.
- **Improve productivity.** Avoid delays, reduce rework, reduce scrap, identify bottlenecks and optimize work assignment.
- **Meet delivery schedules and improve customer satisfaction.** Know order status, re-sequence for best order fulfillment rates, respond and react quickly to changing priorities.
- **Business analysis and reporting.** Data to monitor, analyze and improve performance and quality.



IntegraProduction creates and dispatches work orders at work centers where workers see orders along with standardized work instructions and parts lists. Work orders are updated with data pertaining to parts consumption, steps performed, labor, alarms triggered and defects/rework so production can be tracked and analyzed.

IntegraProduction™ drives your manufacturing operations

- Up-to-the-minute production data and KPIs through queries, dashboards and on-demand reports. No waiting for batched weekly or monthly summaries.
- Better parts availability – the right parts in the right place at the right time – for faster throughput.
- Faster troubleshooting of bottlenecks, parts or labor shortages, or unforeseen issues.
- Better inventory accuracy so that less safety stock is needed.
- Full materials traceability with accurate as-built product genealogy and complete parts audit trail.
- Tighter enforcement of specified processes and parts usage.
- Integration with Kanban system for timely parts replenishment.
- Faster response times for customer requests and production issues.
- More predictable customer order fulfillment.

IntegraProduction Feature Highlights

- Real-time visibility, tracking and management of manufacturing orders through production.
- Electronic work order creation, specifying work center routing, work instructions, recipes, ECNs.
- Engineering Change Management through ECN control.
- Supports data collection from shop floor terminals, RFID or other devices and systems.
- Supports display devices, handheld computers, PCs, Epic Data's Multi-Purpose Terminal.
- Maintenance of audit trails, parent-child relationships, and genealogies of parts, sub-assemblies and products.
- Powerful reporting, business intelligence and analysis tools.
- Seamless integration with ERP and other corporate systems.
- Works in conjunction with: IntegraNet™ data management; IntegraTrak™ parts management; IntegraTLC™ real-time T&L costing.

Powerful Insight and Control in Production

IntegraProduction gives production managers and line supervisors powerful tools and information with which to control productivity, reduce costs, and ensure the highest product quality is achieved through process standardization and continuous improvement. IntegraProduction capabilities include:

- **Dispatch and Work Order Creation** – Production planners have real-time information at their fingertips that allows them to prioritize manufacturing orders and optimize capacity utilization. With quick access to work order instructions and BOMs, dispatchers can easily ensure product compliance and process standardization when releasing orders to production. Dispatchers can check up-to-the-minute parts availability, labor or other resource availability and alerts to avoid delays, optimize work center assignment, or change work center routing sequence. When production planning and scheduling is complete, dispatchers can easily create electronic work orders specifying the order's work center routing, work instructions, recipes, and parts lists. Parts requests are issued to synchronize their movement with production requirements.
- **Directed Workflow and Work Order Data Collection** – The electronic work order are updated with the appropriate data at each work center such as: parts consumption, quantity, quality measurements, labor, steps performed, step times, alarms and rework. This enforces adherence to process instructions and sequence, enhancing product quality and reducing rework. Non-conforming events will trigger alarms. Workers can issue Kanban low or high events to minimize WIP inventory. The work order also collects data on defects, rework and scrap within an operation for immediate remediation and continuous quality improvement efforts.
- **Production Management** – IntegraProduction's display screens and dashboards provide production managers clear insight into what is happening at all times in production; it gives them control to improve workflow, productivity and quality. Production Managers can:
 - React immediately to event alarms that cause delays or rework.
 - Identify bottlenecks by analyzing queue length at work centers and re-assign or re-prioritize work orders.
 - Identify impending parts shortages and quickly locate parts to minimize delays.
 - Identify steps producing the most scrap or rework, and take measures to reduce waste.
 - Reduce WIP inventory costs through reduced queues, waste, delays and reaction response times.

The Epic Data Integra™ Suite

Solutions offer Insight and Control for Manufacturing Operations

IntegraProduction is part of Epic Data's manufacturing operations management solutions to help monitor and manage production execution in real-time. Other Integra Suite applications:

- **IntegraTrak™** tracks parts movement to avoid delays and reduce inventory requirements.
- **IntegraTLC™** tracks workforce labor to optimize productivity and streamline job costing.
- **IntegraNet™** captures shop floor data and delivers it real-time to other manufacturing applications.

Used individually or in combination, Epic Data Integra solutions result in:

- **Higher productivity and throughput.** Fewer parts shortages, less downtime while locating parts and people, and ease of re-assignment to respond to changes in demand or supply.
- **Higher margins.** Lower inventory costs, higher efficiency, less waste.
- **Better quality.** Process standardization, parts compliance, and production data for continuous improvement efforts.
- **Responsiveness.** Real-time data available to respond to change-orders, customer orders and supplier issues.
- **Better corporate information.** Accurate integrated data for ERP, performance reporting, job-costing, and payroll.
- **Accurate traceability.** Comprehensive support for parts audit trails and product genealogy.

Call or email Epic Data to discuss how
Integra™ solutions for manufacturing will give you insight to improve productivity and quality.

ABOUT EPIC DATA

Epic Data is a trusted provider of Manufacturing Operations and Warehouse Management Solutions to the world's most progressive discrete manufacturers. We focus on knowing what is important to our customers and delivering solutions that last, resulting in relationships that have spanned over three decades.

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