



2020 Insight

Shop Floor Execution

The shop floor is the hub of your organization, and is at the heart of meeting customer expectations in an increasingly competitive global market. 2020 Insight provides the control you need to monitor and optimize your factory's performance, measure shop floor efficiency, rapidly respond to issues and gain visibility into processes from order to delivery.

The 2020 Insight Shop Floor Execution module streamlines your production workflow by coordinating activities and materials, delivering relevant manufacturing information where it's needed, providing real-time status updates to your internal organization as well as your customers and providing opportunities for you to make decisions at every step of the way—making it easy to improve your customer experience.

Browser-based functionality provides ready access to shop floor functionality with an easy-to-use, visual interface that you can access from any browser-enabled device. Adaptive design that accommodates varied screen sizes, camera support for standard and 2D barcode reading and animated charts result in simplified usability and data at your fingertips.

Benefits

Schedule production orders and work orders with visibility of order dates, factory processes, shipping schedule and more

Support efficiency methods such as LEAN, Demand-Pull and Synchronous Flow

Increase productivity by delivering manufacturing instructions and machine data for all products, including custom products

Respond quickly to rework orders at any stage, directly from the shop floor

Improve visibility and control with real-time data collection

Reduce direct labor costs by coordinating and optimizing production activities, improving product quality and accurately tracking rework

Define workflows and business rules that best match your organization's environment, manufacturing principles and constraints

Browser-based shop floor enables real-time access from anywhere, at any time

Wherever you are, at any moment, get a 360° view of production activity on any browser-enabled device. 2020 Insight streamlines your factory, shipping and installation processes according to your business rules and delivers the correct information to operators and machines in real-time. Generate routings, worklists, labels and tickets to move products through your factory and gain instant visibility to production status and deviations as they occur.

Core

Enforce user-defined business processes, including custom business logic, machine routings, notifications and automated printing, while enabling the ability to plan, initiate and monitor production work orders and respond to rework in real-time. The browser-based shop floor core provides return material authorization (RMA) processing from order entry or returned goods receipt to disposition repair or replacement. Users can scan and track production progress via barcode, RFID or manual input—including optional employee sign in.

Optimize your operations while providing real-time updates to management and customer service while also providing in-the-moment information to operators, including bills of material, material availability, work instructions, routing details, part/product images and CNC programs.

CNC Machine Control

Scan barcodes and post required programs to machines on demand using a “push” method to download programs to the machine in a desired sequence. CNC machine control is fully integrated into the system workflow engine for automated status updates and label printing.

Container Packaging & Organization

Prepare for final shipment by organizing work orders into packages and creating bundles of products. Create new boxes, pallets and/or skids on the fly and add last minute packages with on-demand package creation.

Scanning & Tracking

Track production progress and completed operations using RFID, barcode, QR code or keyboard for up-to-the-minute status updates. Customizable screens guide users to “put away” work-in-process (WIP) parts to the correct location based on company parameters.

Inventory Transactions

Perform inventory transfers, bulk inventory issue, inventory issue against a work order and inventory adjustment transactions with any mobile device.

Time Tracking

Record actual time by operation and by employee to work orders. Record labor costs and time for sales orders, projects and service orders. Clocking in and out for job scanning and progress scanning allows you to include front office time in the cost of goods sold.

Progressive Assembly

View information needed for each sequential step of the assembly process, in real-time.

Purchase Order Receipts & Inspection

Enter purchase order receipts via barcode scan and enjoy simple and fast input of receipt inspection results for lot-controlled items.

Shipment Management

Manage shipment processes and provide accurate information to place the correct items on the correct shipment—without missing items or loading the wrong truck. Automatically back-order items and print and/or email shipping documents.

Ordering Information			
IB.SFE.COR	Shop Floor Execution (Browser-based)	IB.SFE.PRI	Purchase Order Receipts & Inspection
IB.SFE.CMC	CNC Machine Control	IB.SFE.PRT	Piece Rate Tracking
IB.SFE.CTR	Container Packaging & Organization	IB.SFE.ROO	Receive Outsourced Operations
IB.SFE.GLS	Guided Location Scan	IB.SFE.SHP	Shipment Management
IB.SFE.INT	Inventory Transactions	IB.SFE.TIM	Time Tracking
IB.SFE.PRA	Progressive Assembly		