INSIGHT WORKS

SHOP FLOOR INSIGHT

for Microsoft Dynamics 365 Business Central

★★★★★ **5.0 on Microsoft Marketplace** · **Over 1,000 Installs**

A COMPREHENSIVE MES SOLUTION FOR BARCODED TIME CAPTURE AND EMPLOYEE TIME MANAGEMENT.

Barcode and touchscreen terminals that capture labor and machine time, consumption, output, scrap, and rework against production orders, jobs, and fixed assets.

Shop Floor Insight is Insight Works' manufacturing execution system for Business Central. Operators scan a badge and a barcode on a production order, and time cards flow into Business Central for approval and posting. The same terminals record consumption, output, scrap, and rework, so labor, machine time, and production data land on the production order, job, or fixed asset they belong to, without double entry.

Why it holds up

Rework time with a root cause. An operator who has to redo work scans a rework code and a root cause code. The time still lands on the right production order and operation, flagged as exception time and attributed, so informal in-process rework becomes something a manager can measure by cause.

One scan ends one activity and starts the next. The operator scans a badge, then the production order barcode, and the previous activity closes automatically. Cleanup, toolbox meetings, and waiting on material are scanned the same way, against non-productive activity codes the customer defines.

Terminals that need no internet access. Terminals talk to one Windows service on the local network, and that service is the only conduit to Business Central. Terminals need not be domain-joined, so a large rollout is mainly a network exercise.

Licensed by employee, not by terminal. The Insight Works license follows the employees tracking time, so adding a terminal at every machine is a hardware decision rather than a licensing one.

Time cards that survive payroll. Supervisors approve time cards in a worksheet that validates on open. Overtime is written as separate double-entry adjustments that never alter the captured line, and a configurable CSV export goes to the payroll provider.

Paper or paperless, the floor decides. Scan the barcode on a paper traveler, or use a dispatch list filtered to the work centers near each station. Both feed the same time cards.

Who's on it

Machine operators
Scan a badge and a production order, do the work, and code rework and its root cause.

Shop floor supervisors
Review and approve time cards in the approval worksheet, with problems color-coded.

Production managers
See who clocked on to an operation, for how long, and what the labor cost.

HR & payroll administrators
Calculate overtime, then export time to the payroll provider without double entry.

Quality control inspectors
Record inspections from the floor or a tablet, inside the shop floor client.

Free to install and evaluate. Shop Floor Insight installs at no cost from Microsoft Marketplace, so you can try it in a sandbox before committing to production. The terminals also need the Windows service described on page 2.

Backed by over 800 resellers. Insight Works works through a global network of more than 800 Business Central resellers who can help consult, implement, and support a deployment. **See the Insight Works reseller directory**.

SHOP FLOOR INSIGHT

for Microsoft Dynamics 365 Business Central

TIME CAPTURE

- Identify the employee by badge, typed ID, door access card, or facial recognition (Time Clock only)
- Time against production orders, jobs and job tasks, fixed assets, and non-productive activity codes
- Separate barcodes for setup time and run time on an operation
- Batching: scan many production orders, clock off once, and split time by quantity, expected time, evenly, or in full
- Multiple operators on one activity; one operator on several activities, tracked independently
- Rounding by shift pattern; automatic break deduction; midnight shift and early clock-in handling

PRODUCTION DATA CAPTURE

- Consumption with lot and serial scanning, and scrap codes on consumption and output
- Output with quantity, lot and serial, generated serial tags or Julian-dated lot numbers
- Work instructions with estimated, actual, and current time and quantity, plus document links

QUALITY

- Inspections appear as a panel in the shop floor client, configurable by operation, item, or work center, and can be prompted when output is captured; job tasks support time capture, not inspections

APPROVALS & PAYROLL

- Approval worksheet validates on open, color-codes problems at card, line, and column level, and edits lines inline
- Overtime calculated daily and weekly through a suggest, accept, and carry-out workflow
- Configurable CSV payroll export; Daily Time Summary report for Excel

REPORTING

- Time card lines feed Business Central's analysis mode: pivot by production order, employee, work center, or activity code
- No shipped dashboard; Excel and Power BI can read the same data

CLIENTS & DEVICES

- Four clients: the browser-based shop floor client, a native Windows Time Clock, a phone-optimized Business Central role center (no barcode scanning), and the Warehouse Insight interface
- Windows, Android, and Chrome OS with Chrome or Edge; not iOS, including iPads; a scanner, keyboard, and mouse are each required for a scanning station

BUSINESS CENTRAL LICENSING

- Subscription, per employee tracking time; terminal count does not change the Insight Works license
- Business Central: a device license per concurrent terminal, or Team Member licenses (which cannot post consumption or output); approval and posting need a full user license
- Quality Module and Graphical Dispatch or Scheduler: optional modules, licensed separately, one per tenant

INTEGRATION & INSTALLATION

- Two components: a Business Central extension from Microsoft Marketplace (setup, approval, posting, export) and an on-premises Windows service that serves the terminals
- The service is required even on Business Central online: at least one per company, one per time zone, and one per environment
- Typical implementation is four to six weeks, with a discovery session before training

PREREQUISITES & COMPATIBILITY

- Business Central Jobs or the production modules must already be configured and posting correctly; output and consumption post to standard journals
- Essential licenses suffice when using Jobs; production orders require Premium
- Quality inspections come from Quality Inspector (a separate app) from version 7.12
- Works with Business Central online and on premises; the service talks to Business Central over SOAP web services

SUPPORT & RESOURCES

- Knowledge base at kb.dmsiworks.com: about seventy articles, including a thirteen-step install guide, a twelve-step user guide, and a troubleshooting library
- On-demand demo on the app's page at insight-works.com

DATA & PORTABILITY

- No separate database; captured time, consumption, and output live in Business Central time card lines and standard journals
- Payroll data leaves as a CSV export; no REST or OData API is documented

WHERE IT STOPS

- No scheduling engine or finite capacity scheduling; no offline mode documented
- Supervisors scoped to their own team cannot hold the Post permission

ALSO FROM INSIGHT WORKS

Insight Works builds 30+ apps for Microsoft Dynamics 365 Business Central, concentrated in these areas of manufacturing and distribution. If Business Central has a gap, there's a good chance we already have a solution.

Warehouse & Inventory Management
Barcode-driven receiving, put-away, picking, cycle counting, and license plate handling.

Shipping & Fulfillment
Carrier rate shopping, pick-to-ship execution, and shipment tracking.

Quality Control & Compliance
Inspections, test management, and quality documentation.

Production Planning & Scheduling
Capacity-aware scheduling, planning worksheets, and demand forecasting.

Shop Floor Execution & Maintenance
Shop floor data capture, machine maintenance, and production analysis.

Point of Sale & Data Tools
Counter sales, document attachment, label printing, and bulk data import/export.

See all Insight Works apps for Business Central

VISIT WEBSITE

WATCH DEMO

Available on Microsoft Marketplace

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