

# FactoryLogix<sup>®</sup>

Software for Manufacturing Operations

## Production

### SHOP FLOOR CONTROL:

Paperless process execution, WIP tracking, routing control, quality and test data collection / diagnostics.



Consolidate shop-floor support functions at each station into one interface for simplicity, efficiency, and cost savings. FactoryLogix delivers paperless, quality, traceability, and process verification through a user-configurable interface. Total scope and depth of functionality to support line operators once only possibly through costly customization is now out-of-the box.

#### Interactive Work Instructions

Ensuring the right document is in use at each work station demands constant management, and overlooking that can lead to product rework or scrap. Beyond revision control, operators need detailed and searchable documentation to build quality product. FactoryLogix meets both these challenges. Visual documentation created in the NPI module is dispatched automatically to each workstation under revision control and presents searchable, interactive multimedia documentation targeted perfectly where and when it is needed.

#### Enforced Operator Guidance

Critical assembly processes demand both control and evidence that an operator's work was performed correctly. For a given instruction step, operators may need to record a setting value, acknowledge the step was performed, have an inspector or inspectors confirm the work meets spec, and/or provide photographic evidence of the completed step. FactoryLogix provides this support, fluidly guiding the operator through their sequential build process, enforcing

capture of the required steps, and providing evidence of the work performed as part of the unit's build history.

#### Product Tracking and Control

The task of determining where all work orders and units are located throughout the plant is, in reality, among the most difficult. FactoryLogix solves this problem by digitally tracking every unit factory-wide, making this information available in real-time. Products may be built in batches and/or as serialized units. It enforces route sequence by blocking a unit that should not be present at a given station, and guides units out of stations and through rework loops where applicable. It adapts to line down conditions by rerouting automatically to alternate parallel processes, and ensures successful product pack out operations, taking care of the control activities that would normally cost your company a great deal of overhead.

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## Product Configuration and Genealogy

System level and configure-to-order (CTO) assemblies require control and evidence of subassembly content and their accessory complement. FactoryLogix readily adapts to assemblies with varying part content and enforces subassembly installation and replacement with rich validation checks. The result is complete product genealogy of all assemblies, including historical genealogy to uncover issues with suspect subassembly units.

## Work Station Setup Validation

A single error in materials setup will ruin a lot of product quickly. Material traceability adds overhead when handled in the traditional way. FactoryLogix offers material setup validation and enforcement at any work station, to verify BOM part content, tooling, and even consumables. Material may be verified as loaded or replenished into the station, or for every unit processed for upmost assurance of installed part content.

## Quality Data Collection and Repair

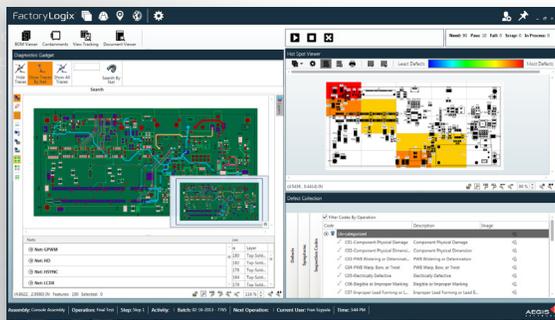
There exists no shortage of quality software for manufacturing. FactoryLogix stands apart because it is built on CAD intelligence. Why is this important? It enables

operators to quickly input data on an intelligent visual of the product, rather than text input. It enables positional and visual analysis of quality across the surface of the product. It enables intelligent mapping of defects back to detailed elements of the product design for continuous improvement. It collects data from automated inspection equipment via xLink. FactoryLogix also drives the redirection of the nonconforming product into user-configured routes for rework. When the unit is scanned into a rework station, the product image includes clear indicators where rework needs to be performed. Operators conduct their work, and clear the non-conformances as they go. No paper. No stickers or markers. And everything is tracked, traced, and controlled, delivering superior data input and analytical results thereafter.

## Test Data Collection and Diagnostics

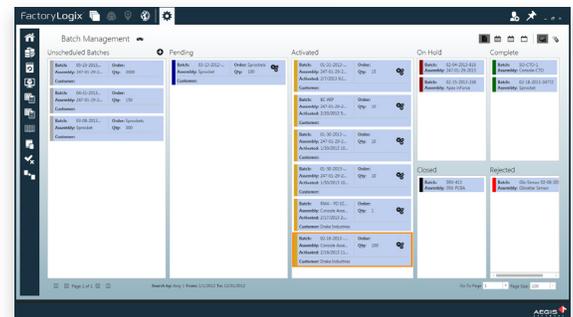
Testers develop symptoms of defects only. It takes diagnostics to determine the root cause of these symptoms. That's why FactoryLogix presents test engineers everything they need to know about the product itself: its net list, its test results, the history of the units built around the time that unit was built, and more.

## Final Test



For test engineers and repair technicians, FactoryLogix provides rich diagnostic information, including graphic display of defect "hot spot" areas on a circuit board and net list and trace layers, as well as collected defects and test failures.

## Batch Management

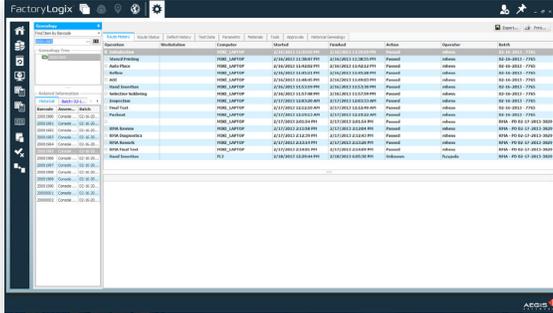


Manage and prioritize your scheduled work orders and jobs in FactoryLogix's batch management areas.



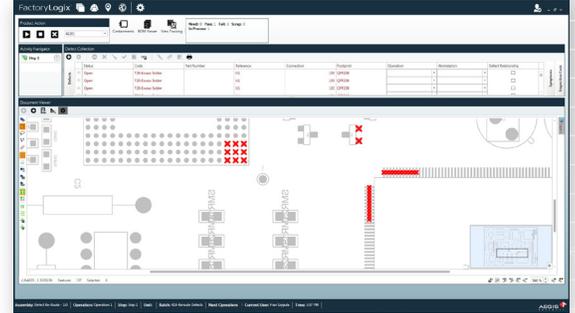
# Production

## Trace Screen



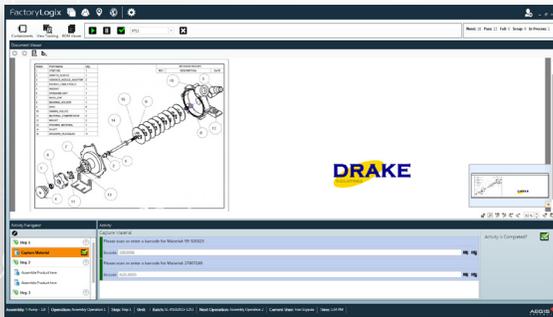
Instantly return product build history for units build under multiple work orders and routes, including its original build, repairs, configure-to-order, RMA, and refurbishment processes.

## Defect Collection



Inspectors capture defects down to the connection level on-screen referencing an intelligent product image, relieving the need for physically marking defects on each unit. Repair technicians are able to recall this visual reference, whether the defects were input by operators or collected from automated inspection equipment.

## Visual Aid



FactoryLogix ensures that operators follow each instruction through the build process, with optional enforcement to acknowledge completion of each step and capture detail, such as text, validated numeric content, and file attachments.



For more detailed information or to request a product demonstration visit us online.

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