WIP Tracking and Route Control

Track materials anywhere on the factory floor and ensure products are built in compliance with specified processes

OUTCOMES:

- - Reduces time to locate and count products
- - Minimizes unnecessary movements of employees
- - Reduces changeover time
- - Increases on-time delivery
- - Improves product quality through pre-determined validation at critical steps
- - Documents evidence of process compliance

WIP materials are difficult to track as they move from process-to-process, station-to-station, and automated equipment to manual assembly. It is easy to lose track of the constantly moving WIP, especially when employees have to use manual methods of tracking.

The WIP Tracking and Route Control software module is specifically designed to provide work in progress (WIP) visibility throughout the factory, validate the process flow, and provide history of the process steps accomplished on a product.

It is a modular and scalable system that tracks products anywhere on the factory floor until they are finished and put in stock or shipped. With the Cogiscan solution, efficient data collection is combined with error proofing solutions to demonstrate process compliance while reducing material and assembly costs.

Cogiscan's WIP Tracking and Route Control software uses real-time information to track the physical location and quantities of all WIP in the assembly process. It gives users instant access to:

- - **Exact location of products.**
- - **Counts of products that are in WIP.**
- - **Proof that products have completed all the required manufacturing steps.**

WIP Tracking and Route Control ensures products are manufactured following the right steps in the specified order, for optimal quality. Scanning points are deployed in the factory to monitor product movement and each scanning point is associated with a machine and operation. The software validates that products flow through the proper sequence of process steps while providing visibility of products waiting for, or currently in process at an operation.

The product is assembled in the pre-determine sequence, and all critical steps (test, inspection, etc) are validated before the product is allowed to move to the next step. This ensures that the product is built in compliance with specified processes, and improves product quality.

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