TTC Middleware

WIP Tracking, Route Control and Traceability

Microscan's TTC (Track, Trace and Control) middleware is specifically designed to provide work-in-progress (WIP) visibility through any factory, validate the process flow and provide the history of the process steps accomplished on a product. With TTC middleware, efficient data collection is combined with error proofing to demonstrate process compliance while reducing material and assembly costs.

TTC middleware, coupled with other Microscan products, ensures the right material is at the right place, at the right time, along with the historical data to prove it.

TTC Middleware: Capabilities
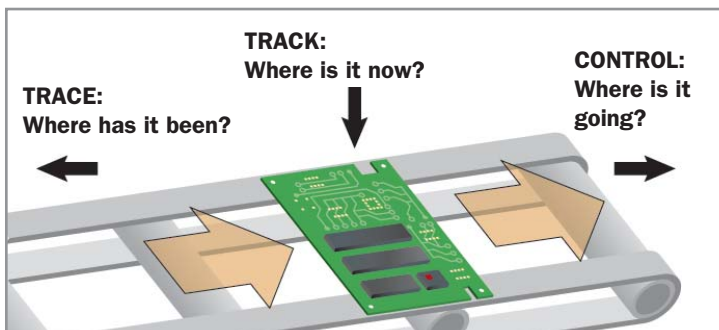
WIP Tracking
- *Provide work-in-progress tracking through a factory*
- *Easily accept real time data from Microscan auto ID and machine vision products*
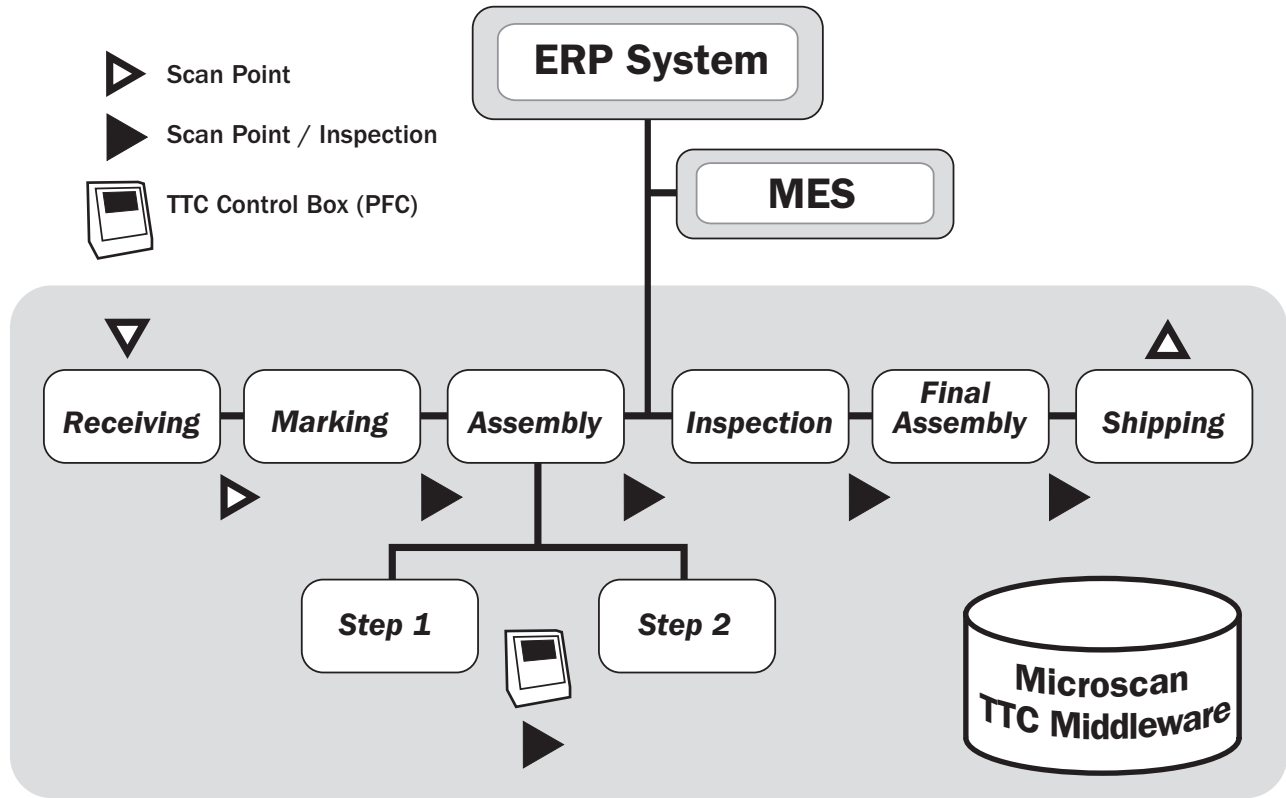
Traceability
- *Provide history of process steps accomplished on a product*
- *Connect to Microscan auto ID products for full traceability system*

Route Control
- *Validate process flow*
- *Integrate with Microscan vision systems*

TRACK:
Where is it now?

TRACE:
Where has it been?

CONTROL:
Where is it going?

Modular and Scalable
From operators on the factory floor to application engineers and developers, TTC middleware offers a configuration environment that can be tailored to different users for maximum productivity.

Traceability Recording
Easily track products from the release stage throughout the factory floor, until the product is finished and put to stock or shipped.

Product Route Controlling
Middleware allows visual warnings and alarms if a product is scanned at the entry of the wrong operation, or if the operation is out of sequence.

Factory Monitoring
Depending on factory layout, the same scan point can be shared for monitoring products exiting an operation and entering the next.

Seamless Integration
The open architecture of TTC middleware allows for seamless integration of an MES (manufacturing execution system) or ERP (enterprise resource planning) system.

Web-Based Reporting
All transactions are recorded into a historical database, and standard WIP and traceability reports can be generated from an easy to use web reporting interface.

For more information on this product, visit www.microscan.com.

MICROSCAN®

Network Architecture

▷ Scan Point

▶ Scan Point / Inspection

▣ TTC Control Box (PFC)

ERP System

MES

| Receiving | Marking | Assembly | Inspection | Final Assembly | Shipping |

Step 1   Step 2

Microscan TTC Middleware

Specifications for TTC Middleware

PREREQUISITES AND SYSTEM REQUIREMENTS:

· Microscan server license (site license)
· Client PC and server not included
· Scanning points (product flow controller, barcode reader, wireless pocket PC) not included
· Network infrastructure and wireless access point not included

OPTIONAL HARDWARE AND SOFTWARE:

· TTC Control Box (Product Flow Controller, PFC)
· Fixed-mount or handheld barcode reader
· Machine vision system
· Wireless pocket PC
· Data Warehouse Access
· Defect Data Collection software module

TTC Software In Partnership With

Cogiscan
★ Smart Material Control

www.cogiscan.com

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