ABETECH

Work In Process Tracking with RFID
Locate materials quickly, so you can always deliver.

What Is RFID?

- Radio frequency identification (RFID) is a locationing solution that helps manufacturers automatically track production-critical inventory and processes with real-time visibility.

- RFID uses intelligent edge technology including tags, software, and readers to wirelessly identify, verify, locate, and track any tagged item as it moves through production processes.

- You can tag and track materials, parts, components, and finished goods.

- You can also track tools, equipment, and assets that need to be moved or staged for production.

- RFID can be integrated with ERP, WMS, and other systems with relative ease.

How Does RFID Work?

- RFID uses radio frequency technology, transmitters, and principles similar to Wi-Fi.

- No manual barcode scans are required. Tagged items are tracked wirelessly and remotely, with ranges depending on the type of RFID tags you're using.

- You can read RFID tags with a handheld reader or a fixed-position reader that tracks and locates tagged items as they move into or out of an area.

- RFID can read many tags at once; you can identify an entire pallet of items with a single read.

- RFID is a locationing solution, which means it can track the locations of tagged items—not just their identities and quantities.

- RFID is an intelligent edge solution that can be used to capture, update, and analyze data at the edge of your network and operations.

HOW CAN RFID BE USED FOR WORK IN PROCESS TRACKING?

1 REPLENISHMENT

- Optimize your replenishment process, so lines are never left waiting for important parts and inventory.

- Locate material quickly to restock your lines, so downtime is significantly reduced.

2 FINISHED GOODS

- Know precisely when your finished goods are ready for delivery to the warehouse or shipping department.

- Get visibility into parts and materials at each stage in your processes, so you can make sound decisions downstream and increase your throughput.

3 EVENT TRIGGERS

- Automate your WIP procedures with efficient, configurable event triggers you can trust.

- Verify that the correct parts and materials are brought to each production stage.

- Get automatic exception alerts to identify and prevent problems before they occur.

- Integrate RFID with your third-party systems for added visibility and event alerts.

4 ASSET MANAGEMENT

- Track tools, equipment, and assets that need to be moved to each production stage.

- Quickly locate assets, even if they're in another production area or building.

- Maximize asset utilization and minimize unnecessary procurement costs.

HOW IS RFID DEPLOYED AND INTEGRATED?

AbeTech recommends Zebra RFID as an intelligent edge locationing solution and follows a unique U-S-E methodology for successful RFID exploration and deployment:

U Understand
- Business Case Development
- Discovery Workshop
- Initial Solution Design (ISD)

S Simplify
- Detail Discovery (DD)
- Readability Analysis (RA)
- Implementation Road Map

E Enable
- POC / Pilot
- Installation
- Support & Maintenance

Want to Learn More about Work In Process Tracking with RFID?
Connect with AbeTech to schedule a discovery workshop and get started.

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