

# Total Scanning

## The Challenge:

Our customer is a leading electronics manufacturer whose EMEA operation is based in the mid-west of Ireland. Our Hub (the largest SMI Hub in Europe) manages all inbound raw materials (29K pallet locations; 1,200 Kanban locations, 20,000 Part Numbers: 24 / 7 Operation). In order to support this business requirement, Flextronics Logistics had to re-engineer its outbound processes and transform the operations from a "Pallet in-Pallet Out" front flushing (issue and pick) Operation into a fully "Cartonized", back flushing operation (pick and issue) with full traceability of customers product throughout the inbound and outbound processes.

## Flextronics Solution:

The Flextronics Solution was to Introduce semi-automated pick process (known as Total Scanning) in conjunction with the introduction of a Kanban process as well as to examine the overall Facility Layout. This resulted in the introduction of a process and layout that introduced:

- Picking via RF Scanner (paperless picking) with increased pick accuracy.
- Significant improvements in cycle time and reduction on non-value add activity.
- A back flushing system i.e. "pick and issue system".
- The introduction of Total Quality Control (TQC) ideals
- Increased product traceability.
- More efficient process with reduced reliance on in-efficient material handling equipment.
- Inventory Control is ensured at a carton level.
- All cartons entering and leaving the system are scanned i.e. no manual keying of part numbers or box quantities
- Based on historical analysis and customer demand, 92% of parts can be located on ground levels readily accessible to ground pickers.
- RF Scanner Kanban Replenishment Process.
- RF Scanner based Outbound Quality Audit.
- Visual Dashboards at all Dock Doors to monitor efficiency.

## The Results:

Our customer has identified us as a "Best in Class" Service Provider with:

- Delivery Performance consistently at 100% (Previously at 90%)
- Delivery Quality going from approx 2000DPM to an average of 15DPM
- Inventory Integrity consistently shows a line item Accuracy of 99.99%

For more information on Flextronics Logistics, please contact Susan Fitzpatrick  
[Susan.mfitzpatrick@ie.flextronics.com](mailto:Susan.mfitzpatrick@ie.flextronics.com)



**FLEXLogistics Warehouse**



**Operator picking Via RF Scanner**



**Scanner Based Outbound Quality Audit**