THE CHALLENGE

Connected companies always outpace their siloed counterparts. The connected enterprise has generally been championed by finance, who selects a fantastic finance system (ERP). Unfortunately for most life science manufacturers, ERP is little more a portal to enter financial transactions, and fails to address the day to day needs of connected manufacturing execution, and quality control.

This gap between capabilities and needs is often filled with multiple band-aid processes strung together with spreadsheets and tribal knowledge. Perhaps the definition of business and regulatory risk.

THE SOLUTION

DataNinja can be configured to automate inventory and process order transactions to the leading ERP systems available, however DataNinja itself is not a finance system. Our strategy is to connect with and augment master data repositories to meet the needs of regulated manufacturers with a purpose built manufacturing execution system (MES) for life sciences.

CONNECTED TRACEABILITY

The connected enterprise is here today. What paper based or manual review processes should be upgraded to automatic real time feedback to enable growth?

- **2D Barcode Traceability:** The secret to perfect traceability from raw materials to finished goods is making data collection painless. With DataNinja the scan of a single bar code tells that entire sub-lots story.

- **Lot and Part Verification:** DataNinja has your back and verifies part and lot data in real time, which translates to reduced delay and rework. Now your staff will have more time for the hard stuff.

- **Variance Analysis:** DataNinja trends quantity, labor, and price variances, not to mention up to 1000 custom or in process QC data points for every sub-assembly and raw material.

- **Manufacturing Intelligence:** Every manufacturer produces at least two product lines; the product itself and the manufacturing record for that product. Sadly, most paper based companies only profit from the first.

- **Manufacturing is Hard:** Managing your manufacturing data does not have to be. The benefits of going paperless with e-signatures and Electronic Batch Records can provide real business value (not to mention smoother audits).

- **Inventory:** Imagine a bar code based physical inventory count. They are more accurate too, because barcodes enable real time transactions reducing errors throughout the year.
MANUFACTURING TRACEABILITY
More than an inventory system

Manufacturing traceability starts with a solid master data management. Without it you can not build part specific material flow processes, from incoming inspection to shipping.

LOCATION MANAGEMENT
Make it simple to make it accurate. To transfer materials between locations all that is required is:
1) Scan unique ID on material barcode.
2) Scan new warehouse location.
DataNinja Supports full X-Y-Z location specification. Each location and can be as large as a building or as granular as a bin.

INCOMING INSPECTION
Some materials might be dock to stock, but most have required inspection or vendor supplied documentation to associate with that material. With the Incoming Inspection module all defined inspection criteria, and attachments are linked to the manufacturing record of the applicable intermediate subassembly and finished products.

LOT CONTROL
Different materials require different levels of control.
Part Tracking: Basic quantity only inventory.
Batch Tracking: Location, quality control status, and incoming inspection enabled inventory.
Sublot: Batch tracking at the kanban/coding level.
Batch Serial Tracking: Sublot level traceability down to a single serialized component.

WAREHOUSE AUTOMATION
Warehouse automation solves the legacy break down between physically moving materials and pausing to record the transaction. DataNinja pick and pack support coupled with 2D barcodes keeps inventory accurate because receiving, transfer, scrap and shipping transactions are all recorded in real time.
MACHINE READABLE 2D

The only real way to read the traceability tea leaves

Barcode printers are easily configured in DataNinja and label templates are assigned on a printer by printer basis so that each area uses the correct label for the job.

An example of a DataNinja barcode printed at the time raw material part number “1006” was received with completed incoming inspection.