



Electronic Products Industry

Microsoft® Business Solutions-Navision® helped Electronic Manufacturers to keep track raw materials that is susceptible to defects.

Situation

Industry description:

Electronic Manufacturing - Include webcams, digital cameras and mp3 players.

Objective:

The electronic materials use to assemble these products are sensitive to the environment and is susceptible to defects and damage. Defective materials will seriously affect the quality of the finished products and disrupt process plan when rework is required on the products due to this reason. To ensure product quality, these materials must pass through sample and/or full IQC (Incoming Quality Check) before they can be put into production. Moreover, when batch of defective product is reported, the material lot/batch used producing item will be traced to facilitate recalls and/or them to be further used in production.

The main objective in implementing Navision is to automate the planning process to achieve better flexibility in planning. The other objects are increase quality and better tracking of material.

Solution Highlight:

Implementation of Microsoft Business Navision in the following functional areas:

- Finance (General Ledger and sub-ledgers)
- Trading (Sales and Purchase)
- Inventory (Warehouse Management with Item Tracking)
- Manufacturing (MRP and Production Order Processing)

Material Requisition Plan is implemented to help customer plan their production and purchase of materials according to Production Forecast and demand from Sales Order. Changes in Sales Order and can be reflect to the production plan instantaneously with MRP (material requirements planning) re-calculation.

To help control the quality, an IQC (Incoming Quality Check)

logical is implemented into Navision. After warehouse receive of raw materials, Navision will base on predefined setting in the item card to decide whether Sample Quality check or Full Quality check is required for receive. If the material batch fails the Sample Quality check, user can decide whether a Full Quality is required. IQC information is stored in Navision and users can use that for vendor performance analysis.

Lot No. tracking also used to track each lot of raw material used in the production process. If defect is found in a particular lot of raw material, they can be tracked to each location of where it is stored and each lot of product manufactured for it. Lot No. are also assigned to finished goods. In an event of material recall, our customer can track down to the client who bought the product produced by the material.

Benefits:

Flexible Production Plan

Navision's MRP functionality gathers demand (Sales and Forecast) and supply (Inventory and Purchases) information from Navision Functional areas. Any change in demand can be reflected in the production and purchase plan with MRP net change re-calculation. Our customer can response and change the production schedule according to the re-calculated results.

Better Quality Control

IQC functionality facilities quality assurance and proper record of raw material documentation. Our customer uses this information to evaluate vendor performance to pursue better quality of raw materials use. Better quality of raw materials means better finished goods for the client.

Moreover, with complete tracking of Lot on raw materials and finished goods, any quality issue can be resolved in a short period of time.

Warehouse Receipt (with IQC Option)

来源单号	物料代码	检查类型	说明	数量	需收货...	收到数量	未清数量	到期日
采购单 106024	1500	抽样检查	Lamp	100	100	0	100	01/26
采购单 106024	1600	抽样检查	Bell	120	120	0	120	01/26
采购单 106024	1850	完全...	Saddle	110	110	0	110	01/26

IQC Sample Inspection

物料代码	说明	IQC地址...	退还地...	接受地...	数量	检查数量	不合格数量	采取行动
1500	Lamp	IQC	WHITE	YELLOW	100	5.00	1.00	接受
1600	Bell	IQC	WHITE	YELLOW	120	6.00	3.00	接受

Full Inspection

物料代码	说明	IQC地址...	检查数量	接受地址...	接受数量	退还地...	退还数量	报废地址...	报废数量
1850	Saddle	IQC	110.00	WHITE	80.00	SILVER	20.00	YELLOW	10.00