MRP: Advanced traceability and costing
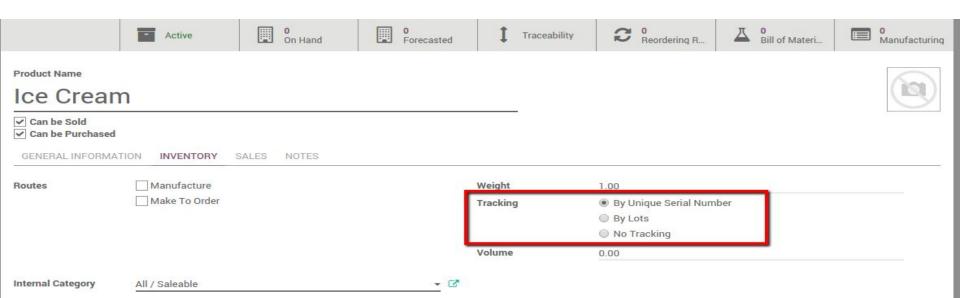
Michael Vercruyssen • Functional consultant

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odoo

Optimise the **Traceability:**

Install the new V10 Odoo enterprise with Purchase, Sales, inventory & manufacturing apps

Activate the traceability

Traceability

Lots and Serial Numbers
- ○ Do not track individual product items
- ● Track lots or serial numbers

Expiration Dates
- ● Do not use Expiration Date on serial numbers
- ○ Define Expiration Date on serial numbers

Packages
- ● Do not manage packaging

Inventory — Dashboard — Operations — Inventory Control — Schedulers — Reports — Configuration

APPLY   CANCEL

| Active | 0 On Hand | 0 Forecasted | Traceability | 0 Reordering R... | 0 Bill of Materi... | 0 Manufacturing |

Product Name

Ice Cream

☑ Can be Sold
☑ Can be Purchased

GENERAL INFORMATION   **INVENTORY**   SALES   NOTES

Routes
- ☐ Manufacture
- ☐ Make To Order

Weight   1.00

Tracking
- ● By Unique Serial Number
- ○ By Lots
- ○ No Tracking

Volume   0.00

Internal Category   All / Saleable

Serial number

Buy 3 products and sell 2 of them

Upstream: from customer to Supplier (e.g. if a customer ask you the origin of its product parts).

- Create a new product (Sale Price, Cost, Tracking by unique serial number, 2 vendor cost)
- Create 2 PO
- Receive 3 time this product
- Sell this product in 2 SO (1 & 2) and deliver it
- Show the origin of the 2 serial number of the second sale

Lots

Buy 3 lots of components to manufacture and sell 6 products

1) Create a product tracked by serial number (MTO, Manufactured)
2) Do a BOM with 2 components
3) Make one of these component tracked by lots (Brake: add Unit Cost)
4) Buy 3 lots of 2 components
5) Sell and Manufacture 6 products then deliver everything
6) One of the lots has an issue, so call back the 2 impacted final product using the traceability report on the impacted lot

Downstream Traceability: From Supplier to Customer (e.g. to find car to call back if wrong pieces from a Supplier)

Cost Analysis

1) Manufacturing Settings: "Manage production by work orders"
2) Create 2 new work centers with "Cost per hours" and create a routing with them
3) Create a new product & a BOM with 1 stockable and 2 consumable
4) Set the routing on this nes BOM and show the "BOM Cost"
   a) It is a static report
   b) Soon the "Cost per hours" from the work Centers will be integrated

5) Create a new MO > Plan > process the 3 WO
6) Mark the MO as Done
7) Analyse the REAL COST for this MO
8) Do a second MO
9) Analyse the REAL COST for a product (Total & Unit Cost) => select manually the MO to analyse via the final product

For more information:

Tomorrow at 12:30 in the main theater

Advanced MRP KPIs and how they are computed (OEE, MTBR, MTTF)

Thank you.