

How to use Odoo in the textile Industry

The Modetic use case

Antoine Sencie, Fonctionnal Consultant



SUMMARY

1 Introduction

2 Context

3 Further information

4 Quick abstract

5 Conclusion

Modetic

Company overview

- Jeans Manufacturer
- 8 designs of jeans with different sizes
(391 different products)
- One manufacturing location
- One stock location

Modetic: Issues before Odoo implementation

- No accurate view of the current stock level
- Difficulties to know when to resupply a product



Warehouse Management

Manufacturing

Module configuration

Warehouse

Manufacturing

Warehouse configuration

Traceability

Traceability

- Track lots or serial numbers
- Expiry date on serial numbers
- Use packages: pallets, boxes, ...
- Manage owner on stock

Accounting

Accounting

- Generate accounting entries per stock movement
- Create and open the invoice when the user finish a delivery order
- Calculate landed costs on products

Location & Warehouse

Logistic

- Generate procurement in real time
- Manage multiple locations and warehouses
- Manage advanced routes for your warehouse

Minimum days to trigger a propagation of date change in pushed/pull flows.

Products

- Allow to define several packaging methods on products

Decimal precision on weight

- Manage different units of measure for products
- Invoice products in a different unit of measure than the sales order

Manufacturing configuration

Manufacturing Order

Order

- Produce several products from one manufacturing order
- Manage repairs of products

Planning

- Manage routings and work orders
- Allow detailed planning of work order

Master Data

Products

- Allow several bill of materials per products using properties

- No additional settings to activate!
- Use of the variant to manage the production depending on the size

How Odoo answered Modetic business issues

Warehouses configuration

Warehouse Name Routes

Marseille

Short Name Address ↗

Warehouse Configuration | Technical Information

Incoming Shipments

- Receive goods directly in stock (1 step)
- Unload in input location then go to stock (2 steps)
- Unload in input location, go through a quality control before being admitted in stock (3 steps)

Outgoing Shippings

- Ship directly from stock (Ship only)
- Bring goods to output location before shipping (Pick + Ship)
- Make packages into a dedicated location, then bring them to the output location for shipping (Pick + Pack + Ship)

Manufacture in this Warehouse

Default Resupply Warehouse

Resupply Warehouses Romans

○ Outgoing shipping (2 steps) : Quality control + shipping

○ Manufacturing in Marseille

Warehouses configuration

Warehouse Name Routes

Romans

Short Name Address

Warehouse Configuration Technical Information

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Manufacture in this Warehouse

Default Resupply Warehouse

Resupply Warehouses

- Marseille

○ Romans stock will be resupply from Marseille

Procurement of products



101 Denim Original Rouge

Can be Sold

| | |
|---------------------|-----------------|
| 1 Bill of Materials | 2 Manufacturing |
| 15.0 On Hand | Moves |
| Reordering Rules | Routes |

Information

Procurements

Inventory

Sales

Variants

Accounting

Cost Price

27.29

Purchase

Purchase Unit of Measure | Unit(s)

Supply Chain Information

Routes

- Romans: Supply Product from Marseille
- Manufacture
- Make To Order
- Marseille: Quality control + Ship

Manufacturing

Quality control

Delivered to
Romans

Reordering rule

| | | | |
|--------------------------|-----------------------------------|---|-------------------------------------|
| | | Procurement Orders to Process | |
| Name | Reordering Rule Denim Rouge 26/32 | Warehouse | Romans |
| Product | 101 Denim Original Rouge (26, 32) | Product Unit of Measure | Unit(s) |
| | | Location | RO/Stock |
| | | Procurement Group | |
| Rules | | Misc | |
| Minimum Quantity | 6.000 | Active | <input checked="" type="checkbox"/> |
| Maximum Quantity | 15.000 | | |
| Quantity Multiple | 1.000 | | |

- Minimum quantity: critical quantity that triggers the reordering rule
- Maximum quantity: number of products needed in stock when you resupply it.

Bill of materials

| | | | |
|------------------------|-------------------------|------------------|-------------------------|
| Product | 201 Denim original noir | Name | 201 Denim Original Noir |
| Product Variant | | Reference | |
| Quantity | 1.000 Unit(s) | BoM Type | Normal |
| Routing | | | |

| | |
|------------|------------|
| Components | Properties |
|------------|------------|

| Product | BoM Line Type | Product Quantity | Product Unit of Measure | Product Rounding | Manufacturing Efficiency | Valid From | Valid Until | Variants |
|------------------------------------|---------------|------------------|-------------------------|------------------|--------------------------|------------|-------------|-------------|
| Fond de poches | Normal | 0.230 | m | 0.00 | 1.00 | | | |
| Etiquette taille | Normal | 1.000 | Unit(s) | 0.00 | 1.00 | | | |
| Etiquette 1083 | Normal | 1.000 | Unit(s) | 0.00 | 1.00 | | | |
| Jacron | Normal | 1.000 | Unit(s) | 0.00 | 1.00 | | | |
| Bouton principal 17MM (copie) | Normal | 6.000 | Unit(s) | 0.00 | 1.00 | | | |
| Bouton principal 17MM | Normal | 1.000 | Unit(s) | 0.00 | 1.00 | | | |
| Biais 32MM | Normal | 1.700 | m | 0.00 | 1.00 | | | |
| Etiquette cartonnée | Normal | 1.000 | Unit(s) | 0.00 | 1.00 | | | |
| Toile denim original rouge (copie) | Normal | 1.400 | m | 0.00 | 1.00 | | | |
| Fermeture éclair (9CM, noir) | Normal | 1.000 | Unit(s) | 0.00 | 1.00 | | | Largeur: 25 |
| Fermeture éclair (9CM, noir) | Normal | 1.000 | Unit(s) | 0.00 | 1.00 | | | Largeur: 26 |
| Fermeture éclair (9CM, noir) | Normal | 1.000 | Unit(s) | 0.00 | 1.00 | | | Largeur: 24 |
| Fermeture éclair (9CM, noir) | Normal | 1.000 | Unit(s) | 0.00 | 1.00 | | | Largeur: 28 |
| Fermeture éclair (9CM, noir) | Normal | 1.000 | Unit(s) | 0.00 | 1.00 | | | Largeur: 27 |
| Fermeture éclair (noir, 10CM) | Normal | 1.000 | Unit(s) | 0.00 | 1.00 | | | Largeur: 33 |
| Fermeture éclair (noir, 10CM) | Normal | 1.000 | Unit(s) | 0.00 | 1.00 | | | Largeur: 32 |
| Fermeture éclair (noir, 10CM) | Normal | 1.000 | Unit(s) | 0.00 | 1.00 | | | Largeur: 31 |
| Fermeture éclair (noir, 10CM) | Normal | 1.000 | Unit(s) | 0.00 | 1.00 | | | Largeur: 30 |
| Fermeture éclair (noir, 10CM) | Normal | 1.000 | Unit(s) | 0.00 | 1.00 | | | Largeur: 29 |
| Fermeture éclair (noir, 12CM) | Normal | 1.000 | Unit(s) | 0.00 | 1.00 | | | Largeur: 36 |
| Fermeture éclair (noir, 12CM) | Normal | 1.000 | Unit(s) | 0.00 | 1.00 | | | Largeur: 35 |
| Fermeture éclair (noir, 12CM) | Normal | 1.000 | Unit(s) | 0.00 | 1.00 | | | Largeur: 34 |

- Depending on the width of the jeans, the size of the zipper used in the manufacturing process will be different.

Demo of the workflow

Workflow



A sale is done:

- A delivery is made from the Warehouse of Romans
- The stock level is altered
- When we reach a critical quantity, the system send the order to resupply the warehouse

Workflow



A manufacturing order is automatically created to fulfill the resupply requirement:

- A bill of material is associated to each product
- The components vary depending on the sizes

Workflow



All manufactured products go through a quality control in
Marseilles:

Workflow



Every products that went through the quality control are shipped to the warehouse in Romans

- Transfer between Marseilles and Romans

Workflow



The products delivered from Marseilles are either used to:

- Replenished Romans' stock
- Deliver the customers if there wasn't enough stock

Conclusion

Conclusion

Project Modetic:

○ 2 modules:

Warehouse management: handle the stock resupply

Manufacturing: Manage the manufacturing of the jeans

○ Time spent: 2 months

Thank you for your attention

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