



# MANUFACTURING



**We are official Odoo Partner**

# Our Profile



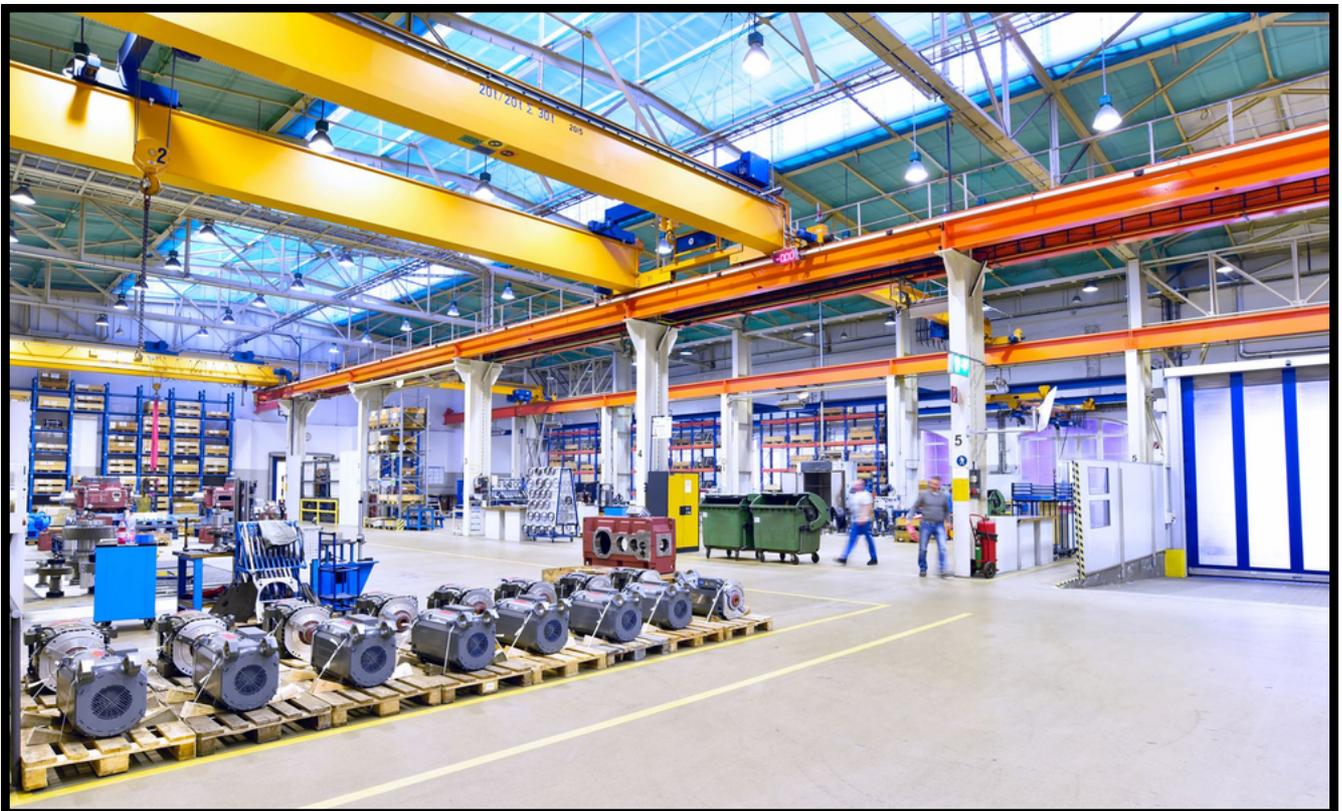
**Veracious Perfect Consultancy Services (VPCS) Pvt. Ltd.** is an official Odoo Partner based in Ahmedabad and serving its clients since 2016. It was founded with an aim of helping organisations in digitizing their processes. We have so far developed **70+** modules in **Odoo** and have served **50+** clients globally.

**VPerfect CS Serves!**

"Our essence is to serve for your betterment"

# MANUFACTURING

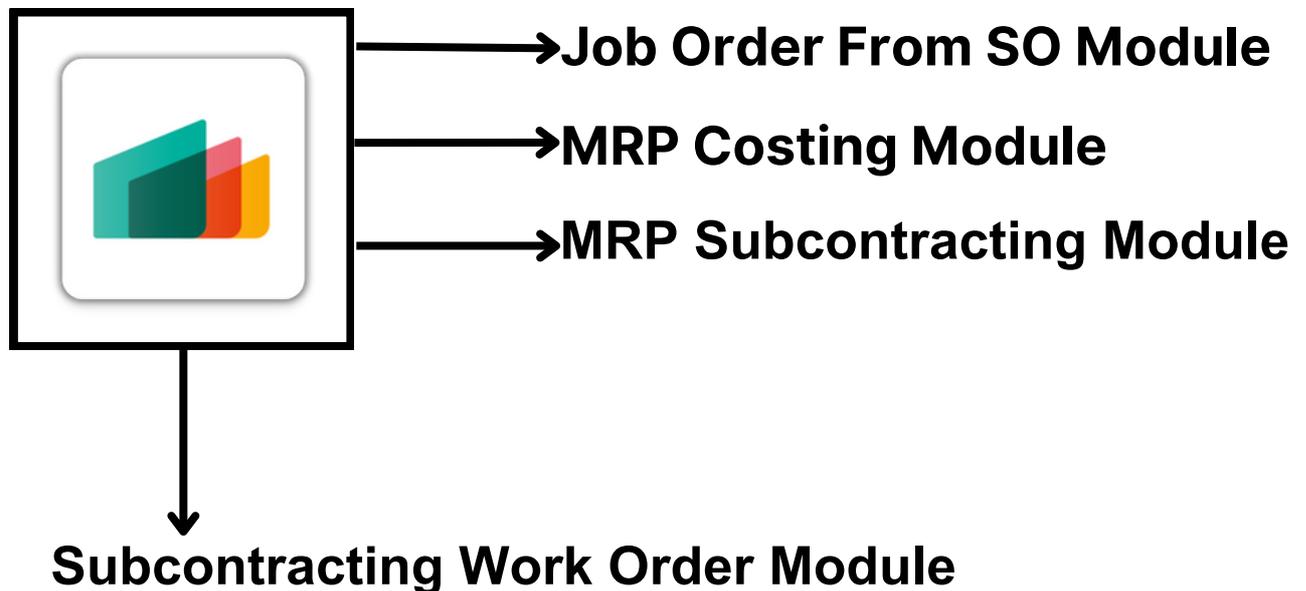
- Manufacturing plays a very important part in the growth of a nation
- To increase the growth of a nation the manufacturing industries needs to be efficient



- To increase the efficiency of an organisation their resources should be properly managed. Enterprise Resource Planning softwares can in a way help organisations manage their resources efficiently

- **Odoo** is one such type of software that helps organisations manage their resources and we at **VPCS** have also developed some modules in helping organisations manage their resources
- VPCS has developed the following manufacturing modules for their productive clients

## Manufacturing



# JOB ORDER FROM SO MODULE

- This module helps in configuring new or existing **BOM** on **Sale Order** for **Manufacture** and **Make To Order** type products in sale order line and sync it to **Manufacturing Order**



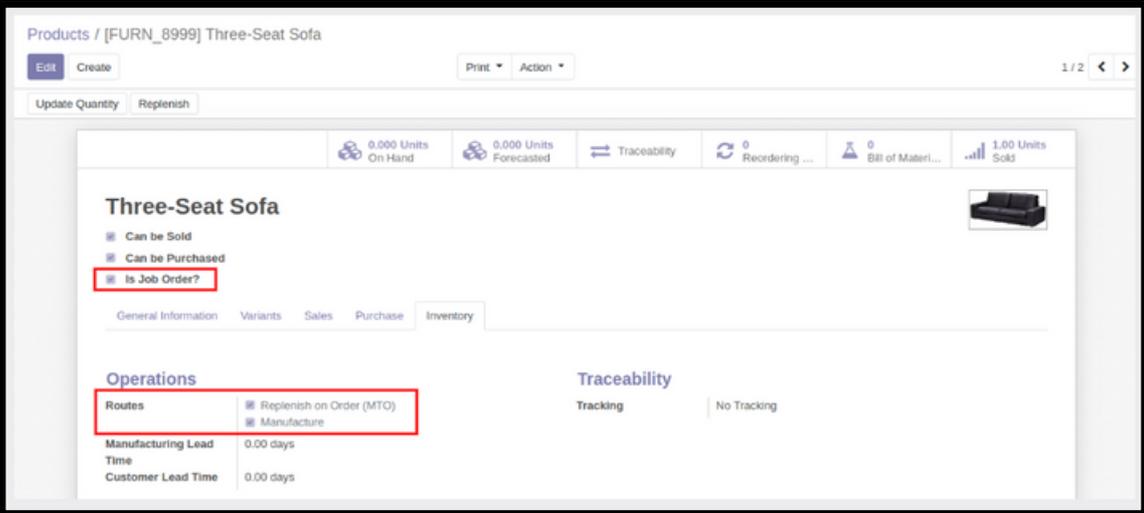
**Job Order**

This module helps customise instant new or existing BOM from sale order for manufacture and MTO type products in sale order line and link it with its manufacturing order.

*PerfectCS*

The graphic features a blue clipboard icon with a checklist and a gear, symbolizing configuration and manufacturing. The PerfectCS logo is at the bottom left.

- **Job Order Type Product Configuration:**



Products / [FURN\_8999] Three-Seat Sofa

Update Quantity Replenish

0.000 Units On Hand 0.000 Units Forecasted Traceability Reordering ... Bill of Mater... 1.00 Units Sold

**Three-Seat Sofa**

Can be Sold  
 Can be Purchased  
 **Is Job Order?**

General Information Variants Sales Purchase Inventory

**Operations**

Routes  Replenish on Order (MTO)  
 Manufacture

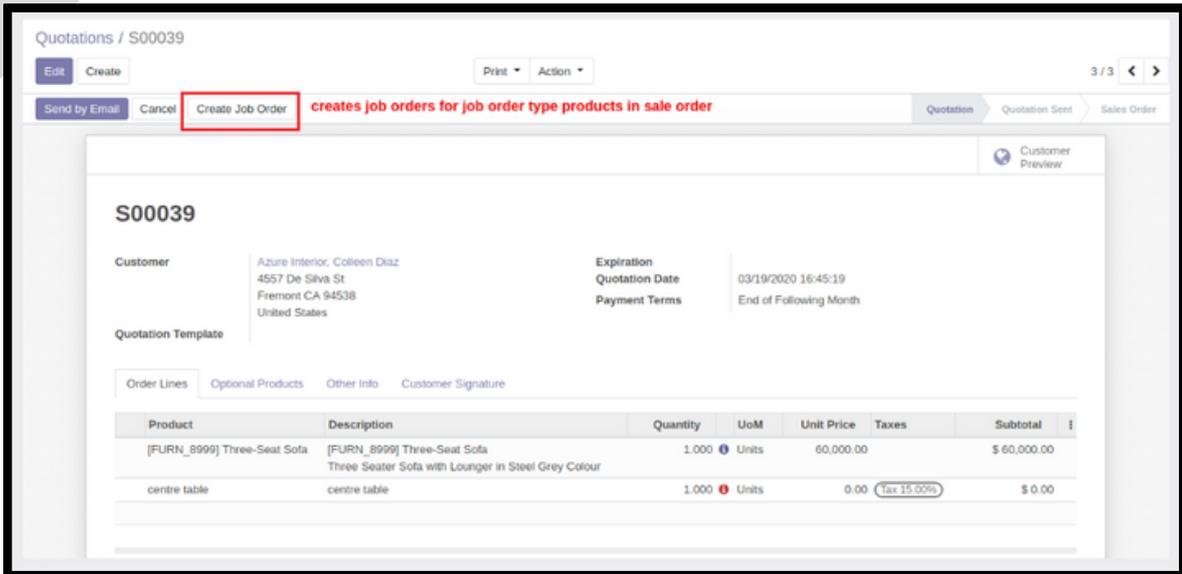
Manufacturing Lead Time 0.00 days  
Customer Lead Time 0.00 days

**Traceability**

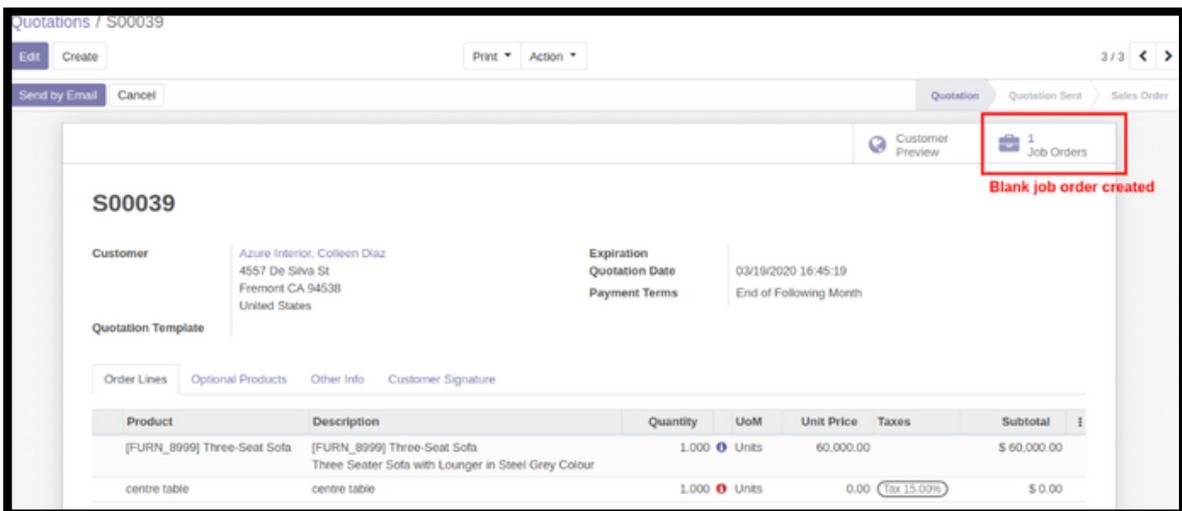
Tracking No Tracking

The screenshot shows a software interface for configuring a product. The 'Is Job Order?' checkbox is highlighted with a red box. The 'Operations' section also has a red box around the 'Routes' and 'Replenish on Order (MTO)' checkboxes. The 'Traceability' section shows 'Tracking' and 'No Tracking' options.

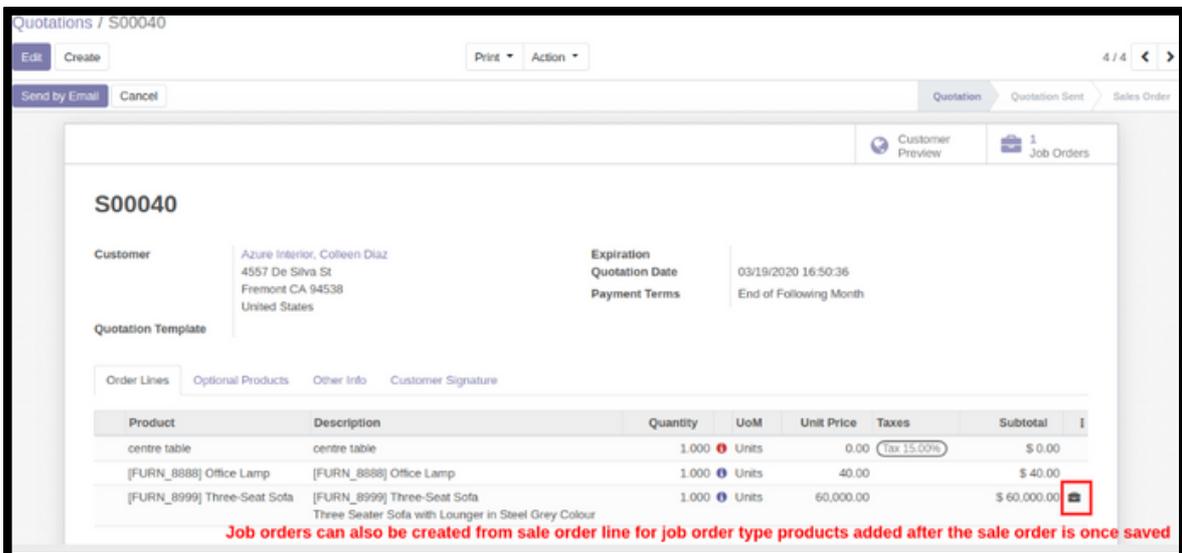
- **Quotation for Job Order Type Product:**



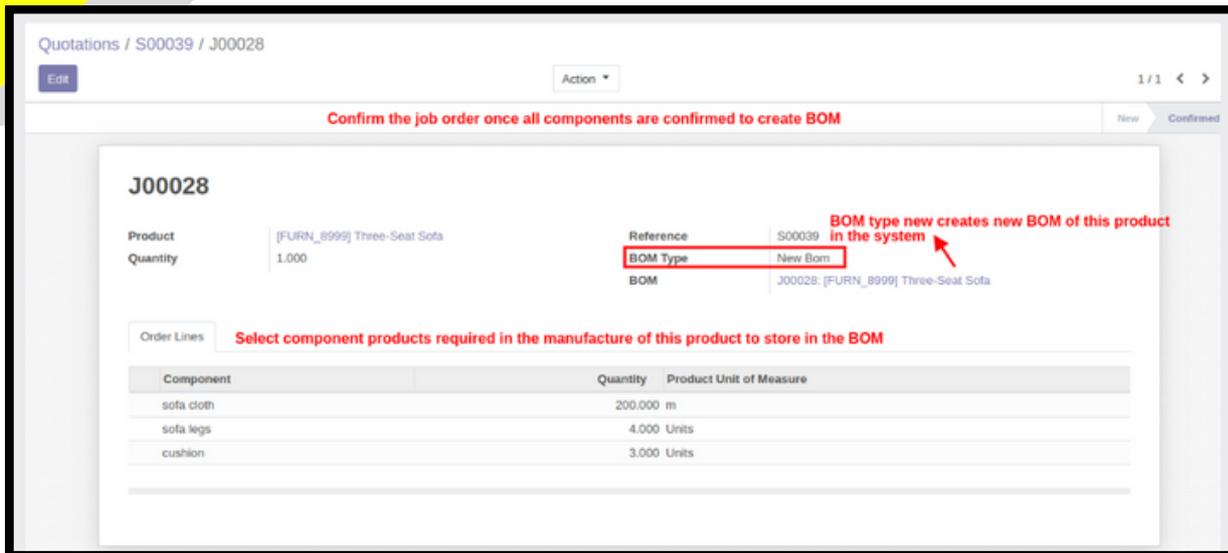
- **Job Order Smart Button:**



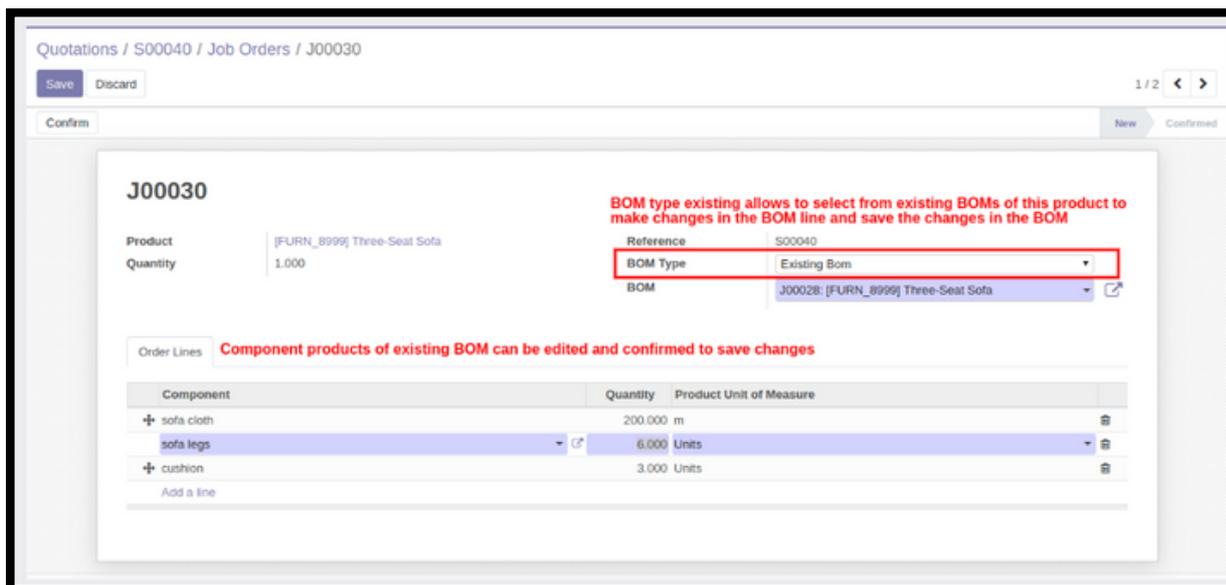
- **Job Order Button on Sale Order Line:**



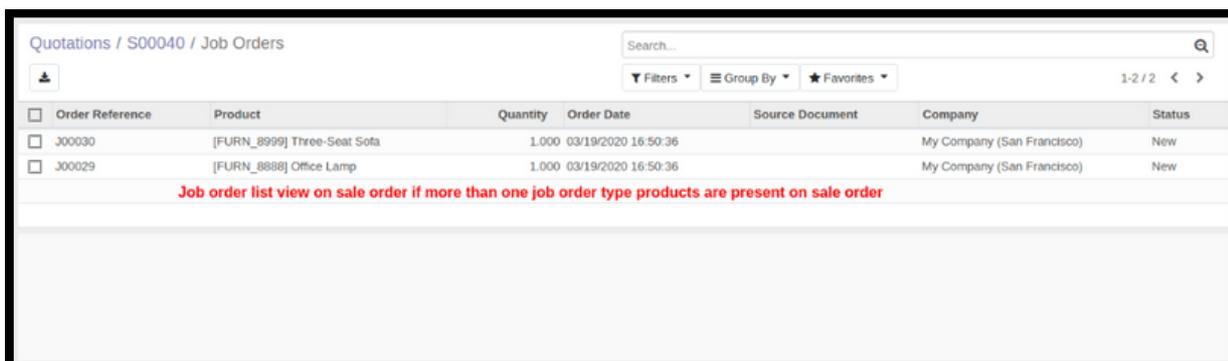
- Job Order with BOM Type New:



- Job Order with BOM Type Existing:



- Job Order List for Multiple Job Orders:



- **Sale Order Confirmation:**

Quotations / S00039

Print Action

3 / 3

Send by Email Cancel **Confirm** Quotation Quotation Sent Sales Order

Customer Preview 1 Job Orders

**S00039**

Customer: Azure Interior, Colleen Diaz  
4557 De Silva St  
Fremont CA 94538  
United States

Expiration: 03/19/2020 16:45:19  
Quotation Date: 03/19/2020 16:45:19  
Payment Terms: End of Following Month

Quotation Template

Order Lines Optional Products Other Info Customer Signature

Product	Description	Quantity	UoM	Unit Price	Taxes	Subtotal
[FURN_8999] Three-Seat Sofa	[FURN_8999] Three-Seat Sofa Three Seater Sofa with Lounger in Steel Grey Colour	1.000	Units	60,000.00		\$ 60,000.00
centre table	centre table	1.000	Units	0.00	Tax 15.00%	\$ 0.00

- **Manufacturing Order:**

Manufacturing Orders / WH/MO/00024 **Manufacturing order created from sale order with job order BOM and related components**

Print Action

1 / 14

Check availability Produce Scrap Unlock Cancel Draft **Confirmed** Done

**WH/MO/00024**

Product: [FURN\_8999] Three-Seat Sofa

Quantity To Produce: 1.000 Units Update

Deadline: 03/19/2020 15:49:59  
Planned Date: 03/19/2020 15:49:59 to 03/19/2020 16:49:59

**Bill of Material**: J00028: [FURN\_8999] Three-Seat Sofa

**Responsible**: S00039

Routing

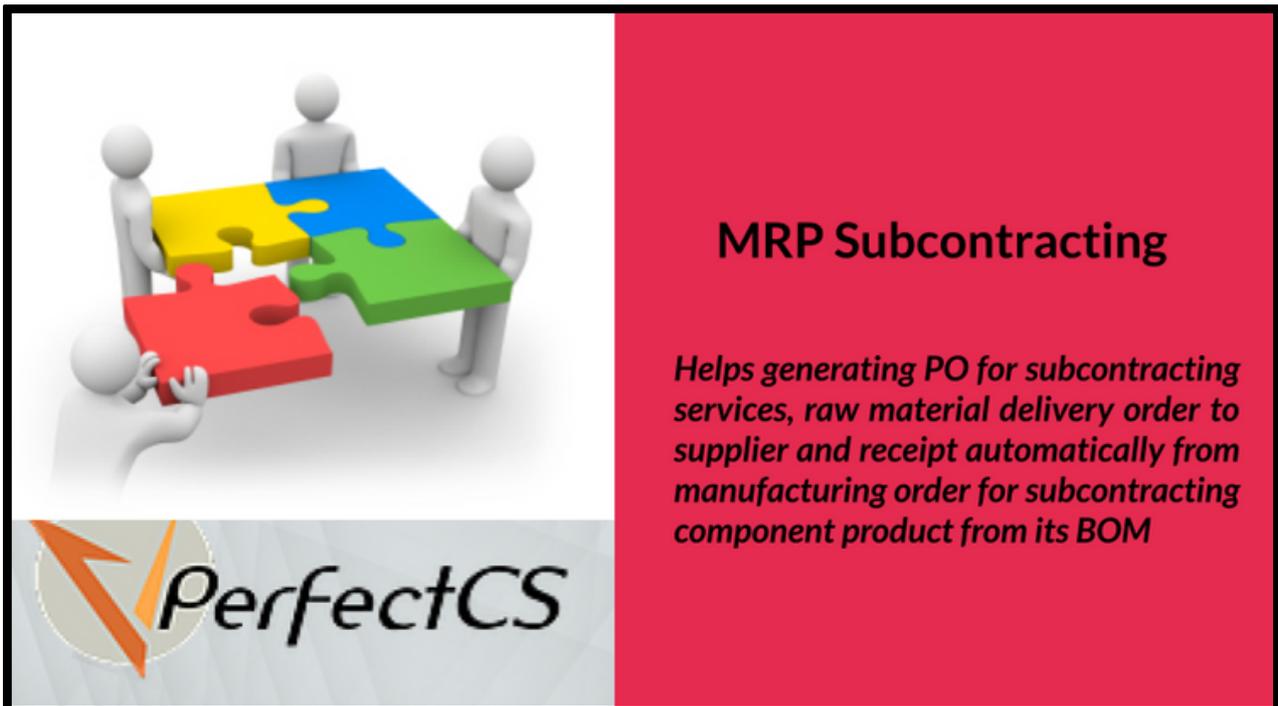
Source: S00039  
Company: My Company (San Francisco)

Components Finished Products

Product	Unit of Measure	Tracking	To Consume	Reserved	Consumed
sofa cloth	m	<input type="checkbox"/>	200.000	0.000	0.000
sofa legs	Units	<input type="checkbox"/>	4.000	0.000	0.000
cushion	Units	<input type="checkbox"/>	3.000	0.000	0.000

# MRP Subcontracting Module

- This subcontracting module allows the user to manage subcontracting of **Components, Sub-components** or **Services**



- When a manufacturing order is confirmed, it automatically generates the **Purchase Order** for raw materials and subcontracted services
- Generates a **Receipt** for raw materials and generates the **Delivery Order** for delivering the raw materials to the supplier of subcontracted service
- Generates **Receipt** for the subcontracted components and performs the manufacturing of finished product and generates the **Final Delivery Order** for the product to the customer
- It also creates an **Invoice** and **Bill** for the product or service

- On **Cancelling** the manufacturing order all the related processes and invoice are also cancelled automatically
- The **Quantity** of products and components can be automatically **Updated** as and when they are received or delivered by clicking on **Update** button on the **Manufacturing Order**
- **Product BOM:**

Bills of Materials / bike

Product Quantity: bike, 1.00

Reference BoM Type: Manufacture this product

Components: Components, Miscellaneous, Subcontracting

Product	Product Quantity
Handlebars	1.000
Frame Assembly	2.000
Seat	1.000

subcontracting product with 2 qtys

- **Component BOM:**

Bills of Materials / Frame Assembly

Product Quantity: Frame Assembly, 1.00

Reference BoM Type: Manufacture this product

Components: Components, Miscellaneous, Subcontracting

**BOM for subcontract**

Product	Product Quantity
Wheel	2.000
frame	1.000

Raw materials

- **Subcontracting On Component BOM:**

Bills of Materials / Frame Assembly

Edit Create Print Action 3 / 8 < >

**Subcontract configuration**

Active

Product: Frame Assembly Reference: Manufacture this product  
 Quantity: 1.00 BoM Type: Manufacture this product

Components Miscellaneous Subcontracting

Subcontract?  **Enable subcontracting**

Supplier: bikers.co **Subcontracting partner**

Product: Frame assembly labour costing **Subcontracting service used in PO and invoicing**

Cost per unit: 5,000.00 **Cost of service per unit**

- **Subcontracting Manufacturing Order:**

Manufacturing Orders / MO/00014

Edit Create Print Action 14 / 14 < >

Check availability Produce Cancel Scrap Unlock Confirmed In Progress Done

**MO/00014**

Product: bike  
 Quantity To Produce: 1.000 **Update**  
 Bill of Material: bike

1 Subcontracts **Subcontracting purchase order**  
 1 Raw Materials **Delivery of raw material to supplier**  
 0 Receipts **Reception of component product from supplier after delivery confirmation**

Deadline Start: 10/01/2019 14:22:35  
 Responsible: Administrator  
 Source: YourCompany  
 Company: YourCompany

Updates PO, Delivery and Receipt qty before confirmation

Product	To Consume	Reserved	Consumed
handlebars	1.000	0.000	0.000
Frame Assembly	2.000	0.000	0.000
Seat	1.000	0.000	0.000

- **Subcontracting Purchase Order:**

Manufacturing Orders / MO/00005 / Purchases / PO00008

Request for Quotation  
**PO00008**

Vendor: bikers.co      Order Date: 07/02/2019 14:34:34

Vendor Reference

Products      Deliveries & Invoices

Product	Description	Scheduled Date	Quantity	Received Qty	Billed Qty	Unit Price	Taxes	Subtotal
Frame assembly labour costing	Frame assembly labour costing	07/02/2019 14:34:34	2.000	0.000	0.000	5,000.00		10,000.00 ₹

Labour qty as per required product qty

Untaxed Amount: 10,000.00 ₹  
Taxes: 0.00 ₹  
Total: 10,000.00 ₹

- **Raw Material Delivery To Supplier:**

Manufacturing Orders / WH/MO/00022 / Deliveries / WH/OUT/00029

WH/OUT/00029

Delivery Address: Deco Addict, Addison Olson      Scheduled Date: 08/07/2023 14:44:25

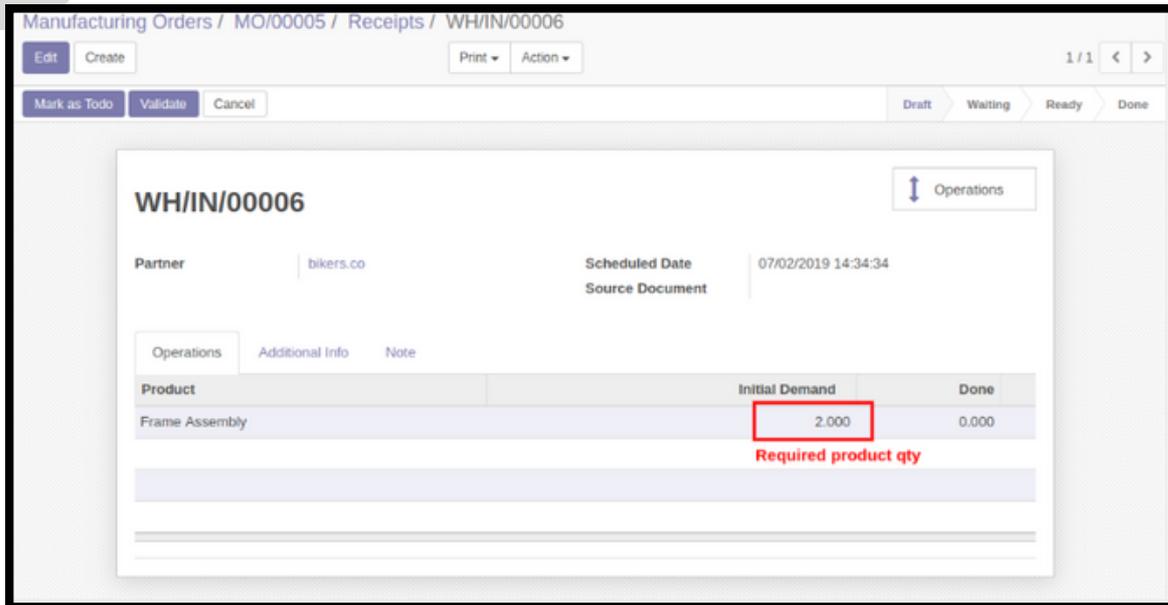
Operation Type: YourCompany: Delivery Orders      Effective Date: 08/07/2023 14:59:10

Source Document

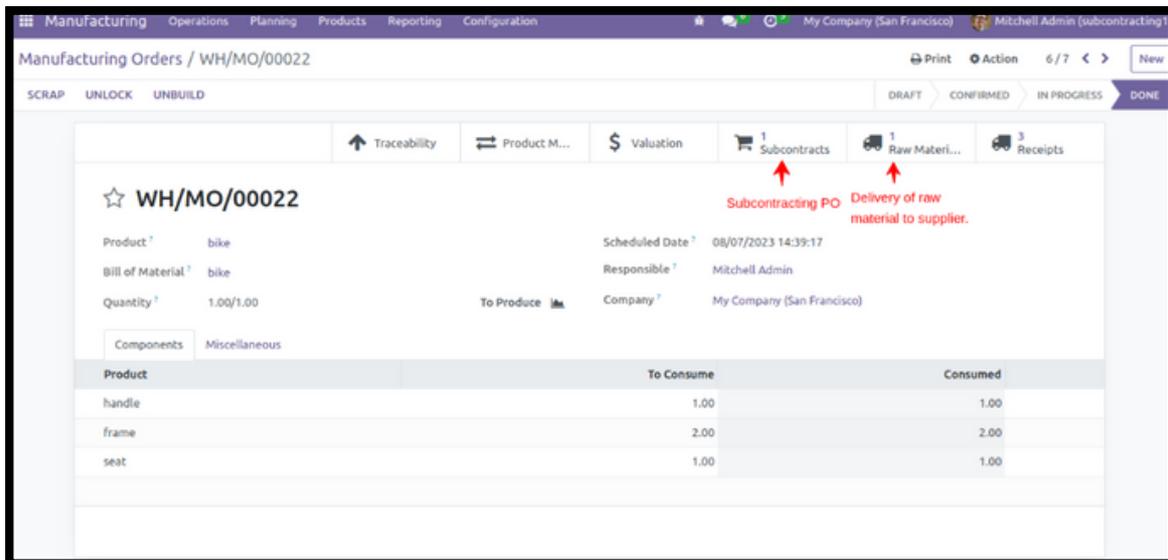
Operations      Additional info      Note

Product	Demand	Done
[CONS_89957] Bolt	2.000	2.000
[CONS_25630] Screw	2.000	2.000

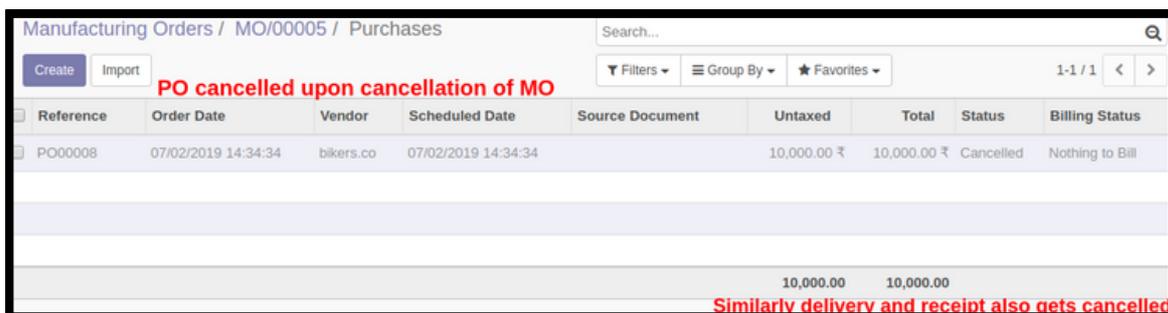
- **Receipt of Component Product from Supplier:**



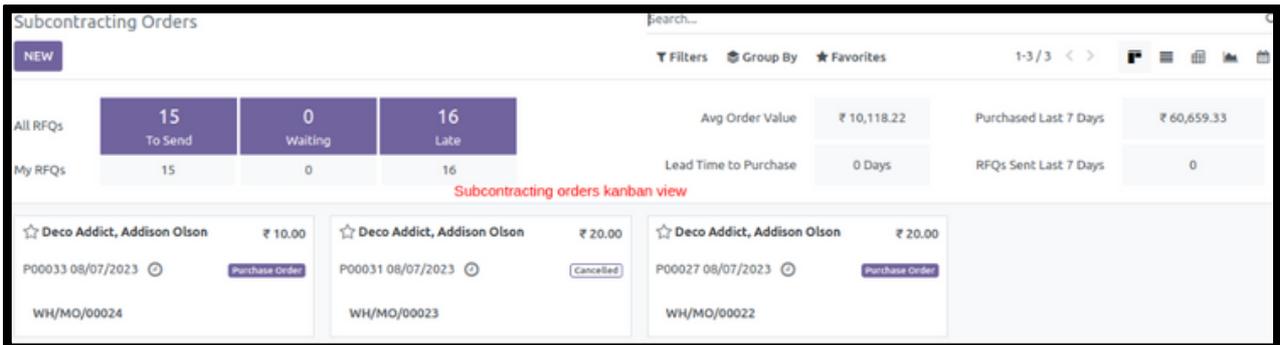
- **Manufacturing Order:**



- **MO Cancellation:**



- **Subcontracting Orders Kanban View:**



- The **Manufacturing Order** can only be marked as **Done** if all the subcontracting processes are completed

# Subcontracting Work Order Module

- This module allows the subcontracting of **Work Orders** or any other **Service Operations** associated with the **Manufacturing** of a product



### Subcontracting in Work Orders

This module helps generate PO for subcontracting services, raw material delivery order to supplier and receipt automatically from work order for subcontracting component product BOM and updates PO, receipt and delivery by updating quantity on the MO.



Manufacturing Orders / WH/MO/00014

Print Action 1/1 < > New

MARK AS DONE PLAN UNRESERVE SCRAP UNLOCK CANCEL DRAFT CONFIRMED IN PROGRESS DONE

☆ WH/MO/00014

Product? Bike2 Scheduled Date? 08/10/2023 19:00:58  
Bill of Material? Bike2 Component Status? Available  
Quantity? 0.00 / 5.00 To Produce Responsible? Mitchell Admin  
Company? My Company (San Francisco)

Components Work Orders Miscellaneous

Op...	Work Ce...	Bill Of Mater...	Product	Quantity	Schedule...	Expe...	Real Dur...	Status	
Handle ...	Assembly Lin.	Handle	Bike2	5.00	300:00	00:00	Ready	Subcontract WorkOrder	Block
Frame s...	Assembly Lin...	Frame	Bike2	5.00	300:00	00:00	Waiting for anot	Subcontract WorkOrder	Block
Add a line									
				600:00		00:00			

Generate PO, Delivery and Receipt as per qty req. in MO one by one.

- The module provides a **Subcontract Work Order** button for the components that are configured to be subcontracted on the manufacturing order form page as seen in the above picture
- When we click on this button it will automatically create **Purchase Order** for raw material, **Receipt** for raw material, **Delivery Order** to deliver them to the subcontracting vendor, **Receipt** for the subcontracted product and then executes the **Manufacturing Order** to create the final **Delivery**
- When any of the above steps are not performed as per configured order then it won't allow the **Manufacturing Order** to be marked as **Done**

# MRP Costing Module

- This module helps in calculating the **Total Cost** of products that are manufactured using the **Material Cost, Labor Costs** and **Overheads**
- It uses the following costing methods to calculate the product cost:
  - **Standard Costing Method**
  - **Average Costing Method**



- It shows the **Material Cost, Labor Cost** and **Overheads** smart buttons on the **Manufacturing Order**
- It shows the **Total Cost of Manufacturing** the product on the product form page

# • Manufacturing Order:

Manufacturing Orders / WH/MO/00014

Buttons: Edit, Create, Print, Action

Buttons: Scrap, Unbuild, Draft, Confirmed, In Progress, Done

Buttons: Traceability, Product Moves, Valuation, Journal Entry, Material Cost, Labour Cost, Overhead Cost

Star icon: WH/MO/00014

Product: Laptop  
 Quantity: 1.00 / 1.00 To Produce  
 Bill of Material: Laptop  
 Work in Progress Cost: 473.96

Scheduled Date: 08/17/2021 18:45:59  
 Responsible: Mitchell Admin  
 Company: My Company (San Francisco)

Annotations:  
 - Journal Entry button: Journal entries of Current Order  
 - Material Cost, Labour Cost, Overhead Cost buttons: Buttons which show different type of used cost in MO  
 - Work in Progress Cost: Calculate cost of Work in progress used cost

Product	To Consume	Consumed
RAM	2.00	2.00
HDD	1.00	1.00
Graphics	1.00	1.00

# • Labor Cost:

Manufacturing Orders / WH/MO/00014 / Labour Cost

Buttons: Create, Filters, Group By, Favorites

Cost Method	Product	Quantity	Average Total Cost
<input type="checkbox"/> Average Cost	Laptop	1	3.96

Annotation: Detail of Labour cost used in current MO

# • Material Cost:

Manufacturing Orders / WH/MO/00014 / Material Cost

Buttons: Filters, Group By, Favorites

Manufacturing Order	Used Material	Quantity	Total Material Cost
<input type="checkbox"/> WH/MO/00014	RAM	2	150.00
<input type="checkbox"/> WH/MO/00014	HDD	1	100.00
<input type="checkbox"/> WH/MO/00014	Graphics	1	200.00
			450.00

# • Overheads:

Manufacturing Orders / WH/MO/00014 / Overhead Cost

Buttons: Create, Filters, Group By, Favorites

Cost Method	Workcenter	Total Overhead Cost
<input type="checkbox"/> Average Cost	Assembly Line 1	20.00
		20.00

Annotation: Detail of Overhead cost used in current MO

# Contact Us



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