

Manufacture

Your business is booming! MyOffice is now a brand known for the quality of their products and services. But lately, you have been feeling the competition from bargain stores who import their furniture from China. To differentiate yourself, you plan to manufacture your furniture on demand. This way you'll improve your margins while producing your furniture faster!

Install the Apps and **activate the settings** to run the following business flow:

Define the Bill of Materials

1

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Manufacture 3 Tables

4

Set up Routings & Work Centers

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Plan a Manufacturing Order

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Manufacture

Define the Bill of Materials

1



Ronnie • Head of Engineering

Hi, we just finished the plans to manufacture the new **Table**. Can you review them?

You



Looks good!

I'll **create the 4 products** in the system, as well as the **Bill of Materials**, according to your plan.

Product: Table - Cost Price 125€ - Sales Price 300€

Component	Quantity	Cost Price
Table Top	1	40€
Table Leg	4	12€
Bolt	4	0.50€



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Purchase Raw Materials

2

You



Hi, can you send me a quotation for **100 table tops, 400 table legs, and 400 bolts?**



Only Woods Inc. • Sales Representative

Sure. Here is our offer.

You



Sounds good, I'll **send you** the **purchase order** by email.



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Receive Products

3



Randall • Inventory Officer

Hello, we just **received the products** from **Only Woods Inc.** There are 400 table legs and 400 bolts, but they only **delivered 80 table tops**. Should I validate the receipt?

You



Yes, **confirm the reception** with a **backorder** for the 20 remaining products. They'll deliver the remaining products later.



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Manufacture 3 Tables

4

You



Ernest, we got all the materials we need to start producing desks. Can you **manufacture 3 tables** for the showroom?



Ernest • Worker

I'm on it.



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Routings & Work Center

5



Sharlene • Manufacturing Engineer

I plan to organize the manufacturing line by creating **2 work centers: Assembly Station, and Painting Room.** Can we put a tablet with instructions on each station?

You



Sounds like a good idea. I'll **create** the **routing "Table Production"** with **2 operations: Assembly and Painting** from the Bill of Materials.



Sharlene • Manufacturing Engineer

Thanks. I created this document to help our workers:
<http://odoo.com/r/worksheet>
Can you **upload this worksheet on the assembly operation?**



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Plan an Order

6

You



Sharlene, our routing is set up. We can **create a manufacturing order** for the table and **plan** the work orders.

When planned, operations become available on the tablet of each work station.



Sharlene • Manufacturing Engineer

I'll **test the work center control panel** at the same time.



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Add a Quality Check

7



Rachel • After Sales Services

Hi, we've got 5 customers complaining about a defect in their table. Looks like the table top separates from the legs after a few months.

You



It's probably related to the bolts. I will **create a Quality control point** on the **assembly operation** to measure the **torque**.

We will ensure that the measure stays **between 11.00 and 15.00 Nm**.



Check your Quality Test

8

You



Sharlene, I added a control point on the assembly operation.



Sharlene • Manufacturing Engineer

That's good, we have to create a new table. We will have the opportunity to test it through the **work center control panel**.

You



FYI, the torque setting measure should be between 11 and 15 Nm.



Control Cost



Anita • Accountant

Hi, to close my fiscal year I need to know the cost of the table we manufacture, including time and materials.

You



Ok, I'll check the **cost structure** on the Bill of Materials for theoretical costs if you want to update it.

