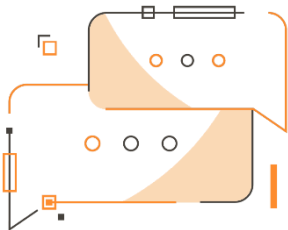# eos solutions

Product Configurator For Manufacturing

create routings and production BOMs with work centers, run times, and BOM's components in Microsoft Dynamics 365 Business Central

Product Configurator For Manufacturing
App for Microsoft Dynamics 365 Business Central

Product Configurator for Manufacturing allows you to create routings and production BOMs with work centers, run times, and BOM's components that vary according to the value of the characteristics in Dynamics 365 Business Central.

Do you want the system to automatically create routings and production BOMs with work centers, run times, and BOM's components that vary according to the value of item characteristics? Do you need to apply conditions at different stages of the routing?

How it works

Thanks to the app Product Configurator For Manufacturing you can:

- Make the system calculate quantities of use through formulas based on characteristic values.
- Condition the presence of a particular **component** with a value-based condition on characteristics.
- Make the system calculate setup / run times through formulas based on the values of the characteristics.

- Condition the presence of a certain **phase** of the routing with a condition based on the characteristics.
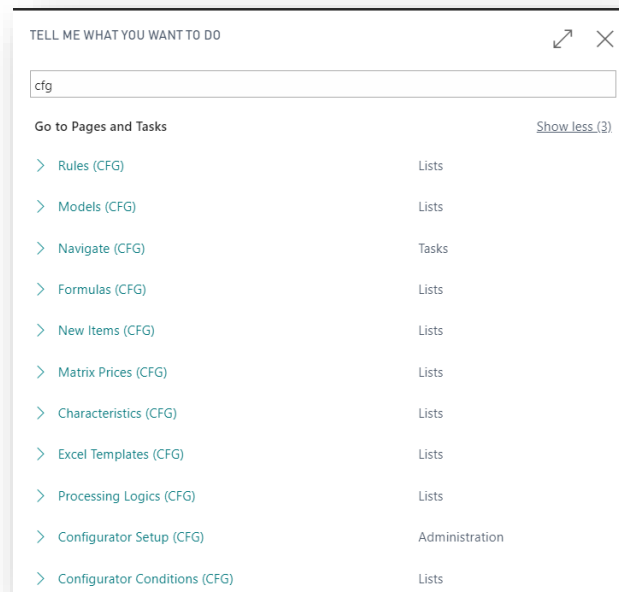
Quick Guide

Ready in a few steps:

1. Enter the Setup in the Item card

2. Let the system generate routings and BOMs

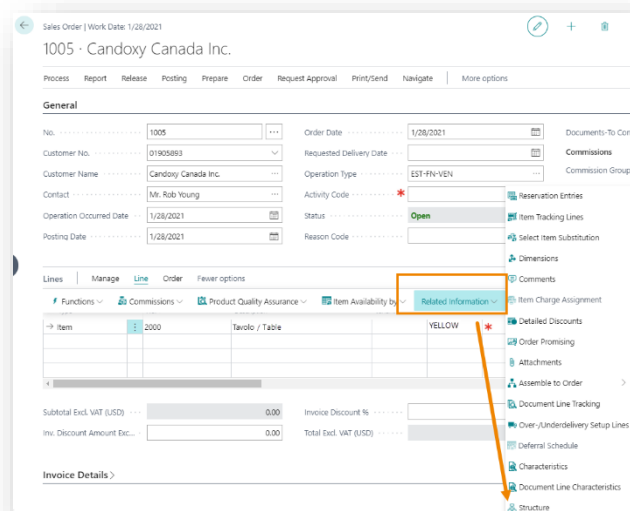3. Link Characteristics and Conditions to the routings

Product Configurator For Manufacturing - SUMMARY

Press ALT + Q and digit "CFG" for a summary of the features involved:

Setup Item and Bills of Materials structure

Within the Order, for items that are created by the Configurator, the system generates the BOM. We open it from Line->Related Information-> Structure:
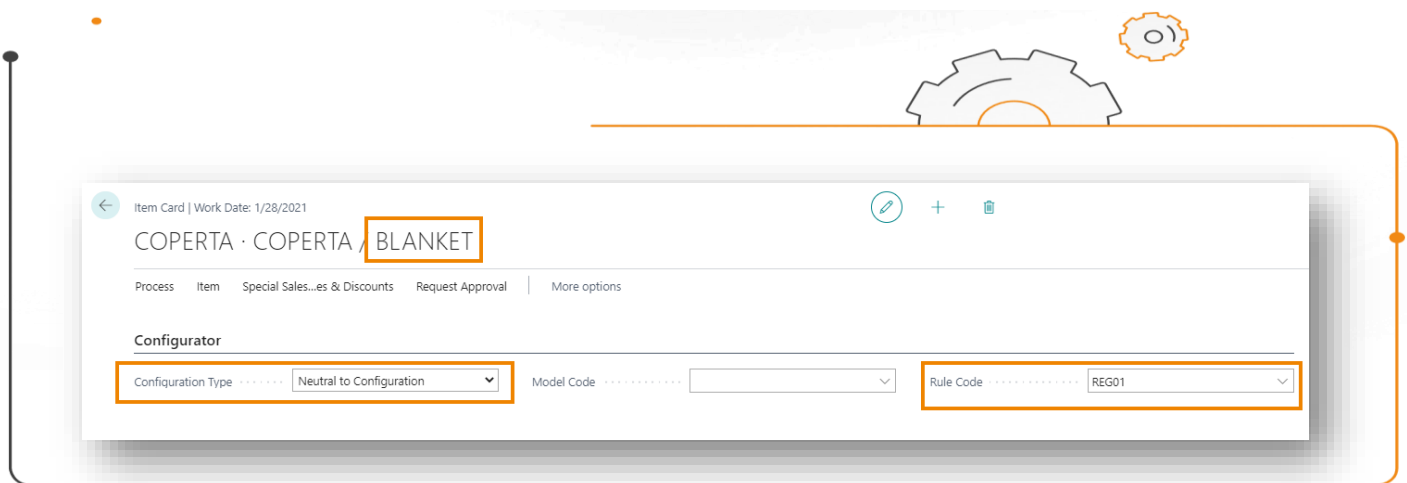
The BOMs you create are **multilevel**.

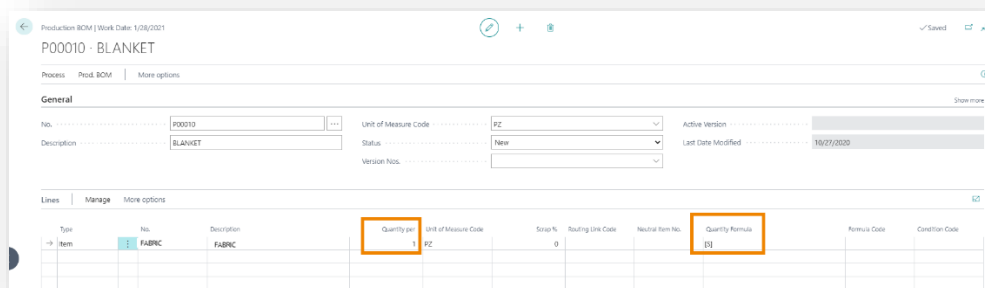In order to use the Configurator, it is necessary to start from a "neutral" item and in the item card you need to

- enable the **Configurator Management** (select "Neutral to Configurator")

- define a Rule Code

In addition, this production item must be associated with a **Routing** that is also considered neutral and a neutral **BOM**.

Bill of Material

The Bill of Material (BOM) of the neutral item contains a single item (e.g. Fabric) whose quantity will be equal to the characteristic S=surface (square meter)

In the **configured BOM** the system replaced the code (Fabric C 01), the item and the quantity of use (2):

Routing

The example for the neutral item contains three tasks with specific setup and run times. The phases can be linked to **Conditions** or **Characteristics**.

Second and third phase are conditioned to a Condition Code and a Characteristic Code:

The phases can also be linked to a **Processing Logic Code**, which binds Characteristic Code and Condition Code allowing you not to have too many lines within the neutral article.

Subscription

Some features of the Product Configurator For Manufacturing app require a subscription.

The subscription can be activated from Subscription control panel or directly from the notification messages that the system proposes, by clicking on the link that allows you to start the subscription wizard

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