

# Packaging Prototype Workflow

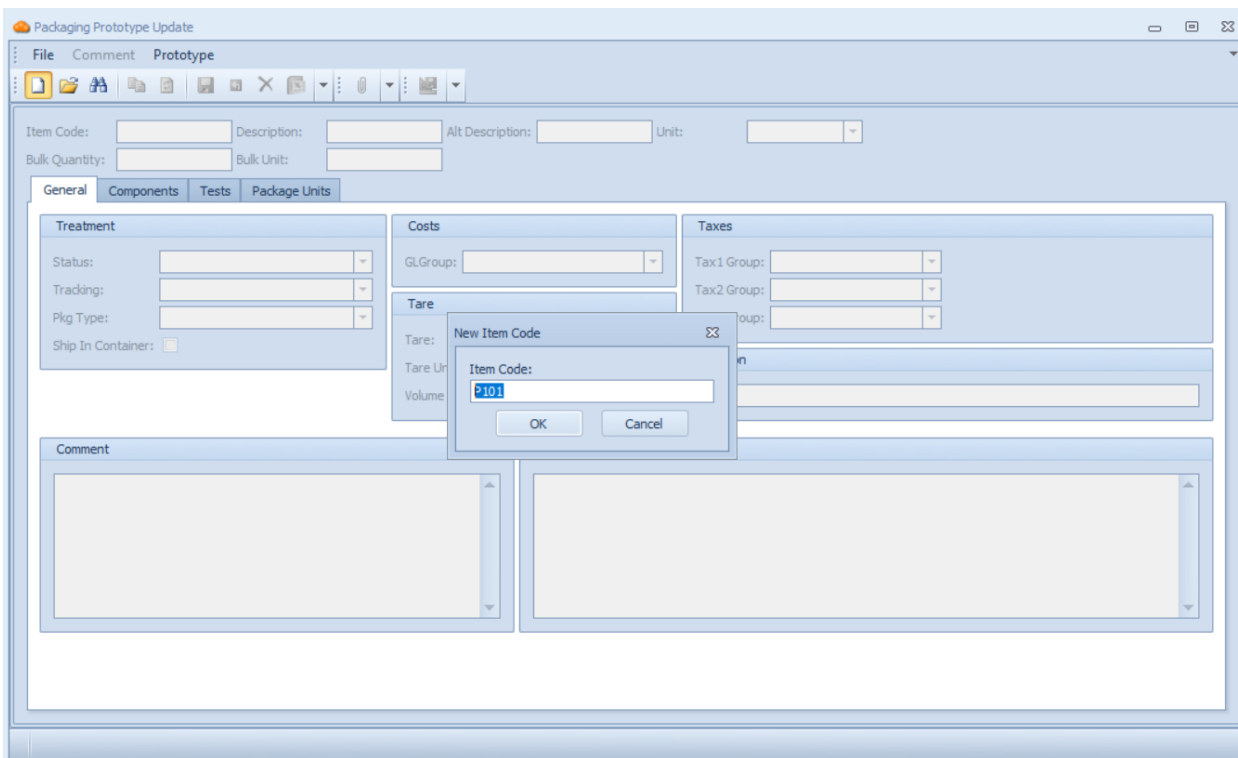
The Packaging Prototype program allows you the ability to create a packaging template for a specific set of products. For example, a paint company could use the program to create a template that uses a can of a certain size and its respective lid; the only difference between products would be the label and the actual paint inside. For a bakery the template could be composed of a biscuit tray and a shipping case; the differences between products would be the biscuits on the tray and the packaging wrapper.

This workflow requires the user to be comfortable with the Item Update and the Batching Order programs. For more information about these programs please refer to the appropriate Work Instruction documents.

## Packaging Prototype Update

The first step is to create a Packaging Prototype. On the Main Menu select *Master Tables >> Item Updates >> Packaging Prototype Update*.

Select **New** and assign an **Item Code** to this Prototype.



Assign a Description and a Unit.

Item Code:  Description:  Alt Description:  Unit:

In the **Components** tab, add all the components and the quantities required to make this packaging prototype.

\* - Packaging Prototype Update

File Comment Prototype

Item Code:  Description:  Alt Description:  Unit:

Bulk Quantity:  Bulk Unit:

General Components Tests Package Units

Ingredient	Description	Recipe Qty
P099	300g wrapper	1.000 ea
▶ P004	Sandwich Cookie Case	1.000 ea
*		

Save when complete.

## Assigning a Prototype to an Item - Item Update

The next step is to assign the created prototype to the relevant items. Open **Item Update** and find the *Bulk Item* you wish to assign this prototype to. For the example of a paint company, this will be paint; for bakeries this might be a type of biscuit.

In the **Packaged Products** tab, enter all the different kinds of packaging prototypes this product might be packaged as.

B100 - Item Update

File Comment Prototype

Item Code:  Description:  Alt Description:

Handling and Planning Grouping and Labels Testing Financial Packaged Products Shipping Chemicals and Safety Components

Prototype	Product	Description	Quantity	Label	Weight
P101	B100-300 G CHOCO	Sandwich Cookies - Chocolate	300.000 g	P200	300.000 g
I P101	B100-300 MOCHA	Sandwich Cookies - Mocha	300.000 g	P201	300.000 g
*					

The **Label** column also allows for a single packaging item to differentiate between the prototypes. In this case they are differentiated by having a chocolate and mocha label.

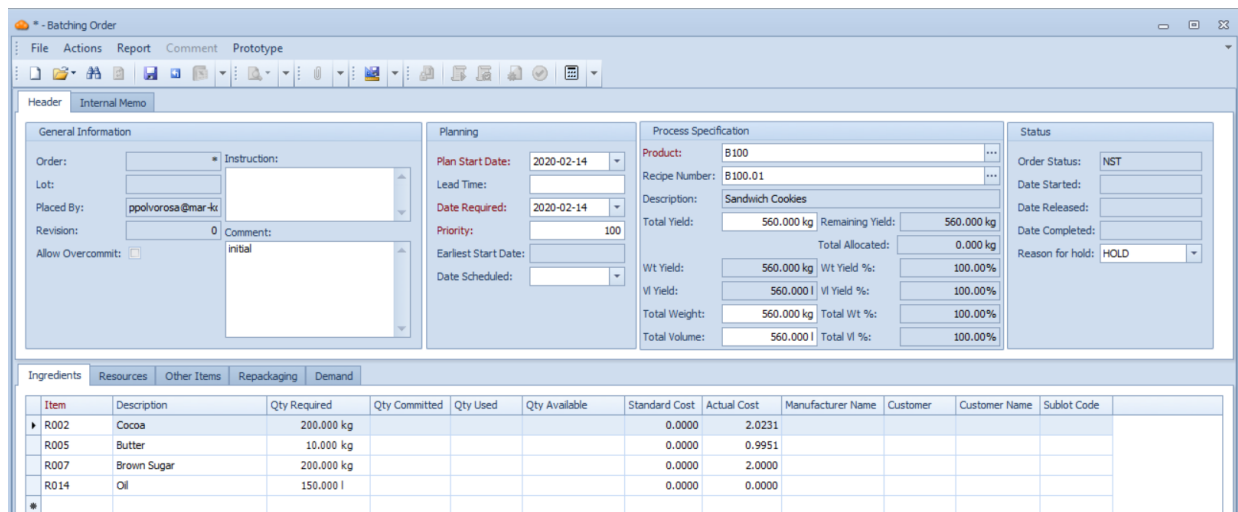
Note that the way to identify each SKU would be to modify the **Product** and **Description** columns as necessary.

## Establishing Demand

The next step is to enter into the system the amount of different kinds of packaged products you wish to create using the bulk item.

Open the **Batching Order** program and create a New order for the Bulk Product that contains the Packaged Products that you just assigned.

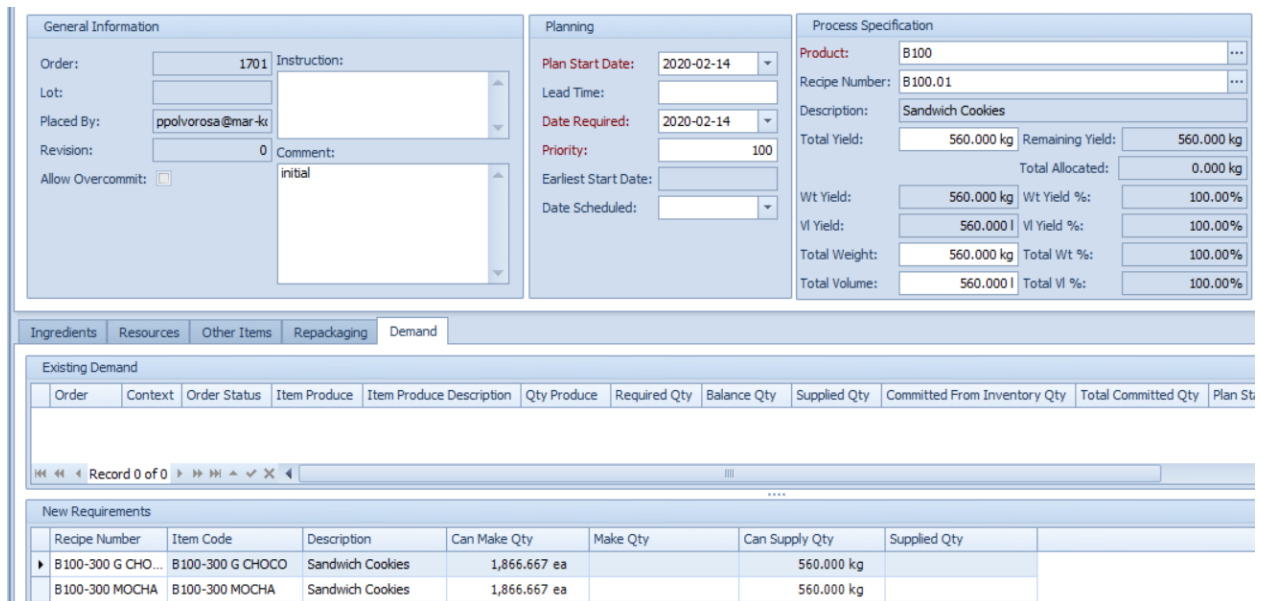
Configure the Order as needed.



The screenshot shows the 'Batching Order' window with the following data:

Item	Description	Qty Required	Qty Committed	Qty Used	Qty Available	Standard Cost	Actual Cost	Manufacturer Name	Customer	Customer Name	Sublot Code
R002	Cocoa	200.000 kg				0.0000	2.0231				
R005	Butter	10.000 kg				0.0000	0.9951				
R007	Brown Sugar	200.000 kg				0.0000	2.0000				
R014	Oil	150.000 l				0.0000	0.0000				

Save when complete. You will notice that the Demand tab now has content.



The screenshot shows the 'Demand' tab with the following data:

Order	Context	Order Status	Item Produce	Item Produce Description	Qty Produce	Required Qty	Balance Qty	Supplied Qty	Committed From Inventory Qty	Total Committed Qty	Plan St
Record 0 of 0											

Recipe Number	Item Code	Description	Can Make Qty	Make Qty	Can Supply Qty	Supplied Qty
B100-300 G CHO...	B100-300 G CHOCO	Sandwich Cookies	1,866.667 ea		560.000 kg	
B100-300 MOCHA	B100-300 MOCHA	Sandwich Cookies	1,866.667 ea		560.000 kg	

In this example, based on the standard yield of 560 kg of Sandwich Cookies, the system has automatically calculated that you can make 1866 each of either the 300 g Chocolate or the 300 g Mocha variants.

In the Make Qty column you may enter the amount you wish to make of each.

New Requirements							
Recipe Number	Item Code	Description	Can Make Qty	Make Qty	Can Supply Qty	Supplied Qty	
B100-300 G CHO...	B100-300 G CHOCO	Sandwich Cookies	1,000.667 ea	1,000.000 ea	300.200 kg	300.000 kg	
▶ B100-300 MOCHA	B100-300 MOCHA	Sandwich Cookies	866.667 ea	866.000 ea	260.000 kg	259.800 kg	

This may also work the other way. Suppose there is a demand to make 2000 eaches of Chocolate Cookies and 1500 eaches of Mocha Cookies. The system would automatically calculate the amount needed for each, in terms of extra yield and you may now enter the necessary required yield.

New Requirements							
Recipe Number	Item Code	Description	Can Make Qty	Make Qty	Can Supply Qty	Supplied Qty	
B100-300 G CHO...	B100-300 G CHOCO	Sandwich Cookies	366.667 ea	2,000.000 ea	110.000 kg	600.000 kg	
▶ B100-300 MOCHA	B100-300 MOCHA	Sandwich Cookies	-133.333 ea	1,500.000 ea	-40.000 kg	-450.000 kg	

The table shows that the total yield required for this demand is 600 kg + 450 kg = 1050 kg. Enter this yield in the **Process Specification** section.

Process Specification	
Product:	B 100
Recipe Number:	B 100.01
Description:	Sandwich Cookies
Total Yield:	1,050.000 kg
Remaining Yield:	0.000 kg
Total Allocated:	1,050.000 kg

Just like a standard Batching Order, modifying the order yield would also automatically change the required quantities for its ingredients

Ingredients		
Item	Description	Qty Required
▶ R002	Cocoa	375.000 kg
R005	Butter	18.750 kg
R007	Brown Sugar	375.000 kg
R014	Oil	281.250 l

Save when complete and Release the Order as per usual. You may also proceed through Batching Execution as before.