

# Managing BOM

Explanation of beas Bill of Material Master Data

Boyum Solutions IT A/S

**Beas Tutorial** 

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#### 1. INTRODUCTION

Bill of Materials, also known as BOM, is a set of all raw materials, subassemblies, intermediary components and bought parts that are used in the manufacturing or assembly processes of an item. This is also known as a recipe, depending on the manufacturing industry.

For each material listed in the bill of materials, the user can define the quantity needed to produce the finished product.

In beas, inside an item's bill of materials, we will find a list of all materials and their corresponding quantities, units of measure, warehouses, scrap rates (amongst other settings), as well as the link between bill of materials and the specific production operation in which each component will be used, ensuring the possibility to plan material requirements according to production scheduling.

Since a bill of materials can include subassemblies, we can have several levels of productions inside a finished product's bill of materials. Beas can manage all production levels within the same work order, by creating related production positions that makes it easy to view all the assemblies that need to be produced to finish the production of an item without the need to look into different screens.

However, in the case that subassemblies are shared amongst several different finished products, carefully structuring the bill of materials can provide a great advantage in the production planning activities, since the production requirements for the subassemblies can be consolidated by the MRP tool in a separate work order.

IMPORTANT: In **discrete manufacturing**, bills of materials normally have several production levels linked to each other. In beas, the bill of materials can be configured to automatically create production positions for subassemblies or to allow separate planning of subassemblies production.

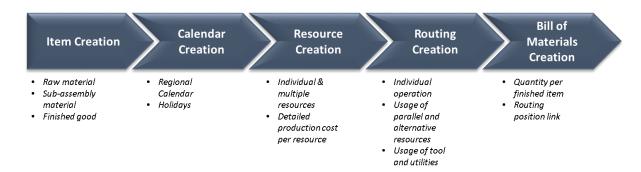
IMPORTANT: In **process manufacturing**, that is the production of goods that are typically produced in bulk quantities as opposed to discrete and countable units (normally associated with formulas and manufacturing recipes), bill of materials normally have one or only a few production levels linked to each other, and subassemblies are generally shared among several different finished products. In beas, we can configure the bill of materials to not automatically create production positions for subassemblies, allowing separate planning of subassemblies production using MRP.

In this document, the user will learn how to set up and manage the bill of materials in beas.

Additionally, it is possible to assign material to the routings, to determine the specific step of the production process in which they have to be consumed.

### 2. PROCESS

To navigate through the bill of materials (BOM) master data, it is essential to follow the correct flow of the process: "**Building an Item Structure**" For more information, please refer to the *Item Structure* tutorial.



So far, we have answered the first question:

- 1. "What are we producing?" answered in the Item Master Data Tutorial
- 2. "When are we producing?" answered in the Calendar Master Data Tutorial
- 3. "Where are we producing?" answered in the *Resources Master Data* Tutorial.

Bill of materials will help us answer the fourth question regarding the manufacturing process which is:

#### "How are we producing?"

This question involves two concepts:

- Routings are where we define standard production times, parallel or alternative resources. This concept is explained in the *Routing Master Data* tutorial.
- Bill of materials is where we define the recipe or the list of component parts to produce the finished good or sub-assembly.

In this section, we navigate through the most relevant fields when creating a bill of material in beas. In the Field Guide section, we include all fields available in the bill of materials master data.

In beas, there are three ways to access an item's bill of materials:

PATH: Inventory > Item structure > Double click the item where user wants to include a bill of materials > Go to the *Bill of Materials* Tab > Click on *New* (for new bill of materials) or *Edit* (for existing bill of materials). This will be detailed later in this document.

In the Item Structure Report, it is possible to view the bill of materials linked to each item as well as the planned quantities and Units of Measure.

By double clicking on any bill of materials' positions, a new screen is opened with the details from the position.

Item structure						
Item no., Resource, 	op, sequ.	Brief Description, Activity Finished Good 01 - Storage Rel Semi-finished 01	ated	Quantity 3Piece	Setup JT	Drawing number 🔺
▲20 PK003	Bill of Materials Item for	FG001				
20 Packo	Position Item 🛋	20 PK003	I-Version	Active Manually		
FG003	Description Drawing number	Package Item 03				
🕐 00	General Extended					
PK002 PK003	Quantity	1 Piece	▼ Per		1.0000 Piece	
PK004 PK005	Fixed quantity surcharge Scrap %		Piece			
A RM001	Rounding type	Rounding up 💌	Rounding dec.		0	
A RM002	Routing-position	<b>•</b>	Warehouse	01	-	
RM002	Length	0.000	UDF1			
	Width / OD	0.000	UDF2			
🍅 RM004	Height / ID	0.000	UDF3			
RM005			UDF4			
	Info					
<	Additional text					
	<u>O</u> K C <u>a</u> n	cel <u>N</u> ew Dejete				۷

TIP: At the *Bill of Materials* tab, the user can view relevant information of the bill of materials' position related to the item master data selected. It is also possible to:

- Check the current bill of materials for the item
- Add new bill of materials' positions
- Change existing positions
- Delete positions
- Change the positions' sorting and numbers

Active
_

It is possible to view more information from the bill of materials screen; the user can activate more columns in the *Window settings*. To access the window setting, just right click on an empty part of the window and select *Window Settings*.

PATH: Inventory > Item Structure > Right click and select *bill of materials:edit* (for existing bill of materials) or select *bill of materials:New* (for new bill of materials).

Item structure							_ □	×
Item no., Resou	irce, op. sequ.	Brief Description, Activ	ty	Quantity	Setup	τι	Drawing number	^
🗄 🧰 FG001		Finished Good 01 - Storag	e Related					
🕂 🕂 💼 10 SF0	01	Semi-finished 01		3 Piece				
A20 PK0	03			1 Piece				
🕂 🎲 10 Blist	1 🛄 🖼 🚹	) 崖 🚺 🦠			1.000	20.000		
🔹 20 Pack	k01 Notent.H	listory PK003			0.500	1.000		
+ FG002	🚔 Bill of Ma	terials: Edit: FG001	ated					
FG003	🍋 Bill of Ma	terials: New Position: FG001	onfigurator					
🧰 merge	🍅 Bill of Ma	terials: Edit: FG001 Position: 20						
00	X Bill of Ma	terials: Delete: FG001 Position: 20						
🍅 РКОО1	📫 Item: Ed	it: PK003						
🍅 РК002	🚔 Routing:	Edit: FG001						
🍅 РКООЗ	🍅 Operatio	n: New Position: FG001						
🍅 РКОО4	Copy Se	lection						
🍅 PK005	X Cut Sele							
🍅 RM001	Expand							
🍅 RM002	<b>E 2</b>	or Structure						
🍅 RM003								
👘 RM004		report						
RM005								

TIP: If the user only wants to display the item structure with the bill of materials linked to the item, the user may expand the item. In this screen, it is possible to view:

- Quantities per finished good
- Subassemblies (if applicable)

em structure				
Item no., Resource, op. sequ.	Brief Description, Activity	Quantity	Setup	JT Drawing number
🦳 FG001	Finished Good 01 - Storage Related			
: 	Semi-finished 01	3 Piece		
	Package Item 03	1 Piece		
🕂 🔐 10 Blist1	Operation 01		1.000	20.000
20 Pack01	Operation 02		0.500	1.000
FG002	Finished Good 02 - Order Related			

ALTERNATIVE PATH: Inventory > Bill of Materials > Click on *New* to create a new bill of materials (this is mostly used for version control). For more information, please refer to *Version Control:Setup* and *Version Control:Usage* tutorials.

#	. Bill of Materials ID	For Item	Description	Drawing number	Routing	Match code	Changing allowed	Release	Locked F	Remarks	
	FG001	⇔	Aspirin box 36 tablets - Local market								
2	FG002	4	Aspirin box 48 tablets - Special label				$\checkmark$	$\checkmark$			
8	SF001	SF001	Aspirin capsule				$\checkmark$	$\checkmark$			
1	SF002	4	Aspirin blister 12 tablets				$\checkmark$	$\checkmark$			
	Edit End	New D	elete Positions								

TIP: This will open the bill of materials master data. In this screen, it is possible to:

- Edit existing bill of materials
- Create new bill of materials (which is particularly useful when working with version control)
- Delete bill of material positions

There are many options available in the buttons and right click menu that are meant to make it easy when changes have to be made in the bill of materials. In this section we will explore the most commonly used options. For more information about these options, please refer to *Item Structure Functions* tutorial.

Master Data Bil of Materials Routing Configurator Quality control     I 10 Piece SF001 Semi-finished 01 3 10   2 20 Image: Configurator Piece SF001 Semi-finished 01 3 10   2 20 Image: Configurator Piece SF001 Semi-finished 01 3 10   2 20 Image: Configurator Piece SF001 Semi-finished 01 3 10   2 20 Image: Configurator Piece Semi-finished 01 3 1 10   2 20 Image: Configurator Piece Piece Piece Piece   2 Search Piece Search Piece Piece   3 Image: Configurator Piece Piece Piece   4 Piece Piece Piece Piece   5 Piece Piece Piece   6 Piece Piece   10 Piece Piece   10 Piece Piece   10 Piece Piece   10 Piece Piece   11 Piece Piece   11 Piece Piece   11 Piece   11 Pie	10
10 Piece \$F001 Semi-finished 01 3 10   20 Image: Second sec	10
20 Package Item 03     Edit     Search   new   Delete   Window Settings   Bil of Materials Administration   Duplicate to   Insert From   renumber   save Sorting   Activity log   Formula allocation for active input   Invent.History   alternative Material   Import	10
2 20   Exit   Search   new   Delete   Window Settings   Bil of Materials Administration   Duplicate to   Insert From   renumber   save Sorting   Activity log   Formula allocation for active input   Invent.History   alternative Material   Import	
Edit         Search         new         Delete         Window Settings         Bill of Materials Administration         Duplicate to         Insert From         renumber         save Sorting         Activity log         Formula allocation for active input         Invent.History         alternative Material         Import	
Search new Delete Vindow Settings Bill of Materials Administration Duplicate to Insert From renumber save Sorting Activity log Formula allocation for active input Invent.History alternative Material Import	
new Delete Undow Settings Bill of Materials Administration Duplicate to Insert From renumber save Sorting Activity log Formula allocation for active input Invent.History alternative Material Import	
Delete         Window Settings         Bill of Materials Administration         Duplicate to         Insert From         renumber         save Sorting         Activity log         Formula allocation for active input         Invent.History         alternative Material         Import	
Bill of Materials Administration Duplicate to Insert From renumber save Sorting Activity log Formula allocation for active input Invert.History alternative Material Import	
Bill of Materials Administration Duplicate to Insert From renumber save Sorting Activity log Formula allocation for active input Invent.History alternative Material Import	
Insert From renumber save Sorting Activity log Formula allocation for active input Invent.History alternative Material Import	
Insert From renumber save Sorting Activity log Formula allocation for active input Invent.History alternative Material Import	
save Sorting Activity log Formula allocation for active input Invent.History alternative Material Import	
Activity log Formula allocation for active input Invent.History alternative Material Import	
Formula allocation for active input Invent.History alternative Material Import	
Invent.History alternative Material Import	
alternative Material Import	
Import	
Last Messages	

**Delete Position:** Option used to delete a position. This can be done in single and multiple ways. For single deletion, the user can select the line to be deleted and click the *Delete* button, or right click on the line and select *Delete*.

*Reorder Positions:* Option used to reorder positions. To reorder the bill of materials' lines, the user can select the line to reorder and move it to the desired position by clicking and holding the position number.

*Renumber:* Option used to renumber positions. After sorting the lines, right click on the position numbers and select *renumber* for beas to recalculate the positions' numbers.

To create a new bill of materials position in the *Bill of Materials* tab in the item master data, just click on the *New* button. Bill of materials positions will be created without any content. In order to add content to this row, it is mandatory to start selecting the item type in the *Item* column. The material can be selected by right clicking on the *Item* column, choosing whether the material is a purchased or assembly item, and selecting it from the list. After selecting the material, beas will automatically fill some fields such as description.

lte	m s	tructure										
	Mas	ter Data	Bill	of Materials		Routing	Configurator	Quali	ty control			
#		Position	UoM	Item		I-Versi	on Description					
1		10	Piece	SF001	<b>~</b> .		Semi-finished	01				
2		20	Piece	PK003	·	Insert: Assembly						
3		30			🌍 Inse	🍅 Insert: Purchased Item						

The field can be edited directly in the bill of materials line or by editing the bill of materials position in a new screen by double clicking the line, selecting the line and clicking on the *Edit* button, or right clicking on the line and selecting *Edit*.

In the bill of materials position screen, it is possible to insert additional information that is not available by default, by directly editing in the bill of materials tab in Item Master Data.

## 2.1. Header

In the header area of the screen, the user can find general information of the bill of materials position:

Bill of Materials It	em for	FG001				
Position Item	⇒	10 SF001	I-Version	Acti Man	ive 🗹 nually	
Description Drawing number		Semi-finished 01				

*Position:* Field used to sort in the bill of material tab from the item master data. It is a consecutive number, but not a primary key.

*Item:* Field used to store the item number of a material, an assembly, or a phantom assembly.

**Description:** Field used to give the bill of materials position a short description.

**Active:** Field used to enable or disable the material position. If the field is checked, the material position is active for beas processes. If the material is no longer used in the bill of materials, the field should be unchecked.

# 2.2. General tab

The following tab includes fields related to the manufacturing process:

Bill of Materials Item for	FG001					_ 🗆 🗙
Position Item Description Drawing number General Extended	10 SF001 Semi-finished 01		I-Version	Active Manually		
Quantity Fixed quantity surcharge	3 Piece	▼ Piece	Per		1.0000 Piece	
Scrap %	No escertar a		Deve dia a dara			
Rounding type Routing-position	No rounding		Rounding dec. Warehouse	SM	0	
Length	0.000		UDF1	514	•	
Width / OD	0.000		UDF2			
Height / ID	0.000		UDF3			
			UDF4			
Info						
Additional text						
<u>O</u> K C <u>a</u> nd	cel <u>N</u> ew Delete					

Quantity: Field used to input the raw material quantity necessary.

*Unit of Measure:* Field used when the position uses a different unit of measure than the standard definition. When changing the raw material's unit of measure, a new field called *Factor* will appear.

*Per:* Field used to input the number of finished products produced with the quantity of materials required. This field can be set to a specific value to be automatically included by default. This can be done in the <u>Configuration</u> <u>Wizard</u>.

<u>Example</u>: If 100 units of a raw material are required to produce 20 units of finished product, the fields will be filled as follows:

- Quantity = 100
- *Per* = 20

When creating a work order for 30 units of finished product, beas will calculate a requirement of 150 units of raw material.

*Rounding type:* Field used to set a rounding method for each bill of materials position. This field can be defined as follows:

- No Rounding for no rounding at the calculated units
- Rounding at .5 for rounding the first or second decimal in intervals of .5
- *Rounding Up* for rounding the defined decimal up to the next decimal or integer number, according to the definition at *Rounding dec.* field
- *Multiple of* for rounding always at values in multiples to the value defined by *Multiple of*

*Routing-position:* Field used to link a material to a routing position, for use in the specific production operation. Here, the user selects the routing position in which the material should be used.

Warehouse: Field used to set a warehouse where the material position should be used. In case this field is not changed, then beas will always select the material's standard warehouse. Additionally, it is possible to set specific measures for this component in the fields Length, Width / OD, and Height / ID.

sition	10	I-Version	Active	$\checkmark$
em 📫	SF001		Manually	
escription	Semi-finished 01			
awing number				
General Extended				
rea of validity		Breakdown	always	•
ate From		<ul> <li>Issue remains from qty</li> </ul>		Piece
ate To		<ul> <li>Only Reservation Booking</li> </ul>		
Version From		<ul> <li>Don 't post scrap</li> </ul>		
Version To		<ul> <li>Planning method</li> </ul>	Automatically	•
Version Range		Picture		•
		Color		•
		Synchronization	Yes	<b>•</b>
			Yes	•

# Extanded tab

Breakdown: Field used to determine whether beas should automatically create a production position for this subassembly or not. There are 3 options available:

- No beas will never create a production position for the subassembly inside the work order of the finished product, and the production of the subassembly should be created manually or using MRP.
- Always beas will always create a production position for the subassembly, even if there is enough stock for it or not.
- Only Shortage beas will only create a production position for the subassembly if there is not enough stock.

IMPORTANT: This field is only visible if the selected component is a storage related subassembly.

Planning method: Field used to consider this material in the MRP execution. If the user does not want to consider it in the MRP, the value must be in "No". By default, it uses the value "Automatically" that will apply the definition from the material's master data.

Synchronization: Field used to set the behavior of the Data Integration Hub. There are three options available:

- Yes will make the Data Integration Hub delete and recreate this position when importing bill of materials positions for the finished product that it is related to
- *Not Delete* prevents the Data Integration Hub from deleting this position, but not from updating the position data
- No will prevent the Data Integration Hub from deleting or updating this position

IMPORTANT: The recommended setting for Synchronization is the standard option "Yes".

## 3. SPECIAL CASES

In this section, we will talk about setting up alternative items. An alternative item is where the user can define that instead of consuming one item A, two items B can be used.

If there are alternative items, these are displayed in the item structure with the replacement icon.

IMPORTANT: Item version is not supported when using alternative items.

After setting up the bill of materials positions, it is possible to include alternative materials for each bill of materials position. In beas, multiple alternative items can be set up for the same bill of materials position.

PATH: Item master data > Bill of Materials tab > right click on a bill of materials position in the fields *Position* or *Quantity*, and click on *Alternative Material* 

lte	m s	tructure														(
	Mas	ter Data	Bill	of Materials	Ro	outing	Configurator	Quality control								
#		Position	UoM	Item		I-Versio	n Description			Quantity Manually	Scrap %	Routing	pos	Active		
1		10	Piece	SF001			Semi-finished 01			3				$\checkmark$		
2		20	Piece	PK003			Package Item 03	1		1						
		alter	native l	Material												
		Item	number		Description			Quantity UoM	Info		Manufacturer	C	Drawing (	number		
		pk002	2		Package Item	1 02		1.00 Mt			- No Manufactur	er -				
			<u>о</u> к	Ca	incel	New	Delete									~

To include an alternative item, please follow the steps:

1. Click New to add new alternative material lines.

Master Data	Bill	of Materials	Routing	g ( (	Configurator	Qualit	ty control					
Position	UoM	Item	I-V	/ersion	Description			Quantity	Manually	Routing pos	Active	
10	Piece	SF001	=		Semi-finished 01			3				
20	Piece	PK003	=		Package Item 03			1			$\square$	
lternative M	aterial											
em number		Description			Quantity	UoM	Info		Manufact	turer	Drawing number	
1005												
M005		Raw Material 05			1.0000	ml			- No Mar	ufacturer -		
		Raw Material 05	_		1.0000	ml			- No Mar	ufacturer -		>
		Raw Material 05	Deļ	ete	1.0000	m			- No Mar	nufacturer -		>
< Vpdate			Dej	ete	1.0000	mi			- No Mar	nufacturer -		

2. After adding a new line, the user can right click on the Item number field to select an alternative component.

alternativ	e Material
Item	Description
PK003	Package Item 03
PK004	Package Item 04
PK005	Package Item 05
	Y
Upda	te C <u>a</u> ncel <u>N</u> ew Delete

3. Fill the required quantity.

alternative Materi	al					_ 🗆 🗙
Item number	Description	Quantity UoM	Info	Manufacturer	Drawing number	
RM005	Raw Material 05	1.0000 ml		- No Manufacturer -		
PK003	Package Item 03	Piece		- No Manufacturer -		
<						>
Update	C <u>a</u> ncel <u>N</u> ew Delete					۷

4. If needed, add comments in the *Info* field.

alternative Mater	ial				X
Item number	Description	Quantity UoM	Info	Manufacturer Drawing number	
RM005	Raw Material 05	1.0000 ml		- No Manufacturer -	
PK003	Package Item 03	1 Piece		- No Manufacturer -	
<					>
Update	Cancel <u>N</u> ew Delete				2

5. Click on Update and Ok to close the screen.

Alternative materials can be selected directly from the work orders or from the MRP, after executing the calculations.

### 4. FIELDS GUIDE

To create a new bill of materials position in the *Bill of Materials* tab in the item master data, just click on the *New* button. Bill of materials positions will be created without any content. In order to add content to this row, it is mandatory to select the item type in the *Item* column. The material can be selected by right clicking on the *Item* column, choosing whether the material is a purchased or assembly item, and selecting it from the list. After selecting the material, beas will automatically fill some fields such as description.

PATH: Inventory > Item structure > Double click on the item the user wants to include in a bill of materials > Go to the *Bill of Materials* Tab > Click on *New* (for new bill of materials) or *Edit* (for existing bill of materials).

Position     UoM     Item     I-Version     Description       10     Piece     SF001     Semi-finished.01       20     Piece     PK003     Insert: Assembly       30     Insert: Purchased Item	10     Piece     SF001     Semi-finished 01       20     Piece     PK003     Insert: Assembly	ſ	Mas	ter Data	Bill	of Materials		Routing	Configurator	Quality control		
20 Piece PK003 Insert: Assembly	20 Piece PK003 Insert: Assembly	ŧ		Position	UoM	Item		I-Versi	on Description			
20 Piece PR003	20 Piece PK003			10	Piece	SF001						
30 Insert: Purchased Item	30 Insert: Purchased Item			20	Piece	PK003						
				30			🍈 Inse	Insert: Purchased Item				

Field can be edited directly in the bill of materials line or by editing the bill of materials position in a new screen by double clicking on the line, selecting the line and clicking on the *Edit* button or right clicking on the line and selecting *Edit*.

In the bill of materials position screen, it is possible to insert additional information that is not available by default.

#### 4.1. Header

In the header area of the screen, the user can find general information about the bill of materials position:

Bill of Materials Item	n for l	FG001	
Position Item	⇒	10     I-Version     Active       SF001     Manually	
Description Drawing number		Semi-finished 01	

**Position:** Field used to sort in the bill of material. For more information, please refer to the field *Position* in the Process section of this document.

Item: Field used to store the item number of a material, an assembly, or a phantom assembly.

**Description:** Field used to give the bill of materials position a short description.

**Drawing number:** Field used to add the technical drawing number. This field cannot be changed because it automatically comes from the item selected (if applicable).

*I-Version:* Field used to select a version number. For more information, please refer to *Version Control: Setup* and *Version Control: Usage* tutorials.

**Active:** Field used to enable or disable the material position. For more information, please refer to the field Active in the Process section of this document.

*Manually:* When activating this field, the component's description can be changed specifically for this bill of materials position. Doing this will enable the two fields *Description* and *Drawing Number*.

### 4.2. General tab

The following tab includes fields related to the manufacturing process:

Bill of Materials Item for	FG001					_ 🗆 ×
Position Item 📫	10 SF001		I-Version	Active Manually		
Description	Semi-finished 01					
Drawing number						
General Extended						
Quantity	3 Piece	-	Per		1.0000 Piece	
Fixed quantity surcharge Scrap %		Piece				
Scrap % Rounding type	No rounding 💌		Rounding dec.		0	
Routing-position	The realising th			SM	-	
Length	0.000		UDF1			
Width / OD	0.000		UDF2			
Height / ID	0.000		UDF3			
			UDF4			
Info						
Additional text						
<u>O</u> K C <u>a</u> nd	el <u>N</u> ew Dejete					

*Quantity:* Field used to input the raw material quantity necessary.

*Unit of Measure:* Field used when the position uses a different unit of measure than the standard definition. For more information, please refer to the field *Unit of Measure* in the Process section of this document.

*Factor:* Field used to create a conversion factor between the new unit of measure and the standard unit of measure in the item master data.

General	Extended				
Quantity		3.0000 Gr	-	Per	1.0000 Piece
Factor		1.0000	1000	Gr per Piece	

**Per:** Field used to input the number of finished products produced with the quantity needed. For more information, please refer to the field *Per* in the Process section of this document.

*Fixed Quantity Surcharge:* Field used to define the quantity of raw material that will be issued each time this raw material is used within this bill of materials.

*Scrap %:* Field used to set a percentage of scrapped materials, that will also be issued each time this raw material is used within this bill of materials.

*Rounding type:* Field used to set a rounding method for each bill of materials position. For more information, please refer to the field *Rounding Type* in the Process section of this document.

*Routing-position:* Field used to link a material to a routing position, to be used in the specific production operation. For more information, please refer to the field *Routing-position* in the Process section of this document.

*Length:* Field used to set the length of a material.

*Width / OD:* Field used to set the width of a material.

*Height / ID:* Field used to set the height of a material.

Info: Field used to add more information about this material. This field is only for information.

Additional text: Field used to add more information about this material. This field is only for information.

*Rounding dec.:* Field used to set the amount of decimals for roundings.

*Warehouse:* Field used to set a warehouse where the material position should be used. For more information, please refer to the field *Warehouse* in the Process section of this document.

### 4.3. Extended tab

cription Semi-finished 01 wing number General Extended te From te From version From version To version Range	tion 1 🔿	10 SF001	I-Version	Active Manually	
General       Extended         rea of validity       Breakdown       always       Piece         te From       Issue remains from qty       Piece         te To       Only Reservation Booking       Don't post scrap       Piece         /ersion To       Planning method       Automatically       Picture         Picture       Color       To	cription	Semi-finished 01			
Breakdown     always       te From        te To        Version From        Version To        Version Range	wing number				
Breakdown     always       te From        te To        Version From        Version To        Version Range	General Extended				
Issue remains from qty     Piece       te From     Issue remains from qty     Piece       te To     Only Reservation Booking     Don't post scrap       /ersion To     Planning method     Automatically       /ersion Range     Olor     Olor	Contrar Extended				_
te From Color Colo	ea of validity			always 🔻	
/ersion From        /ersion To        /ersion Range     (a)         Don't post scrap       Planning method       Automatically       Picture       Color	e From				Piece
Version To     Planning method     Automatically       /ersion Range     Image: Color     Image: Color	е То				
/ersion Range	ersion From	<b>•</b>			_
Color Variation Range	ersion To	<b>•</b>	Planning method	Automatically -	•
	ersion Range		Picture		
Synchronization Yes 💌			Color		•
			Synchronization	Yes	•
			Synchronization	Yes	

**Date From:** Field used to define the start date of validity of the *I-Version*. For more information, please refer to *Version Control: Setup* and *Version Control: Usage* tutorials.

**Date To:** Field used to define the end date of validity of the *I-Version*. For more information, please refer to *Version Control: Setup* and *Version Control: Usage* tutorials.

*I-Version From:* Field used to select the first *I-Version* to be taken into account in a range. For more information, please refer to *Version Control: Setup* and *Version Control: Usage* tutorials.

*I-Version To:* Field used to select the last *I-Version* to be taken into account in a range. For more information, please refer to *Version Control: Setup* and *Version Control: Usage* tutorials.

*I-Version Range:* Field used to select the specific *I-Versions* to be taken into account. For more information, please refer to *Version Control: Setup* and *Version Control: Usage* tutorials.

**Breakdown:** Field used to determine whether beas should automatically create a production position for this subassembly or not. For more information, please refer to the field *Breakdown* in the Process section of this document.

*Issue remains from qty:* Field used to define the starting quantity for beas to automatically issue remaining quantities for the batch after the production process.

IMPORTANT: This field will be visible if the item is batch controlled.

Example:

- Need to consume 9.8 liters of a specific raw material
- The current stock = 10
- Issue remains from qty =0.1

beas will automatically issue the remaining 0.2 liters.

IMPORTANT: This option is not recommended if the batches normally have their stock split amongst several different bin locations, since this could lead to problems.

**Only Reservation Booking:** Field used to only issue the reserved materials once this field is checked.

**Don't Post Scrap:** Field used to not consider scrap calculations for this bill of materials position. If this field is checked, beas will ignore all scrap definitions, fixed quantity surcharges and scrap rates.

*Planning Method:* Field used to consider this material in the MRP execution. For more information, please refer to the field *Planning Method* in the Process section of this document.

*Picture:* Field used to define an icon for the bill of materials.

*Color:* Field used to set a color font for the bill of materials.

*Synchronization:* Field used to set the behavior of the *Data Integration Hub*. For more information, please refer to the field *Position* in the Process section of this document.

# 5. CONFIGURATION WIZARD

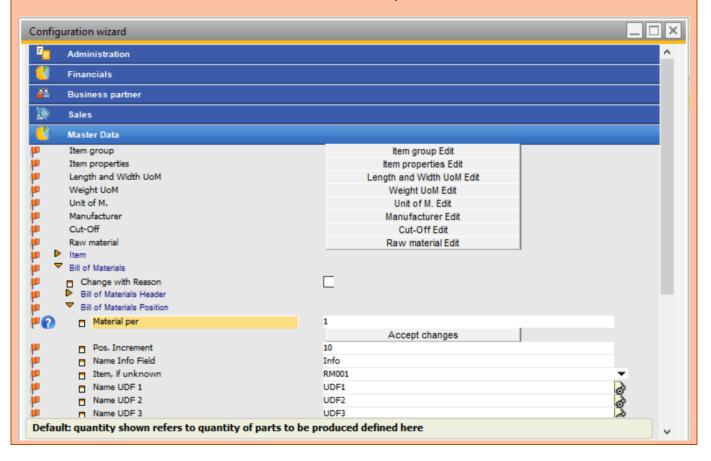
This section includes each configuration wizard setup and special parameters that involve fields or business scenarios from the bill of materials master data.

#### 5.2. General Tab

#### Per

Configuration Wizard: When a bill of materials is created the quantity of the finished good in the field *Per* can be set to a value by default. By default, it is 1.

PATH: Master data > Bill of materials > BOM header and BOM position



#### **Position Increment**

Configuration Wizard: When the bill of materials is created, the position numbers are automatically generated. The increments are entered in this parameter. By default, it is 10.

PATH: Master Data > Routing > Pos. Increment

Configu	uration wizard		_ 🗆 🗙
<b>F</b> _	Administration		^
<u>()</u>	Financials		
<u>89</u>	Business partner		
	Sales		
0	Master Data		
	Item group Item properties Length and Width UoM Weight UoM Unit of M. Manufacturer Cut-Off Raw material Item Bill of Materials Change with Reason Bill of Materials Header Bill of Materials Header Bill of Materials Position	Item group Edit Item properties Edit Length and Width UoM Edit Weight UoM Edit Unit of M. Edit Manufacturer Edit Cut-Off Edit Raw material Edit	
Þ	Material per	1 Accept changes	
<b>P</b> 2	Pos. Increment	10	
	Name Info Field	Info	
	Item, if unknown	RM001	
	Name UDF 1	UDF1	ę
	Name UDF 2	UDF2 UDF3	100 A
Dofine	s the increment for bill of materials entries. Defau		1×0
venne	s the increment for bill of materials entries. Defau	IIC IS 10	¥