



WHITE PAPER

TRIMIT Item Structure and Configuration 23.1

This document contains information about the Item structure in TRIMIT 23.1 for Microsoft Dynamics 365 Business Central 2023, Wave 1 (W1).

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INTRODUCTION

Standard BC has the normal **Item** Card. Underneath the Item there is a second level called the **Stockkeeping Unit** Card (SKU). On top of the Item level TRIMIT introduces the **Master** Card. The Master operates as a sort of Item Template. This way it is possible in TRIMIT to create and maintain Items that come in a lot of variations.

For creating and maintaining the SKUs, the user does not need to go to the individual Item Cards or SKU Cards. This can be done on the Master Card as well. In this document is described how to create and maintain the Item and SKU levels from the Master Card.

In TRIMIT you can configure an Item on Orders. This Item may not exist yet and will be created on the fly. In case of a Production Order, also the Components required for the manufacturing of these Items may need to be calculated from the Master Bill of Materials (BOM). This can be done over many BOM levels. Sub-assemblies and Raw Materials can be created on the fly too, if they do not exist in the system yet. The BOM structure is also described in this document.

The audience for this document is the Consultant or very skilled User.

It will only describe the TRIMIT fields/functionality and not the standard Business Central fields/functionality.

Be aware of not changing settings and parameters in a live database without consulting the implementing partner.

These features described are based on versions from **TRIMIT 23.1 for Business Central W1 BC22.X**.

The pictures in this White Paper are based on the demo database for **TRIMIT 23.1**, which is based on Microsoft Dynamics 365 Business Central 2023 Release Wave 1, in the demo company **CRONUS TRIMIT W1 Ltd.** (based on CRONUS International Ltd. of Microsoft Dynamics 365 Business Central).

COMPONENTS

TRIMIT Item Structure and Configuration contains the following objects:

The tables	6036528	<i>trm Translation</i>
	6037012	<i>trm Work Center Group</i>
	6037013	<i>trm Operation</i>
	6037014	<i>trm Operation Rate</i>
	6037015	<i>trm Work Center</i>
	6037100	<i>trm VarDim Type</i>
	6037101	<i>trm VarDim Master</i>
	6037102	<i>trm VarDim Variant Option</i>
	6037103	<i>trm Master</i>
	6037104	<i>trm No. System</i>
	6037105	<i>trm VarDim Master</i>
	6037106	<i>trm VarDim Item</i>
	6037107	<i>trm VarDim Item Header</i>
	6037109	<i>trm VarDim Matrix Master</i>
	6037111	<i>trm VarDim Multiple Dimensions</i>
	6037113	<i>trm Matrix Item Line</i>
	6037114	<i>trm Matrix Cell</i>
	6037115	<i>trm VarDim Combination</i>
	6037116	<i>trm VarDim Positive/Negative</i>
	6037117	<i>trm VarDim Dimension Option</i>
	6037119	<i>trm VarDim Pos./Neg. Inactive</i>
	6037120	<i>trm Matrix Item Line Inactive</i>
	6037132	<i>trm Matrix Distribution Type</i>
	6037133	<i>trm Matrix Distribution Value</i>
	6037134	<i>trm Master Wizard Setup</i>
	6037139	<i>trm Caption Class Setup</i>
	6037177	<i>trm Color Reference</i>
	6037178	<i>trm Picture Cache</i>
	6037180	<i>trm Picture</i>
	6037181	<i>trm Picture Relation</i>
	6037203	<i>trm Search Table Header</i>
	6037204	<i>trm Search Table Line</i>
	6037205	<i>trm Formula Header</i>
	6037206	<i>trm Formula Line</i>
	6037340	<i>trm BOM Component Header</i>
	6037341	<i>trm BOM Component Line</i>

The pages

6037033	<i>trm Operation List</i>
6037034	<i>trm Operation Card</i>
6037035	<i>trm Operation Rates</i>
6037036	<i>trm Work Center List</i>
6037037	<i>trm Work Center Card</i>
6037041	<i>trm Work Center Group</i>
6037100	<i>trm VarDim Types List</i>
6037101	<i>trm VarDim Masters List</i>
6037102	<i>trm Temp VarDim Variants</i>
6037103	<i>trm Master List</i>
6037104	<i>trm VarDim Type Card</i>
6037105	<i>trm VarDim Variant Card</i>
6037106	<i>trm VarDim Master Card</i>
6037107	<i>trm VarDim Variant Options</i>
6037108	<i>trm Master Card</i>
6037109	<i>trm No. Systems List</i>
6037110	<i>trm No. System Card</i>
6037111	<i>trm Master LookUp</i>
6037113	<i>trm VarDim Orders</i>
6037115	<i>trm VarDim Items</i>
6037116	<i>trm VarDim Items Header</i>
6037117	<i>trm VarDim Multiple Dimensions</i>
6037118	<i>trm VarDimItems MultipleDim</i>
6037119	<i>trm VarDimOrder Multiple Dim</i>
6037121	<i>trm VarDim Dimension Options</i>
6037122	<i>trm VarDim Combinations</i>
6037123	<i>trm VarDim Pos/Negative List</i>
6037124	<i>trm Matrix Masters List</i>
6037125	<i>trm Matrix Order Assort List</i>
6037126	<i>trm Matrix Orders Matrix Sheet</i>
6037127	<i>trm Matrix Item Lines</i>
6037129	<i>trm Master Wizard</i>
6037132	<i>trm Matrix Item Nos.</i>
6037133	<i>trm VarDim Item Match Search</i>
6037137	<i>trm Master Wizard Setup List</i>
6037138	<i>trm Master Wizard Setup</i>
6037139	<i>trm Formula Select Primary Key</i>
6037180	<i>trm Picture Card</i>
6037181	<i>trm Picture Relations</i>
6037182	<i>trm Pictures List</i>
6037184	<i>trm Picture</i>
6037188	<i>trm Color Reference</i>
6037200	<i>trm Search Table Header</i>
6037201	<i>trm Search Table Header List</i>

The pages	6037203	<i>trm Formula Header List</i>
	6037208	<i>trm Search Table Lines</i>
	6037223	<i>trm Formula Header</i>
	6037224	<i>trm Formula Lines Subform</i>
	6037225	<i>trm Formula Lines</i>
	6037341	<i>trm BOM Component Lines</i>
The reports	6037035	<i>trm Create/Update VarDim Items</i>
	6037036	<i>trm Create Items</i>
	6037052	<i>trm Pre-Calculation</i>
	6037060	<i>trm Update Unit Cost</i>
The codeunits	6037121	<i>trm VarDim Order Handling</i>
	6037132	<i>trm VarDim Handling</i>
	6037133	<i>trm Matrix Handling</i>
	6037134	<i>trm Matrix Form Handling</i>
	6037140	<i>trm Validation VarDim</i>
	6037180	<i>trm Picture Management</i>
	6037181	<i>trm Drag And Drop Handling</i>
	6037183	<i>trm Color Reference Setup</i>
	6037213	<i>trm Test Formula</i>
	6037214	<i>trm Formula Set and Get Param</i>
	6037215	<i>trm Formula Basic</i>
	6037216	<i>trm Formula Handling</i>
	6037217	<i>trm Formula Calculation</i>

Many other objects of TRIMIT and standard BC are involved because of the use of i.e., Items and related information, but the above-mentioned objects se are the main TRIMIT involved.



Structure of Tables related to the Master/Item.

ITEM STRUCTURE

The Item structure is the construction of BOM's and sub-BOM's. This describes the entire flow from Raw Material to Finished Goods. In a multi-level BOM there might be some Sub-assemblies in between. A Sub-assembly can also be a Phantom Item. In that case the Sub-assembly acts as a place holder for Items on a lower level. If the latter is the case, the underlying Items are substituting the Sub-assembly on the Component List of a Production Order.

In TRIMIT an Item BOM contains all elements that are required to produce a given Item. Therefore, it is not only a list of Items, but it contains Operations and Setup Times as well. The Item BOM can be a fixed BOM or a temporary BOM generated from the Master BOM when requested.

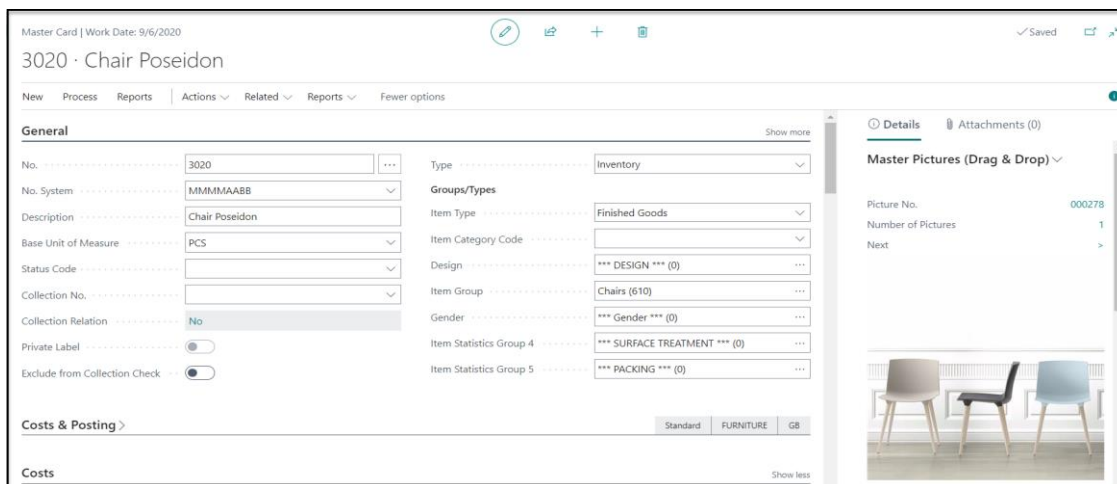
In an ERP-System, the Item structure is one of the most important components. From the Item structure the Component List on a Production Order and the Item costs are calculated. From the Component List in the Production Orders Warehouse Picks can be created and the Inventory Transactions (Consumption) and used Time are registered.

If the Item structure is not well engineered and created, Inventory Variance may occur, or even lack of Capacity. Without the Cost the Items profitability and Inventory Value cannot be calculated.

MASTER

INTRODUCTION

The **Master** is a level on top of the standard BC Item. It acts as an Item Template during configuration. For Fashion Items it is also the basis for the Fashion Matrix. All the configuration possibilities and BOM Components are defined in the Master. The purpose of TRIMIT is that all Item related Data can be maintained on the Master Card, such as Pricing tables, Product Development Data, Configuration Rules, SKU Management, etc. This way there is a minimum need for accessing the individual Items as far as they have been created.



CREATING A MASTER

Creating a Master can be done by a **Wizard** or from scratch. Creating via a Wizard will be discussed in one of the next paragraphs.

If a Master should be created from scratch, it is important to do the activities in the right order:

1. Enter the **Master No.**
2. Go to the **VarDim Master** and enter the appropriate Variants, Dimensions and/or other VarDim Types.¹
3. Go back to the Master Card and enter the **No. System**.

From here the order of entry is less rigid, but they need to be done before you can start working with the Master.

4. Enter **Description**.
5. Enter **Base Unit of Measure** (mandatory field).
6. Enter the **Posting Groups** (mandatory fields).
7. Enter Costing and Planning Parameters
8. Enter Pricing Tables
9. Enter Matrix setup (only in case of Matrix Items)

¹ With or without values in the column **VarDim Type Placement in Item No.** This field will be discussed later.

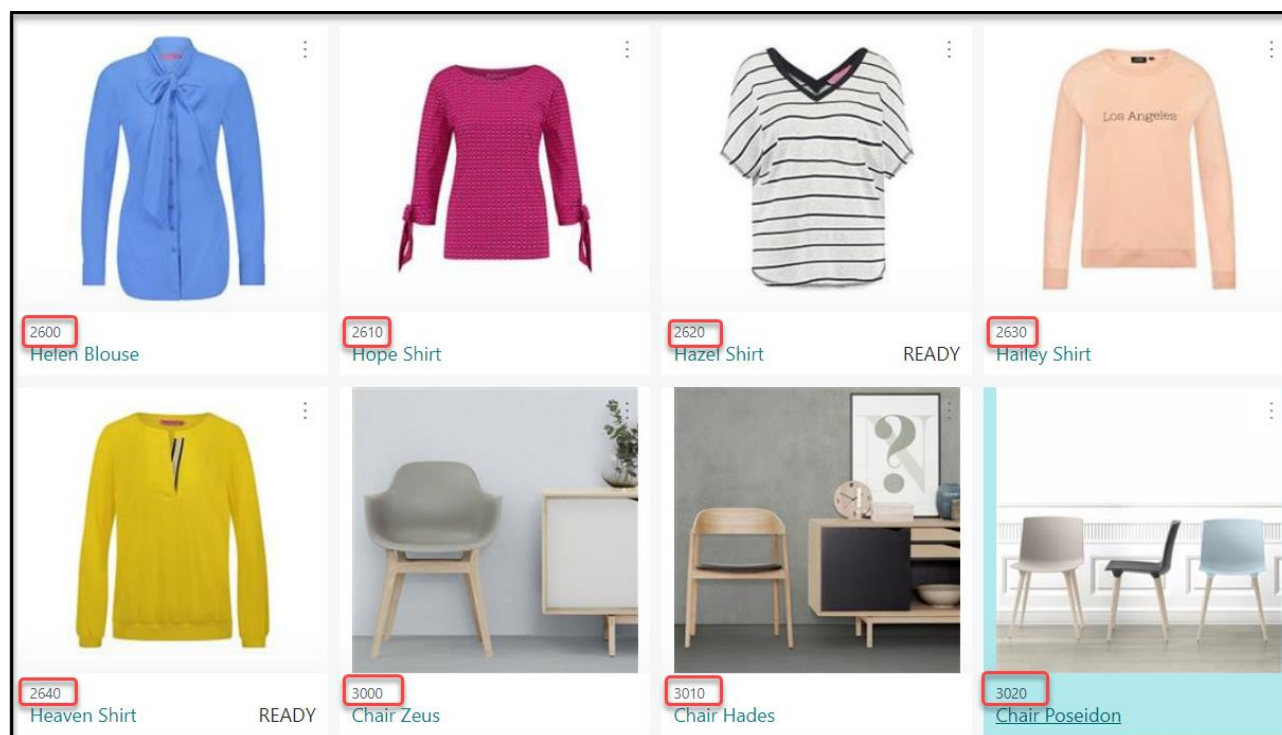
Step 7, 8 are not mandatory, but very useful to setup, especially before you start configuration on Sales Orders or before doing step 9. In that case the created Items will have a **Unit Cost** if the calculation of the Cost is based on the Purchase Price List.

When creating an Item from scratch in standard BC, it does not matter which fields you populate after you entered the **Item No.** As shown above, this is not the case for the Master. Please make a routine of doing the things in the right order. In case of an error, it is often better deleting the Master and start over again then trying to fix the issue.

MASTER NO.

The **Master No.** not only identifies the Master but is also the trigger on Orders to start the Configuration or opens the Matrix. It is also the trigger for the creation of a new Item from the Master.

The **Master No.** is also the basis of the **Item No.** or the newly configured Item. Therefore, the length of the Master No. has a maximum of *10 digits*. That means that there are digits left to eventually make the Item Nos. unique. The total number of digits in the Item No. cannot exceed *20*. In the paragraph below, more details are discussed regarding the Item No. format.



NO. SYSTEM

For Masters it is necessary to define an appropriate **No. System**. It determines the format of the newly created **Item No.** Generally, the Item No. contains at least the **Master No.**

There are four types of Number Systems:

Number System Type	Description	Example
Generic	All created Items get one and the same generic Item No. that is identical to the Master No..	MMMM
Intelligent	All created Items get a unique Item No., which represents the Master No. and the Variant options and/or Dimension values.	MMMMMAABBCD111
Sequential	All created Items get a unique No., which represents the Master No. + a sequence number.	MMMMLLLLL
Mixed	Mix of the above.	

In the **No. System** the format is coded and can have four elements:

- The first element of the Item No. is the **Master No.** This is represented by the character **M**. The number of M's is exactly the number of digits of the Master No. with a maximum of *10 digits*. So in the examples in the table above the Master No. contains *4 digits*.
- The second element contains the value of the chosen **Variant Options** that are chosen to be represented in the Item No. Each variant will be represented by a character of the alphabet. You can go up to *9 Variants* in the Item No., so the characters used are **A, B** until **I**. The number of each character corresponds to the number of digits of the variant option with a maximum of *5 digits*. In the second example in the table above you see that four Variants are in the Item No., where Variants 1 and 2 have two-digit options, while Variants 3 and 4 have one-digit options.
- The third element contains the value of **Dimensions**. These are Values that are not selected from an option table but could be any decimal within a specific range between a minimum and maximum Value. There cannot be more than *3 Dimensions* in the Item No. that will be represented by an integer **1, 2** or **3**. Per integer the number cannot exceed *5 digits*. The number of digits in the **No. System** determines the number of digits in the Item No..
In the second example in the table above you see only *Dimension 1* in three digits. That means that the minimum and maximum value of the range must be between 0 and 999.

NOTE

Although the system allows you to enter decimal figures within the range, we strongly advise you to only use Integers, if the Dimension is represented in the **Item No.**

So, instead of cm, use mm for a Dimension to avoid decimals.

Otherwise, you might have i.e., a 12,5 and a 125 as the same Dimension 125 in an Item Number.

- The fourth element could be the **Sequence Number**. This Number is defined by the character **L**. The number of Ls determines the length of the Sequence Number with a maximum of *5 digits*. This means that the number of Items created with a Sequential Number is a million. The length of the Sequence Number is setup on the **Master Card (FastTab VarDim)** by entering the starting number in the field **Sequence No. Counter**. From that moment on this field acts as a counter.
In the example below the starting number was 00000 and there has been one Item created with Sequential Number 00001.

VarDim

VarDim Relation

Master

VarDim Relation No.

Sequence No. Counter

00001

Match Search

No

Visual Configuration Code

Not every Variant or Dimension needs to be represented in the **Item No.** If the Item No. is generic, none of the Variants and/or Dimensions are represented in the Item No. You can also choose to select some of the Variants and/or Dimensions represented in the Item No. and others not. Please keep in mind that different Items are created, but they are not unique since there are more variances possible under the same Item No. If you want to make these Items unique, you'll have to work with a Sequence Number in the Item No.

Which Variants and Dimensions are going to be in the Item No. is determined in the **VarDim Master**. This is discussed in the next chapter.

The **Item No.** is a standard BC **Code** Field that can contain a maximum of 20 digits. This means that the **No. System** being the Item No. format has also a maximum of 20 digits. So, the construction of an Item No. and the Variants and/or Dimensions are very important to be analyzed before the implementation starts.

When a new **No. System** is filled in the field, the system creates a **No. System Card**. In the parameters is shown the relationship between the Master, the Variant options, the Dimensions and Sequential Number and their lengths. This is the table that the system works with when a new **Item No.** is created.

No. System Card | Work Date: 9/6/2020

MMMMMAABB11112222

Comment

General

Code

MMMMMAABB11112222

Description

Item No. equal to Ma...

Master No. any length

Parameters

Master No. Length	5	Variant 7 Length	0
Variant 1 Length	2	Variant 8 Length	0
Variant 2 Length	2	Variant 9 Length	0
Variant 3 Length	0	Dimension 1 Length	4
Variant 4 Length	0	Dimension 2 Length	4
Variant 5 Length	0	Dimension 3 Length	0
Variant 6 Length	0	Sequence No. Length	0

If an **Item** is created manually with a random Item Number (i.e., not related to any Number format), it is still possible to connect the Item to a Master. This could be useful for easy maintenance and/or inheritance.

In that case, the **No. System** on the Master you want to attach the Item to, has the field **Master No. any length** set to *Yes* and the field **Item No. equal to Master No.** set to *No*.

Both fields are found on the **No. Systems Card**.

NOTE

While filling in the field **No. System**, the codes of the already existing **No. System** Cards show up. So, after entering the **No. System** never press the *Enter* key, because this way it selects the closest existing **No. System** Code and that is not necessarily the one you want. So, after entering the correct Code in the field just leave the field by clicking on another field, pressing the Tab key or anything else but using the *Enter* key.

CREATING MASTER BY WIZARD

In TRIMIT, you can copy one Master to another new Master by using the **Wizard**. This Wizard can also be used for creating new Masters from blank or for maintaining the Variants of Masters.

How to work with this and more details about the features of this Wizard can be found in a White Paper dedicated to this functionality: **TRIMIT Wizard and Copy Info**.

However, please keep in mind that the Wizard is only suitable for two types of Masters.

- Masters that only have **VarDim Types** of **Type Variant**, which are all represented in the **No. System** (*Intelligent No.*).
- Masters that have none of the **VarDim Types** represented in the **No. System** (*Generic No.*).

This means that the Wizard does not work well for Masters with a **No. System** that generates Items with a *Sequential No.*, a *Semi-intelligent No.* or Items with an *Intelligent No.* that represents one or more **Dimensions**.

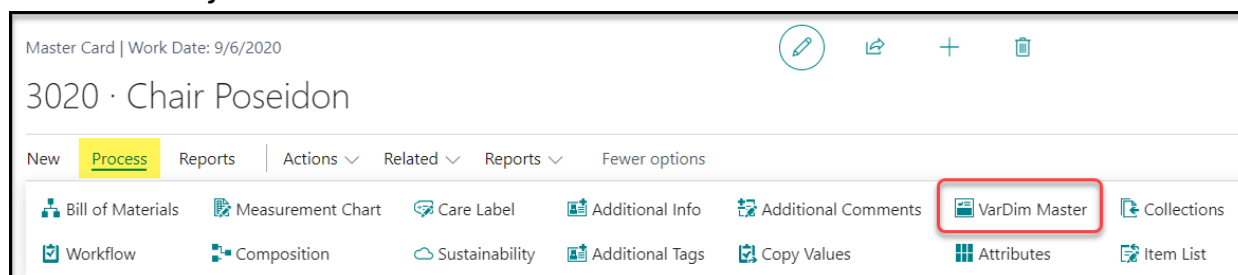
For everything else regarding this topic, we refer to the above-mentioned White Paper.

VARDIM MASTER (LIST)

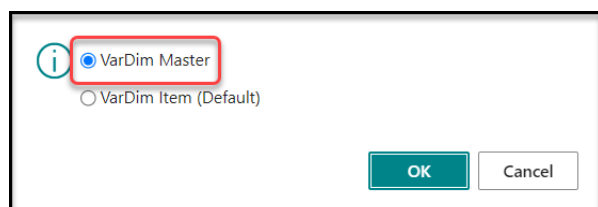
INTRODUCTION

In the previous chapter is described that the Master acts as a Template for creating Items. These Items can have all their own unique variances. This could be different Colors, Material Types, Measurements, etc. These variances are setup in the **VarDim Master**. VarDim stands for VARiants and DIMensions but is more then only these two.

The VarDim Master can be found via **Process (or Home)**, **VarDim Master**. However, there is also a short key combination: **Shift+F11**.



The following message pops up. For maintaining the Variants and/or Dimensions related to a Master, you must select the first option. After pressing **OK**, the **VarDim Master List** Page opens. In this List you can add the VarDim Types.



Edit - VarDim Master List - M3108 · Table Top Veneered,Round							
Type	VarDim Type	Description	VarDim Type Placement in Item No.	Consistent Inheritance	Dimension 2	Search Unit	Price Adjustment
→ Variant	VENEER	Veneer Types	Variant 1	☐	No	No	No
Variant	T_THICK	Thickness (mm)	Variant 2	☐	No	No	No
Dimension	T_DIAMETER	Table Diameter (mm)	Dimension 1	☐	No	No	No

VARDIM TYPES ON VARDIM MASTER

The **VarDim Master** is essential for the configuration/ generation of Items. It contains **VarDim Types** that – depending on the **Type** – determine how the VarDim Type will be interpreted by the system. The VarDim Type can be one of the following **Types**:

Type	Function
<i>Variant</i>	The value is an alphanumeric Code connected to a table with Variant Options . Variants are used to describe properties such as Material Type, Colors, (discrete) Sizes, Qualities, etc.
<i>Dimension</i>	The value is a decimal figure, and we strongly advise to use only Integers if it is represented in the Item No. All values between a minimum and a maximum are valid. It is possible to setup default Values in a Dimension Table. Note this Dimension should not be confused with BC Financial Dimensions. Dimensions are commonly used for Measurements that need to be configured.
<i>Headline</i>	No Value, just plain text. The field Description will be shown in a bold font. This Type is used to make a long VarDim Master List more legible by separating it into sections with Headlines as separators.
<i>Date</i>	The value will be seen as an exact Date
<i>Date Formula</i>	The value will be seen as a Date Formula.
<i>Code</i>	The value is an alphanumeric Code. Via a Setup a specific subsection of any Table in TRIMIT BC can be in a Related Table. For Fashion applications this code field can be used for defining Assortments .
<i>Decimal Figure</i>	Value is a decimal figure. It is often used for defining Quantities during the configuration.

The **VarDim Type** comes with a **Description**.

If necessary, a VarDim Type can be selected from the **VarDim Type List**. If a VarDim Type is entered in the field manually and is not present in the List, the system will ask for confirmation, whether a new VarDim Type should be created. That also comes with the creation of a **VarDim Type Card**.

On a specific VarDim Master Line, the fields of a VarDim Type can deviate from the general one. This will be setup in the **VarDim Master Card**.

The VarDim Type List, VarDim Type Card and the VarDim Master Card will be discussed in the next chapter.

VARDIM TYPE PLACEMENT IN ITEM NO.

Whether and where the VarDim Value will be represented in the **Item No.**, depends on the field **VarDim Type Placement in Item No.** The options are *Variant 1 - 9* and *Dimension 1 - 3* and they can only be chosen once in accordance with the appropriate Type of a VarDim Type. Ergo: you cannot have more than 9 Variants in the Item No. and not more than 3 Dimensions as stated in the previous chapter.

In the Table below you can see which **VarDim Type Placement in Item No.** corresponds with which character in the **No. System**.

VarDim Type Placement in Item No.	Symbol in No. System	Usage
<i>Variant 1</i>	A	Can only be set on VarDim Type of Type Variant
<i>Variant 2</i>	B	""
<i>Variant 3</i>	C	""

Variant 4	D	""
Variant 5	E	""
Variant 6	F	""
Variant 7	G	""
Variant 8	H	""
Variant 9	I	""
Dimension 1	1	Can only be set on VarDim Type of Type Dimension
Dimension 2	2	""
Dimension 3	3	""

CONSISTENT INHERITANCE

Sometimes the Variant of the Main Product is identical to the Variant of the Component level. For instance: if you choose during configuration of a Chair a Red Upholstery, then you can expect that the Fabric used for this Upholstery is the identical Red. In those cases, you can use the **Consistent Inheritance** Boolean field in the VarDim Master.

This Boolean must be checked in the **VarDim Master** of the Component (i.e., Fabric) that inherits the Values from the Main Product (i.e., Chair or Garment).

NOTE

Consistent inheritance only works, if the same VarDim Type on both levels have a Value in the field **VarDim Type Placement in Item No.**

The logic of Consistent Inheritance can also be achieved with TRIMIT Formulas and TRIMIT Search Expressions. It is to be advised that the Consistent Inheritance feature is only used if you can apply it on all Variants and/or Dimensions for all Components, so that the Customer only works with one way of setting up the business logic in the BOM structure.

2ND DIMENSION

In TRIMIT it is possible to have Multi-Dimensional configuration. This means that you can specify in a VarDim Master per VarDim Type if an option can deviate based on a position. If this is the case **Dimension 2** should have the Value Yes.

Edit - VarDim Master List - 5300 - Kitchen Cabinet Hestia							
Type	VarDim Type	Description	VarDim Type Placement in Item No.	Consistent Inheritance	Dimension 2	Search Unit Price Adjustment	
→ Variant	HESTIATYPE	Hestia Type		☐	No	Yes	
Variant	COL_FRONT	Front Color		☐	Yes	No	
Variant	HANDLE	Handle		☐	No	Yes	
Variant	VAR_HEIGHT	Height Variant (cm)		☐	No	Yes	
Variant	VAR_WIDTH	Width Variant (cm)		☐	No	Yes	

For instance: for a Kitchen Cabinet you can choose the Front Color. All the Fronts used in this Product will have this Color. But if some Fronts should get a contrast Color, then it is possible to deviate per Front Position from the basic Color, by setting it up as a Second Dimension. Also, a 3rd Dimension is possible. This topic is discussed more elaborately in chapter **Extended Configuration** in paragraph [Multi-dimensional Configuration](#).

SEARCH UNIT PRICE ADJUSTMENTS

Depending on chosen options, the Sales Price can be different. For instance, if during the configuration a Wood selection is required, choosing *Walnut* is more expensive than *Oak*. Although any type of Unit Price Calculation is possible with TRIMIT Formulas, it could be very useful to see the consequence of a choice during the configuration. This can be done with **VarDim Adjustment Sales Prices**.

If the system should look for a **VarDim Adjustment Sales Price** at a specific VarDim Type, the **Search Unit Price Adjustment** should be set on Yes. This and everything else related to Pricing is discussed in its own chapter [Pricing Structure](#).

Edit - VarDim Master List - 5010 · Chair Pollux							
Search + New Edit List Delete Card Variant Table Copy Actions Related Fewer options							
Type	VarDim Type	Description	VarDim Type Placement in Item No.	Consistent Inheritance	Dimension 2	Search Unit Price Adjustment	
→ Headline	CHAIR	Chair Specifications		☐	No	No	No
Variant	CHAIRTYPE	Chair Type		☐	No	Yes	Yes
Variant	WOOD	Wood Type		☐	No	Yes	Yes
Variant	SURFACE	Surface Treatment		☐	No	Yes	Yes
Headline	SEAT	Seat Specifications		☐	No	No	No
Variant	SEAT_MAT	Seat Material		☐	No	Yes	Yes
Variant	SEAT_COL	Seat Color		☐	No	No	No

OTHER FIELDS ON THE VARDIM MASTER

Many more fields can be made visible on the VarDim Master. These fields are also on the **VarDim Type Card** and/or on the **VarDim Master Card**. These will be discussed in the next chapter called [VarDim Type](#).

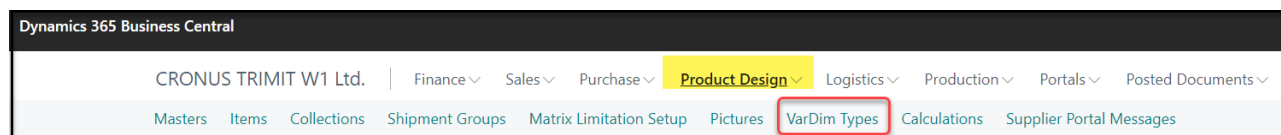
VARDIM TYPE

INTRODUCTION

In the previous chapter several topics related to the **VarDim Type** are discussed, such as the **VarDim Type List** and the **VarDim Type Card**. These are discussed more elaborately in this chapter. The [VarDim Master Card](#) and the [VarDim Option](#) table are discussed in the following chapters.

VarDim Types can be placed on a **VarDim Master**. During configuration the possibilities given by the VarDim Types in the **VarDim Master** makes the variances of the configured Product. A **VarDim Type** can be used on more than one **Master**.

In the previous chapter is discussed how VarDim Types are created via the VarDim Master if they don't exist yet. However, they can also be created before they are attached to a Master. This can be done from the **VarDim Types List**. This List can be reached from the menu in the Role Center **Product Design**.



VARDIM TYPE LIST

All the VarDim Types are shown in the **VarDim Type List**. In the List below you see examples of VarDim Types of **Type Variant**, **Headline** and **Dimension**. In the previous chapter those different **Types** are discussed. All these VarDim Types can be attached to a **VarDim Master**.

CRONUS TRIMIT W1 Ltd. Finance ▾ Sales ▾ Purchase ▾ Product Design ▾ Logistics ▾ Production ▾ Portals ▾ Posted Documents ▾						
Masters Items Collections Shipment Groups Matrix Limitation Setup Pictures VarDim Types Calculations Supplier Portal Messages						
VarDim Types: All ▾ Search + New Delete Edit List Variant Table / Options Actions ▾ Related ▾ Fewer options						
Type	No. ↑	VarDim Variant	VarDim Type Name	Dimension 2	Limited usage	VarDim Attribute Name
Variant	DRAW_POS	113	Drawer Position	No	VarDim Master	
Variant	DRAWHEIGHT	114	Drawer Height	No	VarDim Master	
Headline	EMBROIDERY		Embroidery Specifications	No		
Variant	FIT	33	Fit	No		
Variant	FURN_MAT	50	Furniture Material	No	VarDim Master	
Variant	HANDLE	116	Handle	No	VarDim Master	
Dimension	HEIGHT		Height (mm)	No		
Variant	HESTIATYPE	115	Hestia Type	No	VarDim Master	
Variant	LACE_COL	100	Lace Color	No	VarDim Master	TRIMIT_COLOR
Variant	LACE_LEN	101	Lace Length	No	VarDim Master	
Variant	LEATHER	64	Leather Color	No	VarDim Master	TRIMIT_COLOR
Variant	LEGPOS	58	Leg Position	No	VarDim Master	
Variant	LEGS	50	Legs Material	No	VarDim Master	
Dimension	LENGTH		Length (mm)	No		
Variant	LINING_COL	10	Lining Color	No		TRIMIT_COLOR
Headline	LOGO		Logo Specifications	No		

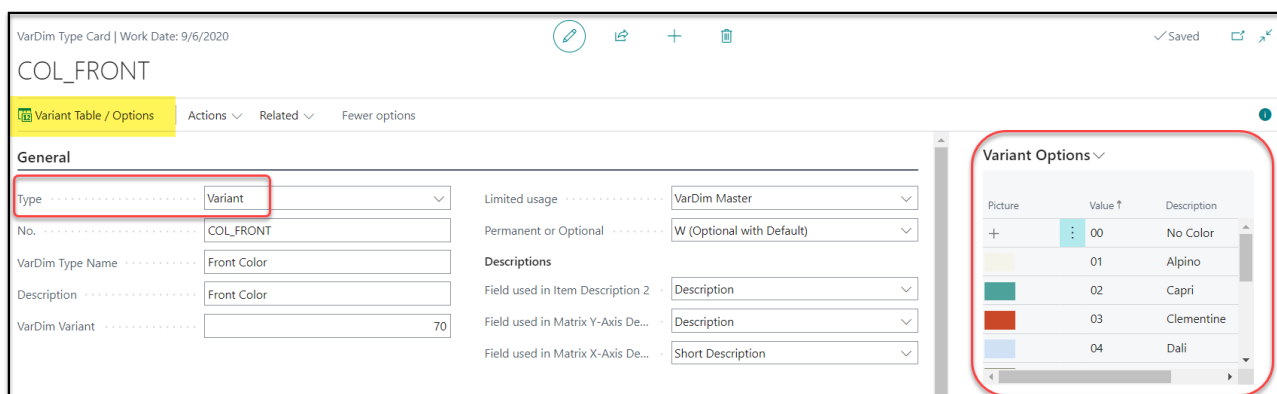
Note that only the **VarDim Types** with **Type Variant** have a **VarDim Variant** number. The meaning of this number will be explained later.

Via **Variant Table / Options** you can go to the Option Table, but only if the VarDim Type has **Type Variant** or **Code**. The **VarDim Option** table will be discussed more elaborately in its own chapter [Variant Table](#).

VARDIM TYPE CARD

For every VarDim Type a Card is created. This **VarDim Type Card** can be opened by clicking in the field **Type** in the appropriate line in the List.

If you click on **+New** in the menu a new VarDim Type Card opens.



If the **Type** is **Variant** or **Code**, you can open the Option table by clicking on **Variant Table / Options**. The **Variant Options** are also shown in a FactBox.

In the paragraphs below the Fields on the VarDim Type Card are discussed. Note that many of these fields are also on the **VarDim Type List** and on the **VarDim Master Card**. They are discussed only once.

NO., VARDIM TYPE NAME AND DESCRIPTION

The **No.** of the VarDim Type must be unique. It is the primary key of the record.

The **VarDim Type Name** and the **Description** is text that described the VarDim Type Card. These are used in different places. **VarDim Type Name** is commonly used in the TRIMIT/BC system, where **Description** is more used on the TRIMIT Portals

VARDIM VARIANT

When a new **VarDim Type** of **Type Variant** is created, a **VarDim Variant** number is automatically generated. This field contains the relation to the Options in the VarDim Variant Option Table connected to the VarDim Type.

The **VarDim Variant** can be overwritten manually for instance if the same Options table can be used on multiple VarDim Types. An example of this could be an Options table with two outcomes 0 = *No* and 1 = *Yes*. Instead of creating multiple Options tables with the same outcomes the first created Options table is connected to multiple VarDim Types by choosing the same **VarDim Variant** number.

Another example is that in a Product the same Options are used for different positions (for instance Color positions). A **VarDim Type** can be only once in a VarDim Master. So, if you need the same Variant Options table more than one time in a VarDim Master, you need to have different **VarDim Types** with an identical **VarDim Variant**.

VarDim Types: All				
Type	No. ↑	VarDim Variant	VarDim Type Name	Dimension 2
Variant	CHAIRTYPE	57	Chair Type	No
Variant	COL_FRONT	70	Front Color	No
Variant	COL_MELAM	111	Melamine Color	No
Headline	COLLAR		Collar Specifications	No
Variant	COLLAR_COL	10	Collar Color	No
Variant	COLLARTYPE	40	Collar Type	No
Variant	COLOR_1	10	Garment/Fabric Colors	No
Variant	COLOR_2	11	Trimmings Colors	No
Variant	COLOR_LAM	70	Laminate Color	No
Variant	COLOR_OIL	63	Oil Color	No
Variant	COLOR_RAL	62	RAL Color	No
Variant	COLORSHELF	70	Laminate Color Shelf	No
Variant	COMP	7	Composition Material Codes	No
Variant	CROSSBAR	72	Crossbar Type	No
Headline	CUFF		Cuff Specifications	No
Variant	CUFF_COL	10	Cuff Color	No
Variant	CUFFSTYLE	42	Cuff Style	No

Be aware that if you change the **VarDim Option** table by deleting or adding Options, it is changed for all the related VarDim Types.

LIMITED USAGE

VarDim Types are not only used in the **VarDim Master** for configuration. It is also used for other tables that defines properties of a Product. Most of them are found in the **Product Data Management (PDM)** functionality that is mostly used for the Design of Fashion Products, for instance to define the Composition, Wash & Care instructions, Additional Info, Measurement Charts, Assortments and Sustainability.

VarDim Type Card | Work Date: 9/6/2020

MES_CHEST

Variant Table / Options

General

Type
Dimension

No.
MES_CHEST

VarDim Type Name
Measure ½ Chest (cm)

Description
Measure ½ Chest (cm)

VarDim Variant

Limited usage

Permanent or Optional

Descriptions

Field used in Item Description 2

Field used in Matrix Y-Axis De...

Field used in Matrix X-Axis De...

Measurement Chart

VarDim Master

Composition

Care Label

Additional Info

Measurement Chart

Assortment

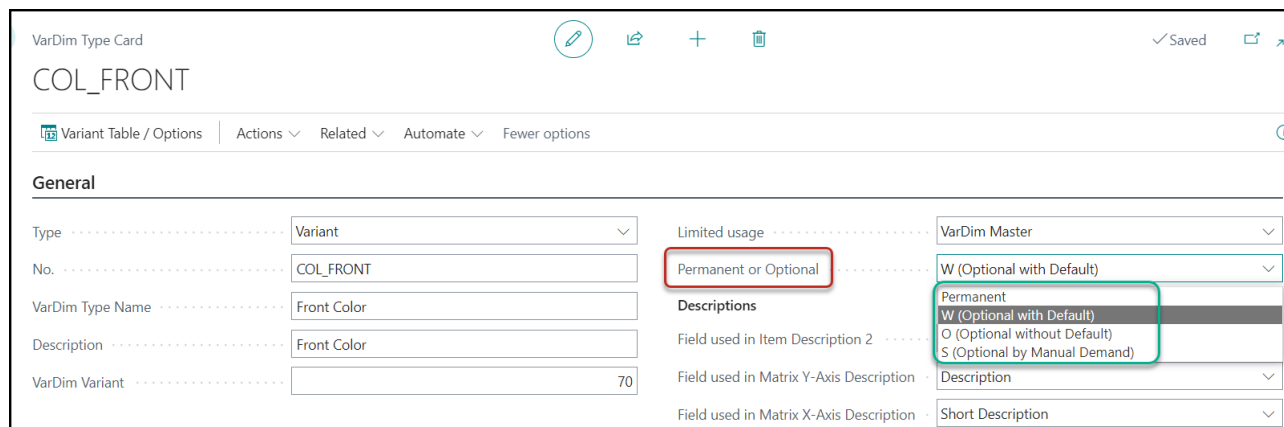
Sustainability

Short Description

PERMANENT OR OPTIONAL

You can see the **VarDim Master** as a set of *questions* that needs to be answered during the configuration of an Item. After the Item has been configured, it has now a **VarDim Item**, which can be considered as a set of *answers*. These answers may or may not be changed. This is also the case if the configuration answers are given in a **VarDim Order**.

The setting Permanent or Optional allows you to set the default Value for the VarDim Type. This Value will be transferred to the field with the same name in **VarDim Item**.



VarDim Type Card

COL_FRONT

Variant Table / Options | Actions | Related | Automate | Fewer options

General

Type: Variant

No.: COL_FRONT

VarDim Type Name: Front Color

Description: Front Color

VarDim Variant: 70

Limited usage: VarDim Master

Permanent or Optional

Descriptions

Field used in Item Description 2: Description

Field used in Matrix Y-Axis Description: Short Description

Field used in Matrix X-Axis Description: Short Description

Options for Permanent or Optional:

- Permanent
- W (Optional with Default)
- O (Optional without Default)
- S (Optional by Manual Demand)

The options are:

Permanent or Optional	Description
<i>Permanent</i>	The chosen Option in the VarDim Item/Order has become permanent after the configuration and cannot be changed anymore. When an existing Item is entered on an Order the VarDim Item Line is not transferred to VarDim Order unless the VarDim Master field Skip insert VarDim Order is <i>No</i> .
<i>W (Optional with Default)</i>	The VarDim Item Line is always transferred with the default Value to the VarDim Order . The value can always be changed.
<i>O (Optional without Default)</i>	The Value on the VarDim Order won't be transferred from the VarDim Item Line . It needs to be entered manually and can always be changed.
<i>S (Optional by Manual Demand)</i>	The VarDim Item Line is only transferred without the default Value to VarDim Order if the Action Supply VarDim Order on the VarDim Order page is called. The value can be changed.

The Default Value is **W (optional with default)**.

If the VarDim Type is part of the **Item No.** the Value is automatic set to *Permanent*. The reason is that you do not want to change a Value that is represented in the Item No., because in that case it has become another Item with its own Item No.

FIELD DESCRIPTIONS

In the three Field Descriptions is determined which Description of the option will be used in **Description 2** on the Sales Line, the Description in the **Y-Axis** in a Matrix representation, and the Description on the **X-Axis** in a Matrix.

Edit - Sales Order P0001 - No. 2100 - Lily Blouse -

Search Edit List Matrix Inventory Profile Actions Related Fewer options

Variant 1	Variant Description	Line Quantity	XS	S	M	L	XL	XXL	3XL
→ 20	Royal Blue	12		2	3	3	2	2	
21	Light Blue								
30	Yellow								
35	Orange								
37	Dark Orange								
60	Forest Green								
65	Dark Green								
70	Red								
73	Pink								
75	Magenta								
80	Purple								
99	Black	70	10	10	10	10	10	10	10

VarDim Type Card

✓ Saved

SIZE_C

Variant Table / Options

Actions ▾

Related ▾

Automate ▾

Fewer options

General

Type ▾

Variant

No. ▾

SIZE_C

VarDim Type Name ▾

Casual Sizes XS - 5XL

Description ▾

Casual Sizes XS - 5XL

VarDim Variant ▾

20

Limited usage ▾

VarDim Master

Permanent or Optional ▾

W (Optional with Default)

Descriptions

Field used in Item Description 2 ▾

Description

Field used in Matrix Y-Axis Description ▾

Description

Field used in Matrix X-Axis Description ▾

Short Description

Description

Short Description

Value

Parameters >

VarDim Variant Option No. SIZE_C - 20

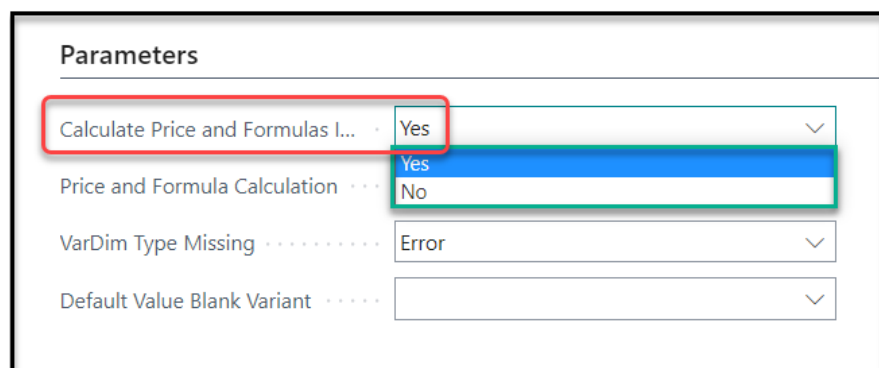
Search + New Edit List Delete Actions Related Fewer options Show as menu

Value ↑	Description	Short Description	Color Reference
→ 01	XS	XS	—
02	S	S	—
03	M	M	—
04	L	L	—
05	XL	XL	—
06	XXL	XXL	—
07	3XL	3XL	—
08	4XL	4XL	—
09	5XL	5XL	—

CALCULATE PRICE AND FORMULAS INITIALLY

When the **VarDim Order** is opened, the system may start calculating. However, if you don't want to calculate a Price or Formula connected to a VarDim, the setting **Calculate Price and Formulas Initially** should be set to *No*.

The default Value of this setting is *Yes*.



The screenshot shows a 'Parameters' form with four dropdown menus. The first dropdown, 'Calculate Price and Formulas Initially', is highlighted with a red box and has its menu open, showing 'Yes' as the selected option. The other dropdowns are 'Price and Formula Calculation' (set to 'No'), 'VarDim Type Missing' (set to 'Error'), and 'Default Value Blank Variant' (set to an empty field).

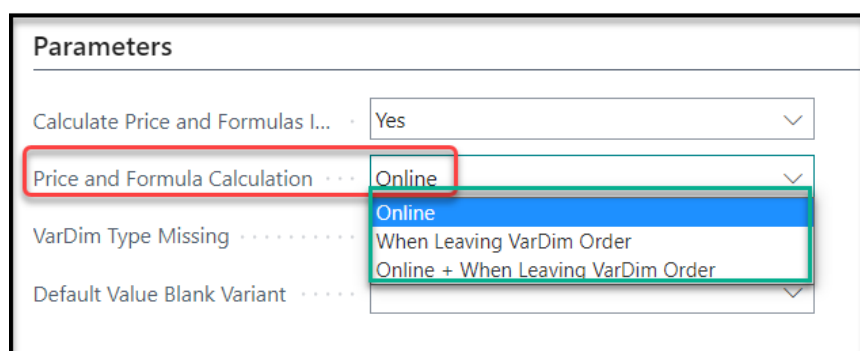
Here is an example: there could be a **Formula** connected to a **VarDim Master Line** that requires answers from other **VarDim Master Lines**. In that case you do not want to have this Formula executed when the **VarDim Order** is called, because the Formula is looking for Values that have not been entered yet. In that case, you get an error message, and the VarDim Order won't be opened. Therefore, on those VarDim Master Lines that have this risk, you'll have to set this parameter to *No*.

The setting of the **Calculate Price and Formulas Initially** in the VarDim Type is transferred to VarDim Master Line, as default value. It can be edited afterwards.

PRICE AND FORMULA CALCULATION

This field has to do with starting Price or Formula calculation also. This time it is about whether you want to have this done right after you enter an answer in the VarDim Order (*Online*) or wait until the VarDim Order is completed (*When Leaving VarDim Order*). You can also choose to do both.

The default Value is *Online*.



The screenshot shows the same 'Parameters' form. The second dropdown, 'Price and Formula Calculation', is highlighted with a red box and has its menu open, showing 'Online' as the selected option. The other dropdowns remain the same as in the previous screenshot.

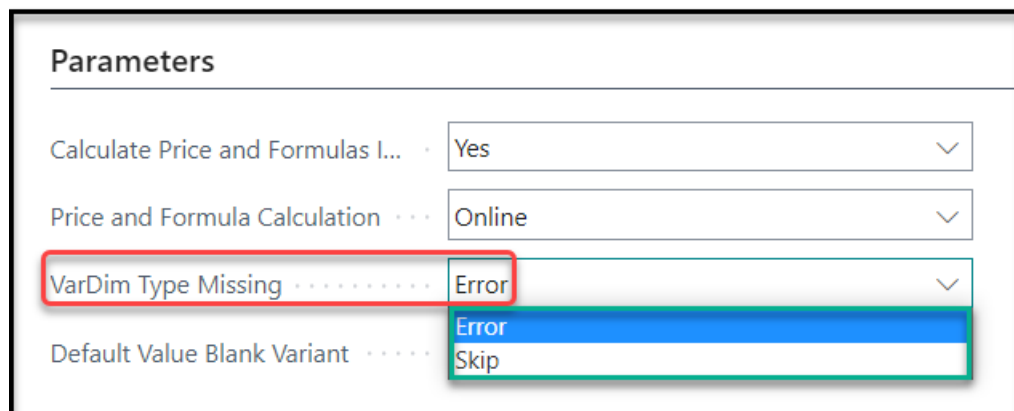
The **Price and Formula Calculation** setting will be transferred from the **VarDim Type** to the **VarDim Master Line** but will always be editable afterwards. This is also the case after it is transferred to the **VarDim Item** or **VarDim Order**.

VARDIM TYPE MISSING

The **VarDim Type Missing** field tells the system what to do if it encounters this **VarDim Type** in a **Formula** during the generation of a BOM structure that has not been a part of the **VarDim Master**.

If this setting on the VarDim Type is *Error*, then the Formula Calculation stops with an error message.

If this setting is Skip, then the Value of the missing VarDim Type is set to 0 or *blank* depending on the **Type** of the VarDim Type. The Formula calculation continues.



Parameters

Calculate Price and Formulas I... : Yes

Price and Formula Calculation : Online

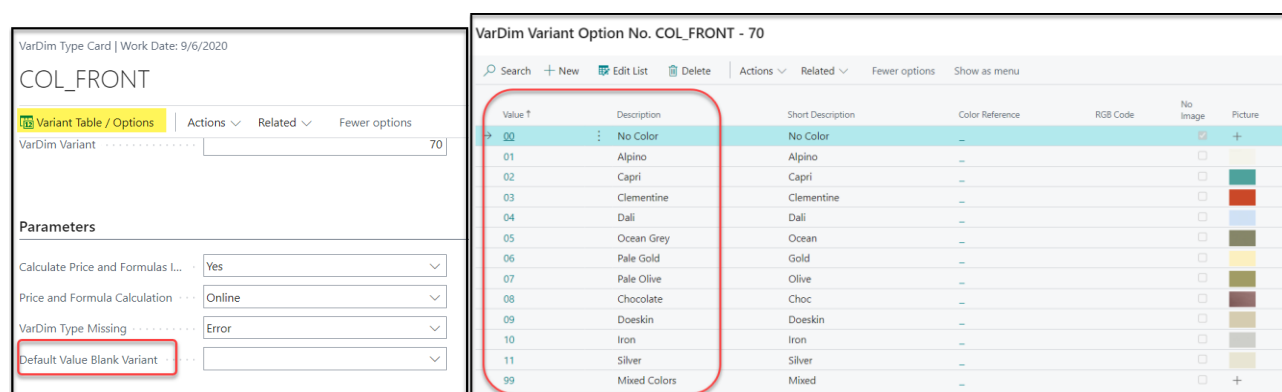
VarDim Type Missing : Error

Default Value Blank Variant : Skip

The default value of this setting is *Error*.

DEFAULT VALUE BLANK VARIANT

If a **VarDim Type** is of **Type Variant** and left *blank* during configuration, you can choose to have a default Value set as an answer. In that case, choose in the field **Default Value Blank Variant** a Value from the **Variant Options** Table belonging to this VarDim Type.



VarDim Type Card | Work Date: 9/6/2020

COL_FRONT

Variant Table / Options

VarDim Variant : 70

Parameters

Calculate Price and Formulas I... : Yes

Price and Formula Calculation : Online

VarDim Type Missing : Error

Default Value Blank Variant :

VarDim Variant Option No. COL_FRONT - 70

Value #	Description	Short Description	Color Reference	RGB Code	No Image	Picture
00	No Color	No Color	-		☒	+
01	Alpino	Alpino	-		☐	
02	Capri	Capri	-		☐	
03	Clementine	Clementine	-		☐	
04	Dali	Dali	-		☐	
05	Ocean Grey	Ocean	-		☐	
06	Pale Gold	Gold	-		☐	
07	Pale Olive	Olive	-		☐	
08	Chocolate	Choc	-		☐	
09	Doeskin	Doeskin	-		☐	
10	Iron	Iron	-		☐	
11	Silver	Silver	-		☐	
99	Mixed Colors	Mixed	-		☐	+

INSERT INTO PRODUCTION BOM

This functionality can automatically insert a Value on the **Item BOM**, as it interprets the Value of the **VarDim Type** as an **Item No.** This can only be done when the VarDim Type has **Type Code**, and the Variant Options table is a subset of the **Item List**. The field is greyed out when the VarDim Type is not of **Type Code**. How the Options table for VarDim Types with **Type Code** is setup, is discussed later in paragraph **Table Relations**.

Parameters

Calculate Price and Formulas I...
Yes

Price and Formula Calculation
Online

VarDim Type Missing
Error

Default Value Blank Variant

Insert into Production BOM
No

Allow Blank Dimension/Decimal
Before Generating BOM based on Item/Master BOM

Allow Blank Variant/Code

Use Value as Type Code

The default Value for the field **Insert into Production BOM** is *No*, which means that there is no action to do so. If you want to have the Item selected during the configuration on the Item BOM, you can choose whether you want to have those in the top (*Before Generating BOM based on Item/Master BOM*) or at the bottom of the BOM (*After Generating BOM based in Item/Master BOM*).

If the chosen Item is directly placed on the BOM, you also need to know what the **Quantity Per** should be. This can be filled in the **VarDim Order** in the field **Quantity**. Be aware that this column may not be visible initially.

Edit - VarDim Orders

Actions
Related

Description	Value	Name	Adjustment Amount Sales	Quantity	Dimen...
→ Chair Specification			0.00		No
Chair Type	01	Classic	2.00		No
Wood Type	20	Oak	0.00		No
Surface Treatment	00	Natural	0.00		No
Seat Specification			0.00		No
Seat Cover	00	Wood	0.00		No
Seat Color	00	Natural	0.00		No

ALLOW BLANK VALUES

In the FastTab **Parameters** of the **VarDim Type Card**, there are two Booleans present that needs to be set to *Yes* if the system should accept blank values for this **VarDim Type** in the **VarDim Item/VarDim Order**. The field **Allow Blank Dimension/Decimal** is used, if the **VarDim Type** is of **Type Dimension** or **Decimal**. The field **Allow Blank Variant/Code** is used, if the **VarDim Type** is of **Type Variant** or **Code**.

Parameters

Calculate Price and Formulas I...
Yes

Price and Formula Calculation
Online

VarDim Type Missing
Error

Default Value Blank Variant

Insert into Production BOM
No

Allow Blank Dimension/Decimal

Allow Blank Variant/Code

Use Value as Type Code

USE VALUE AS TYPE CODE

The options in the **Variant Options** table have an **alphanumeric** value to identify them. These alphanumeric Values could also consist only out of numbers as shown in example below. In these cases, the system could see these Values as integers. Sometimes you want this, sometimes you don't.

Setting a checkmark in **Use Value as Type Code** means, that you can also use special characters in the Values of your Variants. For instance: the Value .A or -A can be used. This way these special characters won't be seen as calculation tools. In general, with this Boolean you are able to manage how the system should see these Values. The default Value is *No*.

If set to *No*, the system will also not accept special characters and an error message will appear.

VarDim Variant Option No. COL_FRONT - 70

Search + New Edit List Delete Actions Related Fewer options Show as menu

Value ↑	Description	Short Description	Color Reference
00	No Color	No Color	—
01	Alpino	Alpino	—
02	Capri	Capri	—
03	Clementine	Clementine	—
04	Dali	Dali	—
05	Ocean Grey	Ocean	—
06	Pale Gold	Gold	—
07	Pale Olive	Olive	—
08	Chocolate	Choc	—
09	Doeskin	Doeskin	—
10	Iron	Iron	—
11	Silver	Silver	—
99	Mixed Colors	Mixed	—

Value ↑

Assortm...

.B

Validation Results

To use characters as -+/[.,|& {}#!^~@% the Use Value as Type Code must be set for the VarDim Type FURN_MAT!

NAMES OF VARIANT GROUPS

The options in the **Variant Options Table** can be divided in several groupings with a maximum of 10. By default, these groups are called *Group 0 Name* till *Group 9 Name*, but in the FastTab **Names of Variant Groups** you can rename the Captions of these fields.

In the example below we have renamed the Captions of three groups. In the VarDim Option table you can now see the names of the columns given in the **VarDim Type Card**.

Names of Variant Groups

Group 0 Name	Casual Group	Group 5 Name	
Group 1 Name	Numeric Group	Group 6 Name	
Group 2 Name	Text group	Group 7 Name	
Group 3 Name		Group 8 Name	
Group 4 Name		Group 9 Name	

Value ↑	Description	Short Description	Color Reference	RGB Code	No Image	Picture	Attribute Value	Casual Group	Numeric Group	Text group
01	XS	XS	—		☐	+	XS	XS-M	1	SMALL
02	S	S	—		☐	+	S	XS-M	1	SMALL
03	M	M	—		☐	+	M	XS-M	2	SMALL
04	L	L	—		☐	+	L	L-XXL	2	MEDIUM
05	XL	XL	—		☐	+	XL	L-XXL	3	MEDIUM
06	XXL	XXL	—		☐	+	XXL	L-XXL	3	MEDIUM
07	3XL	3XL	—		☐	+	3XL	3XL-5XL	4	LARGE
08	4XL	4XL	—		☐	+	4XL	3XL-5XL	4	LARGE
09	5XL	5XL	—		☐	+	5XL	3XL-5XL	5	LARGE

TABLE RELATIONS

If you have a **VarDim Type** of **Type Variant**, there is always an **Option** table attached, which is a subset of the **Variant Table** with a filter on the **VarDim Variant** number. However, it is possible in TRIMIT to use a subset of other Tables in the system.

In those cases, the VarDim Type is of **Type Code**, and you need to setup a **Table Relation** with the appropriate filters.

The first thing that has to be done setting up an Option Table that is an excerpt of an existing BC/TRIMIT table, is to define the appropriate Table in the **Table Relation**. You can also see a list of Tables that are mostly used for this feature.

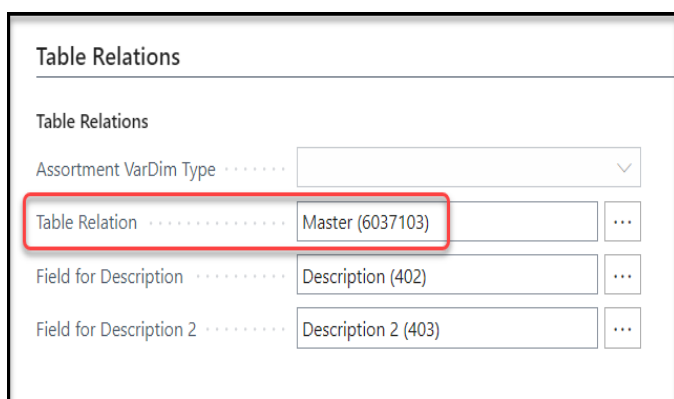
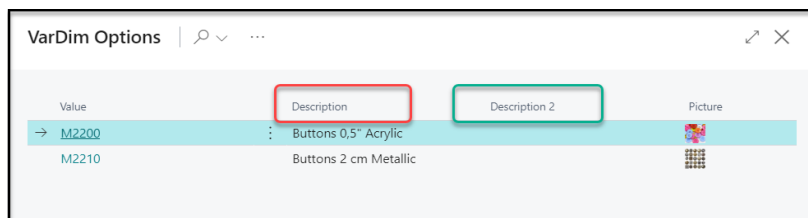
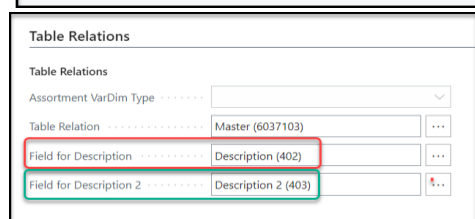


Table No.	Description
27	Item
6037103	Master
6037013	Operation
6037015	Work Center TRIMIT
23	Vendor
348	Dimension
167	Job
6037303	Prod. Series
14	Location
6036682	Group Code
9	Country/Region
4	Currency

In the screenshot below, you can see an example of a **VarDim Option** Table. The **Value** is the field from the related Table with the primary key. If the related Table has a picture, then you can also see the **Picture** in the VarDim Option table. Furthermore, you need to have the **Description** and **Description 2**, which are also Fields in the related Table. In the setup you define, which Fields of the related Table form the Descriptions in the VarDim Option Table.

The VarDim Option table is often not the complete related Table. With **Filters** it is possible to make a subset of the related Table.

By clicking on the **AssistEdit** button you define the Field of the related Table you want to filter on. In the example below it's the Field *Item Statistics Group 2*.

Then you can place the Filter on this Field. In the example below, the VarDim Option table shows a list of all **Masters** for which the **Item Statistics Group 2** has the value *935 (Buttons)*.

TRIMIT provides the possibility to set Filters on a maximum of 8 fields of the related Table.

Table Relations	
Table Relations	
Assortment VarDim Type	Master (6037103)
Table Relation	Description (402)
Field for Description	Description 2 (403)
Field for Description 2	

Filters	
Item Statistics Group 2 (426)	935
Add Filter	
Add Filter	
Add Filter	
Add Filter	
Add Filter	
Add Filter	
Add Filter	

A **VarDim Type** of **Type Code** can also be used for **Assortments**. In that case the **Table Relation** is the Table *Assortment (6037118)*. In the field **Assortment VarDim Type** the VarDim Type of **Type Variant** has to be defined. Because this is a feature often used in the Fashion industry, this **Assortment VarDim Type** is often a *Size Range* or a *Color Group*.

Table Relations	
Table Relations	
Assortment VarDim Type	SIZE_C
Table Relation	Assortment (6037118)
Field for Description	
Field for Description 2	

GROUPINGS

The FastTab **Groupings** has two fields: **Filter Group** and **VarDim Attribute Name**.

Groupings	
Filter Group	Filter Group 1
VarDim Attribute Name	TRIMIT_COLOR

In the field **VarDim Attribute Name** you can enter an **Item Attribute Name** (standard BC feature). If the **VarDim Type** has **Type Variant**, the **Variant Options** will be connected to Options of this **Item Attribute Name**.

Filtering on the TRIMIT Portals is initiated by the BC **Item Attributes**, which can be attached to the **Master, Item** and **VarDim Options**, if the setting described above has been done. In the FastTab **Groupings** you can set a **Filter Group**. You can choose *Filter Group 1 - 5*.

NOTE

For new implementations other way of filtering on the Portals are used then the Filter Groups. This feature will become as a part of TRIMIT legacy and will probably be removed in versions to come.

VARDIM MASTER CARD

INTRODUCTION

VarDim Types can be placed on the **VarDim Master** of a specific Product. This Page is actually the **VarDim Master List**. On a specific Product some of the Fields of the VarDim Type may deviate from the generic Fields. This is set on the **VarDim Master Card** that can be opened from the VarDim Master by selecting the appropriate **VarDim Master Line** and then click **Card**.

In the example below we have selected the Line with **VarDim Type CHAIRTYPE**. If you then click on **Card**, the VarDim Master Card of **CHAIRTYPE** will be opened.

Edit - VarDim Master List - 5010 · Chair Pollux				
Search + New Edit List Delete Card Variant Table Copy Actions Related Fewer options				
Type	VarDim Type	Description	VarDim Type Placement in Item No.	
Headline	CHAIR	Chair Specifications		
→ Variant	CHAIRTYPE	Chair Type		
Variant	WOOD	Wood Type		
Variant	SURFACE	Surface Treatment		
Headline	SEAT	Seat Specifications		
Variant	SEAT_MAT	Seat Material		
Variant	SEAT_COL	Seat Color		

The VarDim Master Card shows a selection of the Fields that are also on the VarDim Type. Primarily the Values are inherited from the VarDim Type Card, but they can be changed for this Master specifically. However, there are also Fields on the VarDim Master Card that are not on the VarDim Type. These are discussed in the next paragraphs.

VarDim Master Card | Work Date: 9/6/2020

Master · 5010 · 20000

General

VarDim Type

CHAIRTYPE

Description

Chair Type

Relation

Master

Misc. Parameters

Type

Variant

Search Method

O/S (Overlying Level/Start Level)

Consistent Inheritance

VarDim Type Placement in Item No.

Grouping

Sales 1

Search Unit Price Adjustment

Yes

Skip Insert VarDim Order

Skip Recalculation of Related Order

VarDim Variant

57

Formula Calculation

Calculate Price and Formulas Initially

No

Price and Formula Calculation VarDim

Online

Recalculate

Formula VarDim Item

Formula VarDim Sales

Formula VarDim Production

Formula VarDim Purchase

Portal

Calculate Price and Formulas Portal

Yes

Portal Control Setup

DROPD_WITH_IMG

Web Grouping

Group 1

REV: 01-09-2023

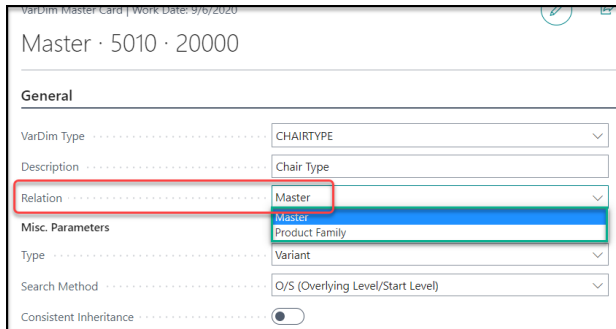
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RELATION

In the Field **Relation**, there are two options. The default value is *Master*, which means that the setup for this VarDim Master Card is valid for this **Master**.

If the option *Product Family* is chosen, then this setting is valid for all Masters belonging to the same **Product Family**.



VarDim Master Card | Work Date: 9/10/2020

Master · 5010 · 20000

General

VarDim Type CHAIRTYPE

Description Chair Type

Relation Master

Misc. Parameters

Type Variant

Search Method O/S (Overlying Level/Start Level)

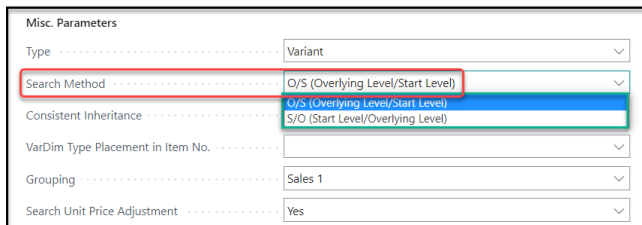
Consistent Inheritance ☐

SEARCH METHOD

The **Search Method** decides how the program will search for a Value of a **VarDim Type** when it is used in TRIMIT Formulas. There are two Options:

- O/S (Overlying Level/Start Level): Search direction from Overlying Level and upwards.
- S/O (Start Level/ Overlying Level): Search direction from Start Level and downwards.

The default value is *O/S (Overlying/Start Level)*.



Misc. Parameters

Type Variant

Search Method O/S (Overlying Level/Start Level)

Consistent Inheritance ☐

VarDim Type Placement in Item No.

Grouping Sales 1

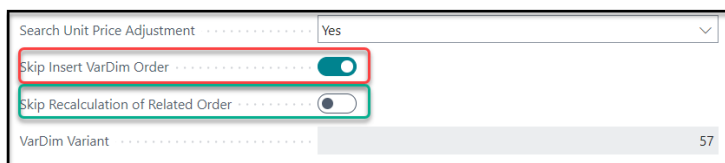
Search Unit Price Adjustment Yes

SKIP INSERT VARDIM ORDER

The Boolean **Skip Insert VarDim Order** is only working if on the **VarDim Type** the field **Permanent or Optional** is set as *Permanent*. That means that after entering a Value in the VarDim Item/Order, the Value cannot be changed anymore.

You can decide not to see the VarDim Type in the **VarDim Order** anymore. In that case this field should be set on *Yes*. This is the default setting.

If the setting is *No*, then the VarDim Type and Value are shown in the VarDim Order on **Sales, Purchase and Production Lines** but cannot be edited.



Search Unit Price Adjustment Yes

Skip Insert VarDim Order ☒

Skip Recalculation of Related Order ☐

VarDim Variant 57

SKIP RECALCULATION OF RELATED ORDER

The Boolean **Skip Recalculation of Related Order** is only used in connection with **Make-to-Order Items** for which a **Related Order** has been created. It determines whether the **Related Order** will be recalculated after changing the **VarDim Order**.

The default value is *No*, which means that the Related Order will be recalculated.

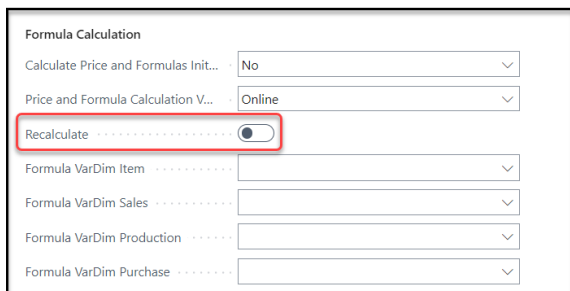
If the Boolean is set on *Yes*, then recalculation won't take place after an eventual change in the VarDim Order.

NOTE

Only set the Boolean **Skip Recalculation of Related Order** to *Yes* on when the VarDim Order Value of this **VarDim Type** has no influence on the related Production or Purchase Order. In that case unnecessary recalculation is prohibited.

RECALCULATE AND TO BE RECALCULATED

The fields **Recalculate** and **To Be Recalculated** work together. Note that the field **To Be Recalculated** is not visible on the **VarDim Master Card** by default.



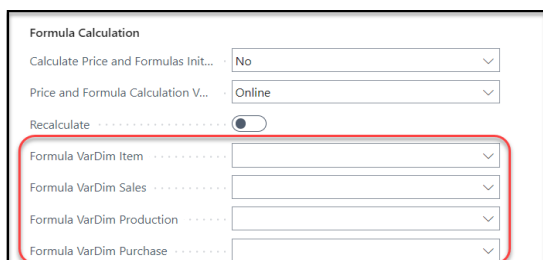
If the field **Recalculate** on a VarDim Master Card is set to *Yes*, then not only the **Formula** attached to this **VarDim Master Line** is calculated, but also the Formulas on other VarDim Master Lines that have set the Boolean **To Be Recalculated** to *Yes*.

The default Value of both settings is *No*.

These settings on the VarDim Master are only working when entering a VarDim Order. If there is already a VarDim Item in play, then these settings won't have any influence.

FORMULA EXECUTION

On the **VarDim Master Card** you can set **Formulas**, which will be executed depending on when they are called. These **Formulas** are called configuration Formulas and their purpose is to influence Values while configuring.



A Formula in the field **Formula VarDim Item** will be executed when a new **Item** is created from the **Master Card** and with that also a **VarDim Item**.

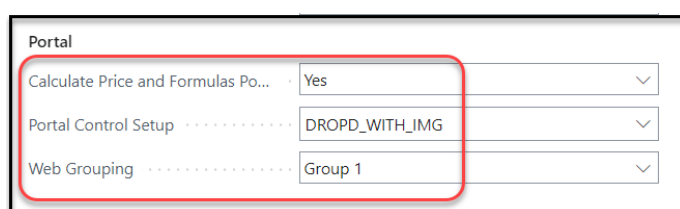
A Formula in the field **Formula VarDim Sales** will be executed when entering a **VarDim Order** in the **Sales Line**.

A Formula in the field **Formula VarDim Production** will be execute during configuration of an Item on a **Production Order Header**.

A Formula in the field **Formula VarDim Purchase** will be executed when entering a **VarDim Order** in the **Purchase Line**.

PORTAL SETTINGS

On the **VarDim Master Card** you have some parameters that determine how this VarDim Type behaves on the TRIMIT Portals depending on the Master.



The Field **Calculate Price and Formulas Portal** is default set on *Yes*.

This setting is required, if after entering a Value on the Portals there is a need to have a look in the ERP database, because a **Formula** has to be executed, a **VarDim Price Adjustments** needs to be pulled or when Values are depending on other values (**Overall/Subordinate** table).

For performance reasons you could prohibit to make connection with the database – especially when there is no need for it. In that case this setting should be set on *No*.

The field **Portal Control Setup** determines the Look & feel on the Portal. For instance, should it have a Drop-Down menu for **Variant** options and if it should have Pictures in it and if so: big or small? Or is it a Dimension that you should enter in a decimal field or perhaps using a slider? These options can be set in the **Portal Control Setup** Table.

Select - Portal Control Setup							
Code ↑	Type	Template	Minimum Value	Maximum Value	Interval	Custom Attribute	
→ DROPD_TE...	Drop Down	Text	0.00	0.00	0.00		
DROPD_WI...	Drop Down	ImageAndText	0.00	0.00	0.00		
RGB_TEXT	Drop Down	RGBAndText	0.00	0.00	0.00		
SLIDER_0.5	Slider	ImageAndText	0.00	100.00	0.50		
SLIDER_1	Slider	ImageAndText	0.00	100.00	1.00		
SLIDER_5	Slider	ImageAndText	0.00	100.00	5.00		
SLIDER_50	Slider	ImageAndText	0.00	500.00	50.00		

The **Type** has the options *Default*, *Drop Down*, *Selection* and *Slider*.

The **Template** has the options:

☒ Text

☐ Image

☐ Image and Text

☐ Image and Big Text

☐ RGB and Text

☐ RGB and Big Text

OK
 Cancel

The combination of the **Type** and the **Template** determines how it will look on the TRIMIT Portals.

For configuration there could be a long list of questions. For the TRIMIT web shops we provide a feature that can cut this list in several **Web Groupings**. This can go up till 10. On the Website every **Web Grouping** has its own Tab of questions. The name of the Tab is the text of the (translated) Description of the first VarDim Type in the VarDim Master of a specific grouping.

Edit - VarDim Master List - 5010 - Chair Pollux

Type	VarDim Type	Description	VarDim Type Placement in Item No.	Consistent Inheritance	Dimension 2	Search Unit Price Adjustment	Web Grouping
→ Headline	CHAIR	Chair Specifications		☐	No	No	Group 1
Variant	CHAIRTYPE	Chair Type		☐	No	Yes	Group 1
Variant	WOOD	Wood Type		☐	No	Yes	Group 1
Variant	SURFACE	Surface Treatment		☐	No	Yes	Group 1
Headline	SEAT	Seat Specifications		☐	No	No	Group 2
Variant	SEAT_MAT	Seat Material		☐	No	Yes	Group 2
Variant	SEAT_COL	Seat Color		☐	No	No	Group 2



Master no. 5010

Chair Specification
 Seat Specification

Chair Type
Choose...

Wood Type
Choose...

Surface Treatment
Choose...

Quantity
1 Calculate

If the field **Web Grouping** is set on the option *Hide*, the VarDim Type won't be visible on the TRIMIT Portals.

Web Grouping

Group 1
 Group 2
 Group 3
 Group 4
 Group 5
 Group 6
 Group 7
 Group 8
 Group 9
 Group 10
 Hide

For more information about the Portal setting, we would like to refer to the appropriate Portal White Papers.

VARIANT TABLE

INTRODUCTION

In this chapter the outcome of the **VarDim Types** is discussed. For VarDim Types of **Type Variant**, this will be the Variant Table. The Variant table can be called on different places:

1. From the VarDim Master (List)

Edit - VarDim Master List - 5010 · Chair Pollux

Type	VarDim Type	Description	VarDim Type Placement in Item No.
Headline	CHAIR	Chair Specifications	
→ Variant	CHAIRTYPE	Chair Type	
Variant	WOOD	Wood Type	
Variant	SURFACE	Surface Treatment	
Headline	SEAT	Seat Specifications	
Variant	SEAT_MAT	Seat Material	
Variant	SEAT_COL	Seat Color	

2. From the VarDim Type List

Select - VarDim Type List

Type	No.	VarDim Variant	Dimen...	Limited usage	VarDim Attribute Name
→ Variant	CHAIRTYPE	57	No	VarDim Ma...	
Variant	COL_FRONT	76	No	VarDim Ma...	TRIMIT_COLOR
Variant	COL_MELAM	11	No	VarDim Ma...	TRIMIT_COLOR
Variant	COLLAR_COL	10	No	VarDim Ma...	TRIMIT_COLOR
Variant	COLLARTYPE	40	No	VarDim Ma...	TRIMIT_COLOR
Variant	COLOR_1	10	No	VarDim Ma...	TRIMIT_COLOR
Variant	COLOR_2	11	No	VarDim Ma...	TRIMIT_COLOR
Variant	COLOR_LAM	70	No	VarDim Ma...	TRIMIT_COLOR
Variant	COLOR_OIL	63	No	VarDim Ma...	TRIMIT_COLOR
Variant	COLOR_RAL	62	No	VarDim Ma...	TRIMIT_COLOR
Variant	COLORSHELF	70	No	VarDim Ma...	TRIMIT_COLOR

3. From the VarDim Type Card

VarDim Type Card | Work Date: 9/6/2020

CHAIRTYPE

Variant Table / Options

General

Type	Variant	Limited usage	VarDim Master
No.	CHAIRTYPE	Permanent or Optional	W (Optional with Default)
VarDim Type Name	Chair Type	Descriptions	
Description	Chair Type	Field used in Item Description 2	Description
VarDim Variant	57	Field used in Matrix Y-Axis De...	Description
		Field used in Matrix X-Axis De...	Short Description

However, also VarDim Type of **Type Dimension** and **Type Code** can come with options.

For VarDim Types of **Type Code** the Option table is discussed in the chapter [VarDim Type](#). In that chapter is explained how a subset of any TRIMIT/BC can be created based on **Filters** that can act as an Option Table. This feature won't be discussed in this chapter.

For working with Options for **Type Dimension**, this is discussed in the chapter [Configuration Control](#).

VARDIM VARIANT OPTION TABLE

If you click on the button **Variant Table** the **VarDim Variant Option Table** opens, if the **VarDim Type** has **Type Variant**.

Note that this table shows all options that are created in this table. It does not take **Positive List** and **Negative List** into consideration. This could be confusing, because you may also see the options that are not valid for a specific **Master** even if you call this table from its **VarDim Master**.

VarDim Variant Option No. WOOD - 50						
Search + New Edit List Delete Actions Related Fewer options Show as menu						
Value ↑	Description	Short Description	Color Reference	RGB Code	No Image	Picture
→ 10	Ash	Ash	—		☐	
11	Ash Oil	AshOil	—		☐	
12	Ash Whiteoil	AshWhiteoil	—		☐	
20	Oak	Oak	—		☐	
21	Oak Oil	OakOil	—		☐	
22	Oak Whiteoil	OakWhiteOil	—		☐	
23	Oak Soap	OakSoap	—		☐	
24	Oak Black	OakBlack	—		☐	
25	Oak Smoked	OakSmoke	—		☐	
30	Walnut	Walnut	—		☐	
40	Beech	Beech	—		☐	

VALUE

The **Value** is the identifier of the **Variant Option**. Together with the **VarDim Variant** number on the **VarDim Type Card**, it makes the particular variant Option unique.

In the previous chapters is discussed how the Value can be a part of a newly created **Item No.** The placement in the Item No. is determined by the **No. System**. Therefore, the number of digits should be identical for all Values in **VarDim Variant Option** table.

The value can be *alphanumeric* and should not have more than 5 digits, if it becomes a part of any Item No.

DESCRIPTION AND SHORT DESCRIPTION

The **Description** and the **Short Description** are fields in which the **Variant** option is described. The only difference between the two, is that they can be used in different places. For instance, in a **Matrix**, you want to have the **Description** on the *Y-Axis*, but if the VarDim Type should form the *X-Axis* of a Matrix, the **Short Description** can be used.

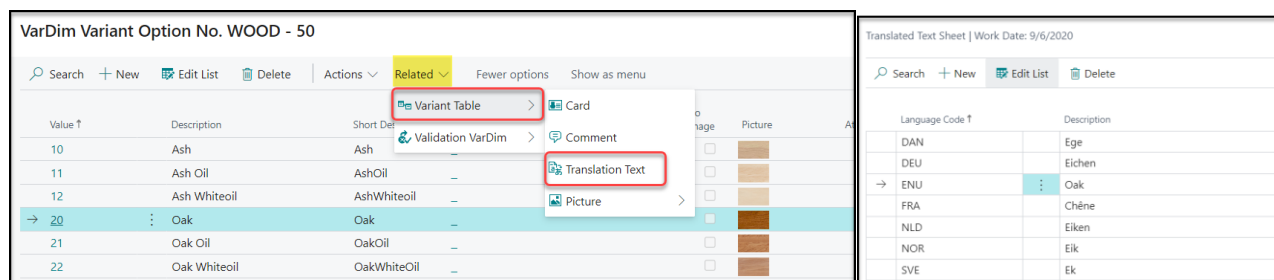
The setup is described in chapter [VarDim Type](#) paragraph **Field Descriptions**.

TRANSLATIONS

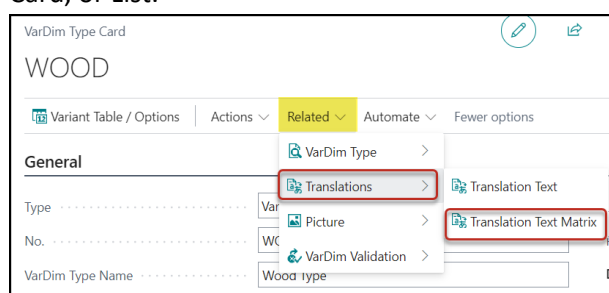
The **Description** can also have translations which can be entered via **Related, Variant Table, Translation Text**.

The **Translation Text** is a table in which all translations can be entered for a specific Description. In the example below, you find all kind of translations for de **Description Oak**. Depending on the Language Code

of the Customer/ Vendor the appropriate translation will be picked for the external documents if the parameter **Use Customer/Vender Language Code** in the Inventory Setup is set to **Yes**.



It is however also possible to fill the **Translation Text** for all the Variant Options of a VarDim Type in one Matrix. Therefore, you need to click **Related, Translations, Translation Text Matrix** in the VarDim Type Card, or List.



The Lines are the **Language Codes**, and the Columns are the **Variant Options**.

Code	Name	Ash	Ash Oil	Ash Whiteoil	Oak	Oak Oil	Oak Whiteoil	Oak Soap	Oak Black
BGR	Bulgarian								
CHS	Simplified Chinese								
CSY	Czech								
DAN	Danish	Aske	Aske olie	Aske hvidt olie	Ege	Ege olie	Ege hvidt olie	Ege sæbe	Ege sort
DEA	German (Austrian)								
DES	German (Swiss)								
DEU	German	Esche	Esche Öl	Esche weiss Öl	Eichen	Eichen Öl	Eichen weiss Öl	Eichen seife	Eichen Schwarz
ELL	Greek								
ENA	English (Australian)								
ENC	English (Canadian)								
ENG	English (United Kingdom)								
ENI	English (Ireland)								
ENP	English (Philippines)								
ENU	English	Ash	Ash Oil	Ash Whiteoil	Oak	Oak Oil	Oak Whiteoil	Oak Soap	Oak Black
ENZ	English (New Zealand)								
ESM	Spanish (Mexico)								
ESO	Spanish (Colombia)								
ESP	Spanish								
ESR	Spanish (Peru)								

PICTURE MANAGEMENT

On the main **Master** and **Item** Card Pictures can be uploaded. TRIMIT has also developed a **Drag & Drop** feature to get the Pictures on the Master and Item Cards. This could also be done for Pictures of the **Variant Options**. However, there are some requirements that need to be met in order to do so. This is described in a separate White Paper **TRIMIT Drag and Drop**.

The Pictures uploaded to the **VarDim Type** are generic pictures. They can be made Master specific by uploading them on Master level. In the example below you can see the generic VarDim Option Pictures for

the **VarDim Type** *COLOR_1* and the specific ones for the selected colors of *COLOR_1* on Master 2100 (*Lily Blouse*).

Value ↑	Description	Short Description	Color Reference	RGB Code	No Image	Picture
25	Navy	Navy	—		☐	
27	Steelblue	Steelblue	—		☐	
30	Yellow	Yellow	—		☐	
35	Orange	Orange	—		☐	
37	Dark Orange	Dk Orange	—		☐	
40	Brown	Brown	—		☐	
50	Sand	Sand	—		☐	
60	Forest Green	Forest	—		☐	
65	Lawn Green	Lawn	—		☐	
70	Red	Red	—		☐	
72	Fire Red	Fire Red	—		☐	
73	Pink	Pink	—		☐	

Variant 1

COLOR_1
Garment/Fabric Colors

Pict...

Value ↑
Alternative Description

 20 Royal Blue

 21 Light Blue

 30 Yellow

 35 Orange

 37 Dark Orange

For defining the right colors there are many industry-specific color tables. Examples are **Pantone** Colors (fabrics), **RAL** Colors (paints and lacquers) or **RGB** colors. In TRIMIT you are able to create the Pictures for colors automatically in a VarDim Type based on a **RGB Code**.

You can even determine if it should be based on a **Reference Color** that can be created based on **RGB Codes**, **RAL Colors** or **Pantone Nos**.

You can find the Reference Color List via **Search, Color Reference**.

Tell me what you want to do

Color Ref

Go to Pages and Tasks

Color Reference
Administration

In this List, you can create **Color References** based on **RGB Selection**, **Pantone Selection** or **RAL Selection** via **Actions, Update Conversion List**.

Color Reference
Saved

Search
New
Edit List
Delete
Actions
Automate
Fewer options

Update Conversion List

Color Reference ↑	Description	RGB Code	RGB Code (Hex)	Image
→ RGB alice blue		240,248,255	#F0F8FF	
RGB antique white				
RGB aqua				
RGB aqua marine				
RGB azure				
RGB beige				
RGB bisque				
RGB Black				
RGB blanched almond		255,235,205	#FFEB CD	
RGB Blue		0,0,255	#0000FF	
RGB blue violet		138,43,226	#8A2BE2	

Info

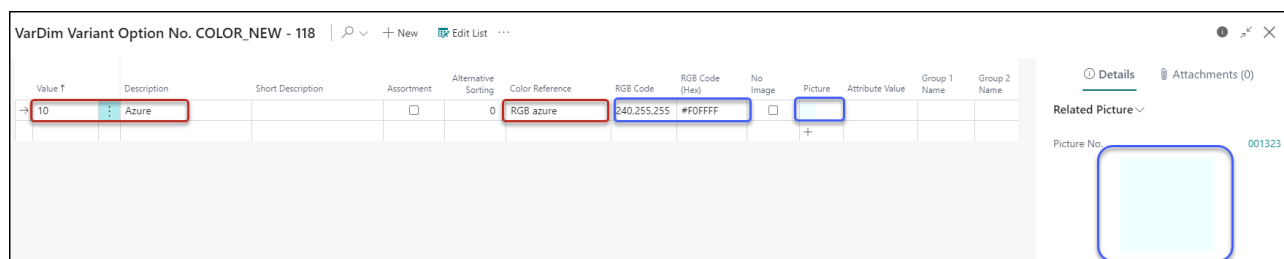
☒ RGB Selection
☐ PANTONE Selection
☐ RAL Selection

OK
Cancel

These automatic generated **Color References** with predefined **RGB Codes** will get automatic created Images and can then be used in your VarDim Type Variant Options.

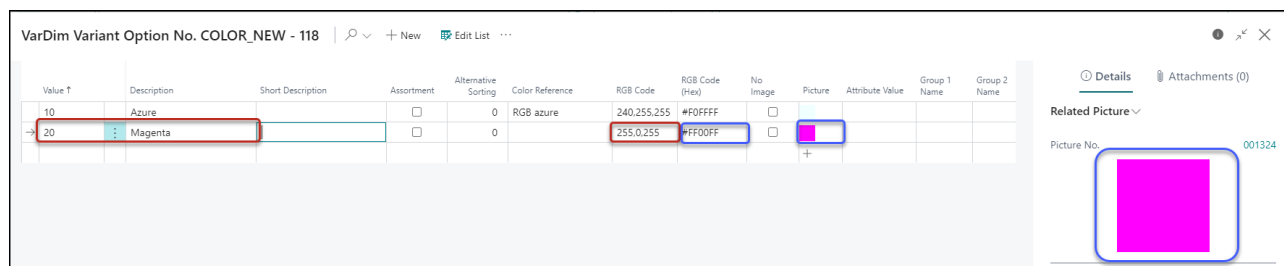
Note that it is not necessary to use the **Color References**. You can always upload any picture manually – especially for Variants for which there are no standards available – or use the Drag & Drop feature.

But if you do use **Color References**, you can create the Variants for your Color VarDim Types including the Picture. You enter the **Value**, the **Descriptions** and select a **Color Reference**. The system will now fill the **RGB Code**, the **RGB Code (Hex)** and connect the Picture to it: all based on the **Color Reference** that was chosen.



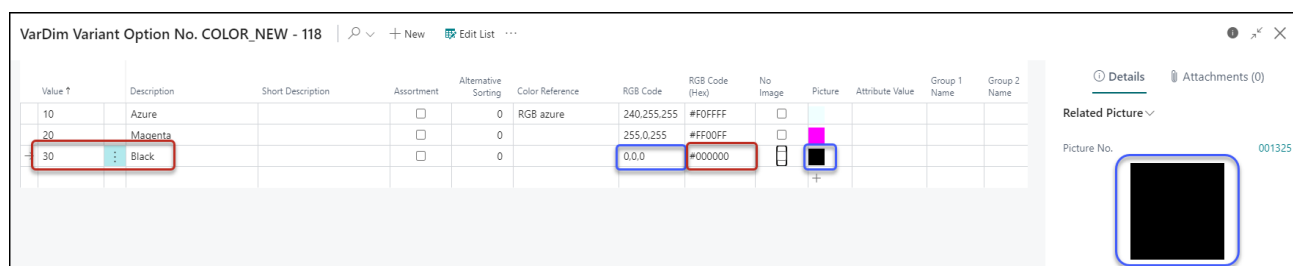
Value	Description	Short Description	Assortment	Alternative Sorting	Color Reference	RGB Code	RGB Code (Hex)	No Image	Picture	Attribute Value	Group 1 Name	Group 2 Name
10	Azure		☐	0	RGB azure	240,255,255	#FFFFFF	☐				

By using the **RGB Code**, you can create the Variants for your Color VarDim Types including the Picture. You enter the **Value**, the **Description** and the **RGB Code**. The system will now fill the **RGB Code (Hex)** and connect the Picture to it: All based on the **RGB Code**.



Value	Description	Short Description	Assortment	Alternative Sorting	Color Reference	RGB Code	RGB Code (Hex)	No Image	Picture	Attribute Value	Group 1 Name	Group 2 Name
20	Magenta		☐	0	RGB azure	255,0,255	#FF00FF	☐				

By using the **RGB Code (Hex)**, you can create the Variants for your Color VarDim Types including the Picture. You enter the **Value**, the **Description** and the **RGB Code (Hex)**. The system will now fill the **RGB Code** and connect the Picture to it: All based on the **RGB Code (Hex)**.



Value	Description	Short Description	Assortment	Alternative Sorting	Color Reference	RGB Code	RGB Code (Hex)	No Image	Picture	Attribute Value	Group 1 Name	Group 2 Name
30	Black		☐	0	RGB azure	0,0,0	#000000	☐				

NOTE

The RGB Code (Hex) is a hexadecimal number that identifies a specific color. This code is used for coloring Pictures on the TRIMIT Commerce Portals during Visual Configuration. This way there are less Pictures needed, and you don't have to manufacture samples in all kinds of colors.

The **Description** of the automatic created Pictures that are connected to a VarDim Variant Option based on an **RGB Code**, will be constructed based on the **VarDim Variant** of the VarDim Type, the **Value** of the Variant Option, and the **Description** of the **Value**.

ATTRIBUTE VALUE

In standard BC the **Item Attributes** are introduced. TRIMIT has made it possible to have an **Attribute Value** on the Variants. All the standard BC features regarding Item Attributes can be used for instance for statistical purposes.

In the example below, you can see how the different colors have **Attribute Values** of head colors on which you want to do statistics.

Value	Description	Short Description	Color Reference ↑	RGB Code	RGB Code (Hex)	No Image	Picture	Attribute Value
→ 20	Royal Blue	Blue	—		#0000CC	☐		Blue
21	Light Blue	Lt Blue	—		#ADD8E6	☐		Blue
23	Ocean Blue	Ocean	—		#007AE4	☐		Blue
25	Navy	Navy	—		#000080	☐		Blue
27	Steelblue	Steelblue	—		#0059A4	☐		Blue
30	Yellow	Yellow	—		#FFFF01	☐		Yellow
35	Orange	Orange	—		#FFA500	☐		Red
37	Dark Orange	Dk Orange	—		#F29100	☐		Red
40	Brown	Brown	—		#8B4413	☐		Brown
50	Sand	Sand	—		#F5A462	☐		Brown
60	Forest Green	Forest	—		#008000	☐		Green
65	Lawn Green	Lawn	—		#B1C753	☐		Green
70	Red	Red	—		#FF0000	☐		Red
72	Fire Red	Fire Red	—		#EA0055	☐		Red
73	Pink	Pink	—		#FFC0CB	☐		Red
75	Magenta	Magenta	—		#FF00FF	☐		Red

CONFIGURATION CONTROL

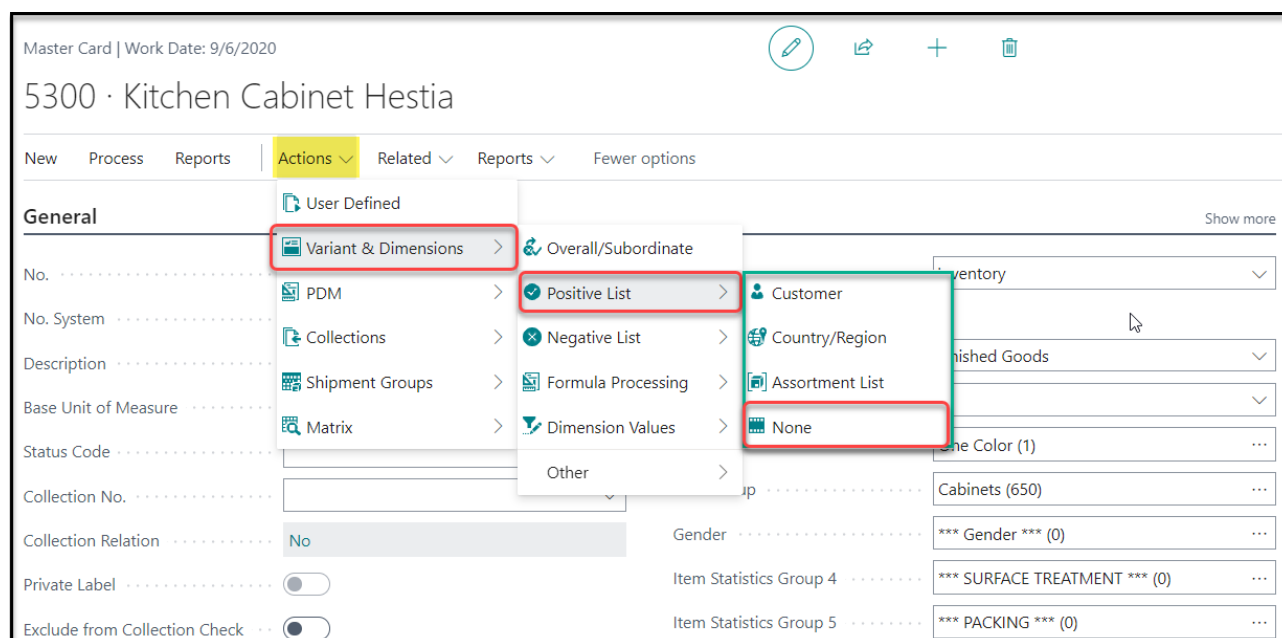
INTRODUCTION

As mentioned in previous chapters a VarDim Type can be attached to VarDim Masters of different Products. However, that does not mean that – in case of an option table – all Options are valid or that – in case of VarDim Type of **Type Dimension**- the range is the same for all Products. It is also possible that particular choices are depending on earlier choices during configuration.

To control the configuration TRIMIT has several tools in the system. These are discussed in this chapter.

POSITIVE LIST

Let's start with the **Positive List**. This list can be reached on the Master Card by following the path: **Actions, Variant & Dimensions, Positive List**.



You can choose between four options, which are discussed below. The hierarchy of the options is Top-Down, which means that the options higher in the list rules over options lower in the list.

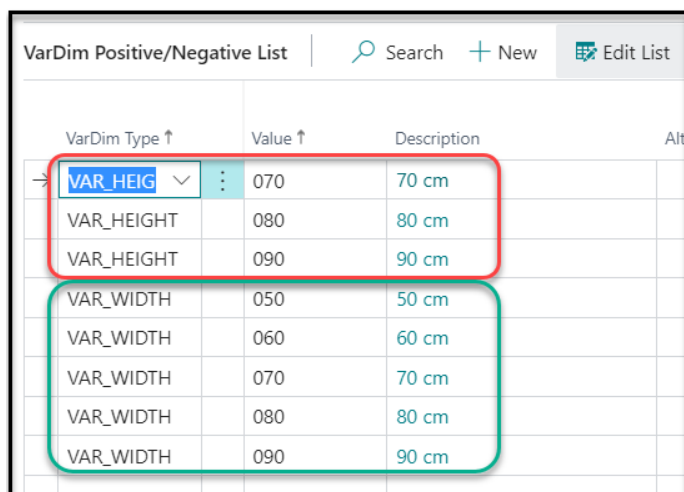
Positive/ Negative List Options	Description
<i>Customer</i>	List only applies for specific Customers
<i>Country/Region</i>	List only applies for Customers from a specific Country/Region
<i>Assortment List*)</i>	List is only used by the program in connection with creation of assortments (Do not insert values manually!)
<i>None</i>	The Positive/ Negative List is used globally

*) Only for Positive List, this is not an option for the Negative List.

The **Positive List** can only be set for VarDim Types of **Type Variant**.

In this list you can enter per VarDim Type the **Variant** options that are valid for this specific Product.

In the example below, you see that for **Master 5300 (Kitchen Cabinet)** the **VAR_HEIGHT Height Variants (cm)** can come in 3 different measures and the **VAR_WIDTH Width Variants (cm)** in 5. (Note that in this case the *Height* and the *Width* are defined as VarDim Type of **Type Variant** and not as a *Dimension*, because these measurements only come in discrete values.)



VarDim Type ↑	Value ↑	Description	Alt
VAR_HEIGHT	070	70 cm	
VAR_HEIGHT	080	80 cm	
VAR_HEIGHT	090	90 cm	
VAR_WIDTH	050	50 cm	
VAR_WIDTH	060	60 cm	
VAR_WIDTH	070	70 cm	
VAR_WIDTH	080	80 cm	
VAR_WIDTH	090	90 cm	

This means that during the configuration you can only chose for the values for the *Height* and the *Width* from this **Positive List**. It ignores eventual other Values in the Variant table. They may be necessary for other Products, which may have a different **Positive List**.

NOTE

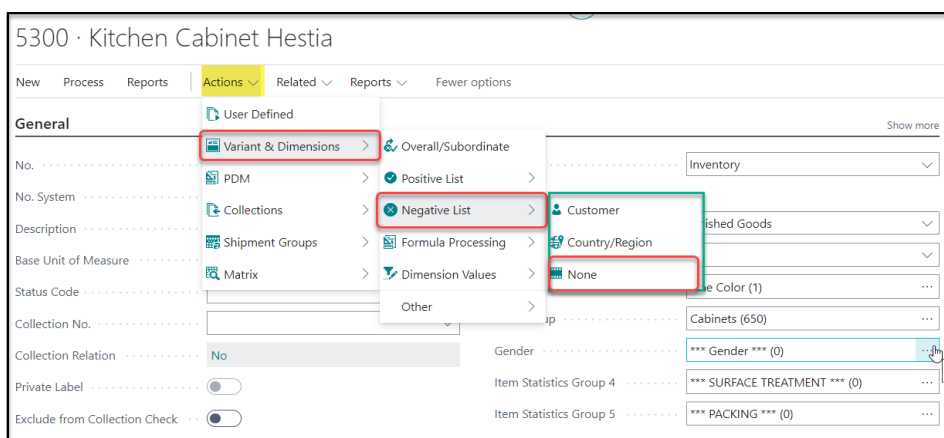
If a **VarDim Type** does not appear in the **Positive List**, it means that all Values are valid. (Except for the ones added in the **Negative List**.)

NEGATIVE LIST

The **Negative List** can be reached on the Master Card by following the path:

Actions, Variant & Dimensions, Negative List.

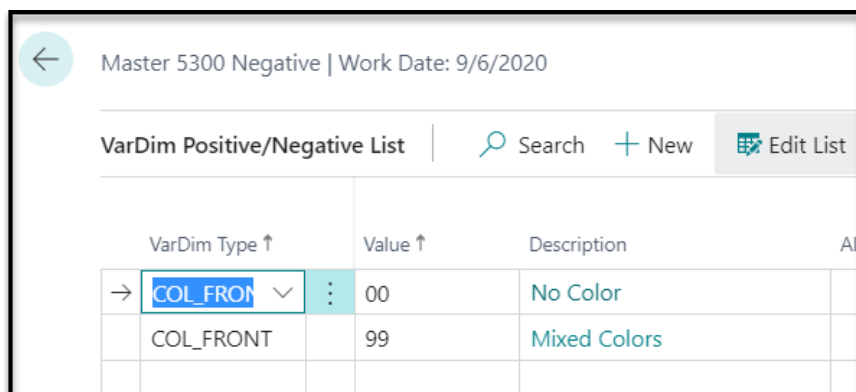
The options to choose from are discussed in the previous paragraph **Positive List**.



The **Negative List** can only be set for VarDim Types of **Type Variant**.

In this list you can enter per VarDim Type the **Variant** options that are not valid for this specific Product.

In the example below, you see that for **Master 5300 (Kitchen Cabinet)** the *COL_FRONT Front Color* can come in all colors except **Values 00 and 99**.



VarDim Type ↑	Value ↑	Description	Alt
→ COL_FRONT	00	No Color	
COL_FRONT	99	Mixed Colors	

This means that during the configuration you can only chose for the *Front Color* all Values except the ones in the **Negative List**. If you have Values for this VarDim Type in the **Positive List**, then only those ones are valid.

NOTE

If a VarDim Type does not appear in the **Negative List**, it means that all Values are valid, unless you have Values for this VarDim Type in the **Positive List**.

WHEN TO USE POSITIVE LIST OR NEGATIVE LIST?

It looks like that you can achieve the same goal using a Positive List or a Negative List other than that you approach it from a different site. So, the obvious choice is to work with a **Positive List**, when only a few **Values** are Valid from a large **Variant** table. When the majority of Values is Valid, it seems obvious to choose for the **Negative List** to exclude the few Values that are not valid.

However, although the result looks the same, there is a small procedural difference that should be taken into consideration. For instance, what should happen, when you add a new **Option** to the Variant table of a certain **VarDim Type**?

On Masters that have a **Positive List** for that VarDim Type nothing happens. If this new Option is Valid, then you'll have to add the Value of this Option to the **Positive List**.

For Masters that have a **Negative List** for that VarDim Type, the Value becomes immediately Valid during configuration, because it is not a part of the **Negative List**.

Due to this difference between working with a **Positive-** or **Negative List**, during the implementation phase it needs to be discussed, which scenario is more desirable for which VarDim Type, when a new Option is added to the Variant table.

NOTE

The **Positive-** and **Negative List** are maintained in the system in the same Table.

OVERALL/SUBORDINATE

During the configuration process it is often the case that certain options are depending on earlier choices. For instance, when you upholster a chair with *leather*, there are other *colors* to choose from than when you upholster it with a *fabric*.

In that case you can create per **Master** an **Overall/Subordinate** table in which you setup all the valid combinations. In the screenshot below you can see for different **Seat Materials** (55=Leather, 88=Fabric) the **Colors** that are valid.

Edit - Overall/subordinate VarDim For Master 5200

Search + New Edit List Delete More options

Inactive	Sorting	Relation 2 ↑	Relation 2 No. ↑	Overall VarDim Type ↑	Overall Value ↑	Description Overall VarDim	Subordinate VarDim Type ↑	Subordinate Value ↑	Description Subordinate VarDim
→	☐		None	SOFA_MAT	55	Leather	SOFA_COL	01	White
	☐		None	SOFA_MAT	55	Leather	SOFA_COL	40	Brown
	☐		None	SOFA_MAT	55	Leather	SOFA_COL	82	Eggplant
	☐		None	SOFA_MAT	55	Leather	SOFA_COL	85	Mauve
	☐		None	SOFA_MAT	55	Leather	SOFA_COL	99	Black
	☐		None	SOFA_MAT	88	Fabric	SOFA_COL	20	Blue
	☐		None	SOFA_MAT	88	Fabric	SOFA_COL	60	Green
	☐		None	SOFA_MAT	88	Fabric	SOFA_COL	70	Red
	☐		None	SOFA_MAT	88	Fabric	SOFA_COL	80	Purple
	☐		None	SOFA_MAT	88	Fabric	SOFA_COL	90	Grey
	☐		None	SOFA_MAT	88	Fabric	SOFA_COL	95	Charcoal

Please note that dependencies have a search direction from top – down in the **VarDim Master List**. The higher **VarDim Type** is set as the **Overall** VarDim Type, while the VarDim Type lower in the VarDim Master List is considered to be the **Subordinate** VarDim Type.

You cannot set combinations where a VarDim Type on a lower level dictates the options from a VarDim Type on a higher level in the VarDim Order and VarDim Item.

The Overall/Subordinate feature can also be setup specifically per **Country/Region** or **Customer**. This is arranged in the column **Relation 2**, where in the column **Relation 2 No.** the appropriate Country/Region or Customer can be entered. In case **Relation 2** is set to *None*, there is nothing to enter in column **Relation 2 No.**

MAX./MIN. DIMENSIONS

Not only **VarDim Types** of **Type Variant** have controlling functions but is also the case for **VarDim Types** of **Type Dimension**. You want to limit the Values that can be entered during the configuration. Therefore, you have to determine the range of possibilities by setting a Minimum and/or Maximum Value. This can be done in the **Max./Min. Dimensions** table.

The **Max./Min. Dimensions** table can be reached on the Master Card by following the path: **Actions, Variant & Dimensions, Dimension Values, Max./Min. Dimensions**.

Master Card | Work Date: 9/6/2020

5110 · Conference Table Calypso

New Process Reports **Actions** Related Reports Fewer options

General

No.

No. System

Description

Base Unit of Measure

Status Code

Collection No.

Collection Relation No

Private Label ☐

Exclude from Collection Check ☐

User Defined

Variant & Dimensions

PDM

Collections

Shipment Groups

Matrix

Overall/Subordinate

Positive List

Negative List

Formula Processing

Dimension Values

Other

Inventory

Finished Goods

Dimension Table

Max./Min. Dimensions

Gender

Item Statistics Group 4

Item Statistics Group 5

In this table you can setup for every **VarDim Type** of **Type Dimension** the **Minimum** and the **Maximum** Values of the range from which you can enter a Value. If a Value is chosen outside of the Range an Error message will be the result.

Edit - Max./min.Table 5110

Search + New Edit List Delete

VarDim Type ↑	VarDim Type Name	Minimum	Maximum
LENGTH	Length (mm)	750.0	4,000.0
WIDTH	Width (mm)	750.0	2,000.0

DIMENSION TABLE

For **VarDim Types** of **Type Dimension** it is also possible to define discrete Values. These Values are specific for all Items attached to the Master. However, you cannot enter any other Value within the Range than the ones given as Options. If you want this, you can setup a **Dimension Table**.

The Dimension Table can be reached on the Master Card by following the path:

Actions, Variant & Dimensions, Dimension Values, Dimension Table.

In the **Dimension Table** you can setup for every specific VarDim Type of **Type Dimension** the allowed Values. If another Value than the allowed Value is validated in the VarDim Type an Error is executed on the VarDim Order and VarDim Item.

The Dimension Table has become more legacy functionality, since you can do this also by setting up VarDim Types of **Type Variant** in which you can have numerical Values in the code, which can be used in calculations as well.

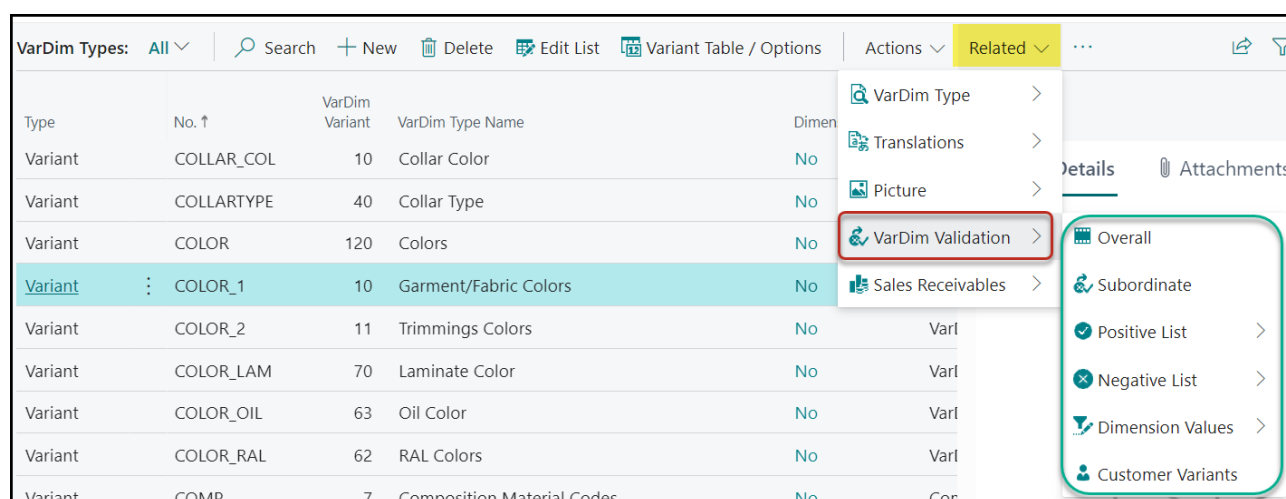
CONTROLLING OPTIONS ON HIGHER LEVEL

In the previous paragraphs we have discussed controlling options on **Master** level. However, many times the limitation of configuration is not determined by the Master, but by one of its Components.

Example 1: Tabletops, Shelves, Cabinet Components, etc. are sawed from a Wooden panel. The maximum measurements of these Components are therefore limited by the Wooden panel. So, it might be the case that the Maximum Value of the measurements is the same for all Masters that contain Components made out of this Wooden panel.

Example 2: Chairs, Sofas, Couches, etc. could be upholstered by Fabric or by Leather. The color of the upholstery is often determined by the Material used: Leather comes in different colors than Fabric. This implies that the Overall/Subordinate table is identical for all Masters that contain Leather or Fabric.

Instead of setting up the same controlling options for every Master, it is possible to have the limitations established on **VarDim Level**. You can find this via **Related, VarDim Validation** in the VarDim Type List and Card.



Type	No. ↑	VarDim Variant	VarDim Type Name	Dimen
Variant	COLLAR_COL	10	Collar Color	No
Variant	COLLARTYPE	40	Collar Type	No
Variant	COLOR	120	Colors	No
Variant	COLOR_1	10	Garment/Fabric Colors	No
Variant	COLOR_2	11	Trimmings Colors	No
Variant	COLOR_LAM	70	Laminate Color	No
Variant	COLOR_OIL	63	Oil Color	No
Variant	COLOR_RAL	62	RAL Colors	No
Variant	COMP	7	Composition Material Codes	No

Related dropdown menu options:

- VarDim Type
- Translations
- Picture
- VarDim Validation**
- Sales Receivables

Details dropdown menu options:

- Overall
- Subordinate
- Positive List
- Negative List
- Dimension Values
- Customer Variants

In the **Positive List** you can enter the **Variant Options** that are Valid for all Masters that have this **VarDim Type** in the **VarDim Master**. The VarDim Type should be of **Type Variant**.

In the **Negative List** you can exclude the Variant Options for all Masters that have this VarDim Type in the VarDim Master List. The VarDim Type should be of **Type Variant**.

In the **Dimension Values** you have the possibilities to set up the **Max./Min. Values** or a **Dimension Table**. In this case the VarDim Type must be of **Type Dimension**.

In the **Customer Variants** Table, it is possible to setup Variant Options for a specific VarDim Type that are specific for customers. For instance, a certain customer only wants to configure furniture made of *Oak*.

On the Master you have the **Overall/Subordinate** Table. In the paragraph above we mentioned that the first Variant to enter is the **Overall** Value. The Variant that is depending on it is the **Subordinate** Value.

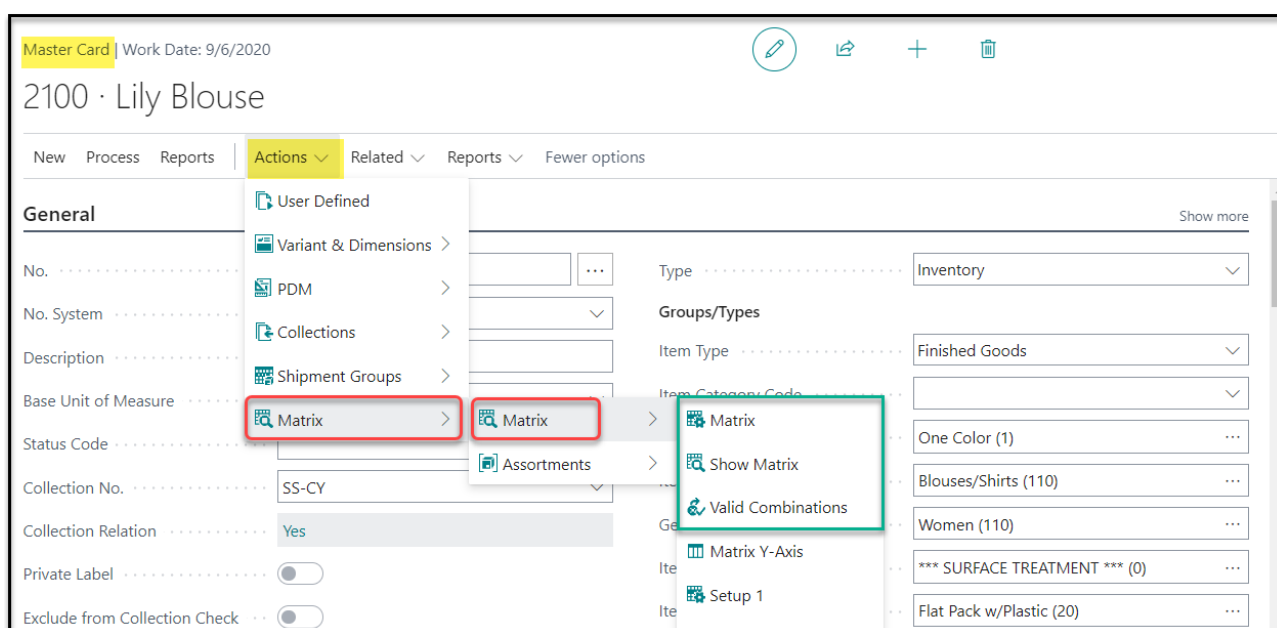
So, a VarDim Type can be both responsible for the **Overall** Values as for the **Subordinate** Values.

In case a VarDim Type should have generic **Overall** Values, you can setup the **Subordinate** VarDim Type Variants in the **Subordinate** Table.

In case the VarDim Type has generic **Subordinate** Values, you can setup the **Overall** VarDim Type Variants in the **Overall** Table.

MATRIX SETUP

The **Matrix Setup** is also a form of controlling the Options. In the **Matrix setup** you can define which Variant Options are valid for a particular Product.



On a Master Card you can find the Matrix Setup by following **Actions, Matrix, Matrix, Matrix** or by using the fast key combination **Shift+Ctrl+M**.

NOTE

A good mnemonic: the **M** stands for **Matrix**.

Ctrl+M is for showing the Matrix.

Shift+Ctrl+M is for setting up the Matrix.

In the Matrix Setup page, you need to press **Enter** so the fields **Relation 2 Name, Name, VarDim Type Variant 1** **Variant 1-9** will be filled automatically based on the **VarDim Types** of **Type Variant** that have been setup in the **VarDim Master**. Only those VarDim Types are shown that have a **VarDim Type Placement in Item No.** filled. That can go up till 9 VarDim Types of which **Variant 4 – Variant 9** can be made visible via **Personalization**.

Edit - - Matrix - Relation 1 NO. 2100 - Lily Blouse						
Search + New Edit List Delete Related Fewer options						
Relation 2 Name ↑	Name	VarDim Type Variant 1	Options Var 1	VarDim Type Variant 2	Options Var 2	VarDim Type Variant 3
→ 2100	Lily Blouse	COLOR1	SIZE_C	7		

If you click on the **AssistEdit** button, you can go to the **Variant** table in which you can select the required Options for the particular VarDim Type by setting checkmarks in the column **Mark**. After doing so, you can see in the fields **Options Var 1-9** the number of selected Variants.

Edit - Temporary VarDim Variants					Master 2100 Positive Work Date: 9/6/2020				
Mark	Value ↑	Assortment	Blocked	Name	VarDim Type ↑	Value ↑	Description	Alternative Description	Alternative Short Description
☐	03	☐	☐	Light Blue	COLOR_1	20	Royal Blue		Blue
☐	04	☐	☐	No Pocket	COLOR_1	21	Light Blue		Lt Blue
☒	20	☐	☐	Royal Blue	COLOR_1	30	Yellow		Yellow
☒	21	☐	☐	Light Blue	COLOR_1	35	Orange		Orange
☐	23	☐	☐	Ocean Blue	COLOR_1	37	Dark Orange		Dk Orange
☐	25	☐	☐	Navy	COLOR_1	60	Forest Green		Forest
☐	27	☐	☐	Steelblue	COLOR_1	65	Lawn Green	Dark Green	Dk Green
☒	30	☐	☐	Yellow	COLOR_1	70	Red		Red
☒	35	☐	☐	Orange	COLOR_1	73	Pink		Pink
☒	37	☐	☐	Dark Orange	COLOR_1	75	Magenta		Magenta
☐	40	☐	☐	Brown	COLOR_1	80	Purple		Purple
☐	50	☐	☐	Sand	COLOR_1	99	Black		Black
☒	60	☐	☐	Forest Green	SIZE_C	01	XS		XS
☒	65	☐	☐	Dark Green	SIZE_C	02	S		S
☒	70	☐	☐	Red	SIZE_C	03	M		M
☐	72	☐	☐	Fire Red	SIZE_C	04	L		L
					SIZE_C	05	XL		XL
					SIZE_C	06	XXL		XXL
					SIZE_C	07	3XL		3XL

You can also use the **Actions** to select i.e., all Variants at once by clicking **Actions, Mark All**.

Edit - Temporary VarDim Variants				
Mark	Value ↑	Assortment	Blocked	Name
→	00			
☐	01			
☐	02			
☐	03			
☐	04			

The selection of the appropriate Variants in the Matrix Setup will automatically result in a **Positive List** on the Master (of **Type None**).

Closing the Matrix Setup will also result in the creation of all Item combinations according to the marked Variants. This is only the case, if the parameter **Create All Matrix Related Items** in the Inventory Setup is set to Yes (default). This setting will be discussed in the next paragraph.

VARDIM SETUP

INTRODUCTION

In the previous chapters we have discussed in detail the setup of a **Master** and its **Variants**. However, there is also some General Setup. This is discussed in this chapter. These Setups can be found in the **Inventory Setup**, the **Sales & Receivables Setup**, and the **Purchase & Payables Setup** of the System in the FastTab **VarDim**.

Inventory Setup

General Posting Journal Templates

VarDim

Use Master ☒
Use Existing Matrix ☐
Default Collapse Matrix ☐

VarDim Value
Number of Decimals VarDim Value
Field Width VarDim Value
Interrupt Formula Calculation

PDM
Default MasterWizard Setup
Create All Matrix Related Items ☒
Create Collection Relation Automatically ☒
Collection Variant Options based on

Description of Variant Item
Variant Description as Item Description 2 ☒
Variant Description Separator

VarDim Call
VarDim Master/Item Call

Purchases & Payables Setup

Vendor Posting Groups Incoming Documents Setup

Unit Cost Check

VarDim

Variant Management
Order Variant Description

Matrix/Assortment List
Default Collapse Matrix ☒
Use Existing Matrix ☐
Show Matrix only on Demand ☐
Default Matrix Distribution Method

Delivery Period Handling
Skip Transfer of Collection and Period Code... ☒

Sales & Receivables Setup

Customer Groups Payments More options

VarDim

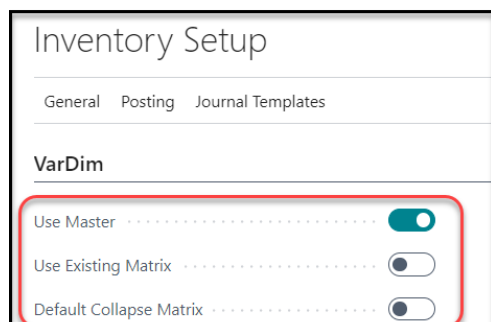
Skip Creation of VarDim Order
VarDim Search String Separator
Fixed Format Master Search String
Order Variant Description
Sales Line Description 2 Separator

Matrix/Assortment List
Default Collapse Matrix ☒
Use Existing Matrix ☐
Show Matrix only on Demand ☐
Info on Matrix X-Axis
Min. Cells Check On Demand
Default Matrix Distribution Method
Delivery Period Handling
Skip Transfer of Collection and Period Code... ☒

NOTE

We would recommend working with the identical settings as in the Demo Company. You can change the parameters discussed in the paragraphs below always later if required.

USE MASTER, USE EXISTING MATRIX AND DEFAULT COLLAPSE MATRIX



The first Setup we discuss, is the Boolean **Use Master**. If this parameter is set to **Yes**, you can create an **Item** from the Master Card, by entering the **Master No.** in the **Item No.** Then the configuration of a new Item starts.

NOTE

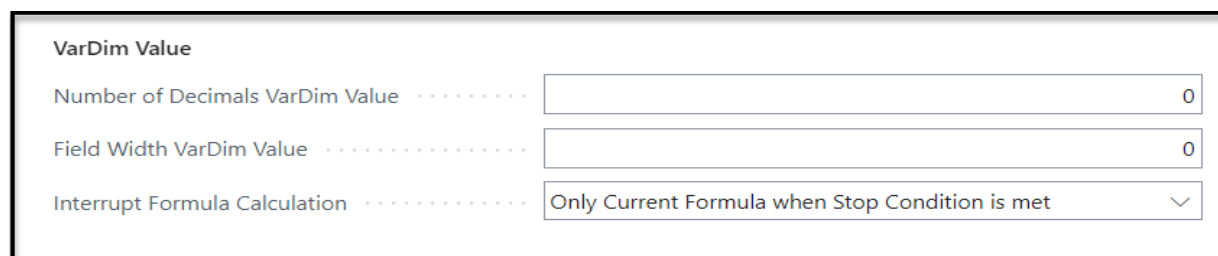
A reason not to set this Parameter to **Yes** would be when you only use flat Items and no Masters of TRIMIT.

The field **Use Existing Matrix** could be set on **Yes**, if you want to prohibit that in the same Document the same Master is used twice. After you enter a Master for the second time, the first Matrix will be opened. Examples of these Documents are **Transfer Orders**, **Item Journal** or **Production Collecting Order**. For Sales Documents you can arrange this in the **Sales & Receivables Setup**. On the **Purchase & Payables Setup** this setting arranges this for the Purchase Documents.

With the Boolean **Default Collapse Matrix**, you determine whether you want to see all the Item Lines below a Matrix Line (=exploded) or not (=collapsed). That could be the Matrix for an **Item Journal**, **BOM Journal Line**, **Production Collecting Order Line** or **BOM Component Line**. On the Sales Documents and the Purchase Documents the same setting is available on the **Sales & Receivables Setup** and **Purchase & Payables Setup** respectively.

VARDIM VALUE PARAMETERS

In this paragraph several parameters are discussed that have to do with VarDim Value fields.



The Value of **VarDim Order**, the Value of **VarDim Item** and the Value of **VarDim Production** or **Purchase Line** contain text strings. If you want Decimal Figures to be shown with a fixed number of Decimals, you can enter the number in the field **Number of Decimals VarDim Value**. You can choose between 1, 2 or 3 decimals.

The Value of VarDim Order, the Value of VarDim Item, and the Value of VarDim Production- or Purchase Line have a length of 20 characters each. Because the fields contain Text strings, all Values will be aligned to the left. If you want **VarDim Types** with **Type Dimension** or **Decimal** to be aligned to the right, you can use the Parameter **Field Width VarDim Value** to determine the visual length of the field.

You can choose an integer between 1 and 20.

When using Formulas, you can also setup a **Stop Condition**. The Parameter **Interrupt Formula Calculation** determines what must happen when the **Stop Condition** is met.

You can choose between the following two options:

Option	Description
<i>Only Current Formula when Stop Condition is met</i>	When more Lines are entered in a Formula, only the Formula Line in which the Stop Condition is met will be interrupted, and the system will continue with other Formula Lines.
<i>Current Formula and all following Formulas when Stop Condition is met</i>	When more Lines are entered in a Formula not only the Formula Line in which the Stop Condition is met will be interrupted, but also all the following Formula Lines.

The first option is the default value.

PDM PARAMETERS

In this paragraph, the PDM parameters are discussed.

PDM

Default MasterWizard Setup

Create All Matrix Related Items

Create Collection Relation Automatically

Collection Variant Options based on

In the Parameter **Default MasterWizard Setup** you can enter the default for the **MasterWizard Setup** that can be used when copying a Master via the Wizard. If this Parameter is filled, the field **Copy Setup** in the Master Wizard will be filled with the content of this Parameter.

If you have filled the **Default MasterWizard Setup** in the **User Setup**, this setting will then overwrite the Parameter in the Inventory Setup.

If you set the Parameter **Create All Matrix Related Items** to Yes and an (Assortment) Matrix is related to a Master, the system will automatically create all Items based on the possible combinations of the Matrix. In case of an Assortment Matrix, it will also create underlying Item BOMs.

Otherwise, the Items (and the Item BOM) will be created the moment there is a need for it in the system. For instance, by entering quantities in the Matrix on a Sales Order.

With the Parameter **Create Collection Relation Automatically**, you can establish how the system responds with regards to the Collection when a Master is created. There are many scenarios that describe the Collection Management in TRIMIT and is far beyond the scope of this White Paper. Therefore, we like to refer to the White Paper **TRIMIT Setups** and the White Paper **TRIMIT Collection Management**.

The Parameter **Collections Variant Options Based On** determines which colors/sizes/etc. you can select if you create the **Collection Master Relations**.

Also, for this Parameter, we would like to refer to the White Papers **TRIMIT Setups** and **TRIMIT Collection Management**.

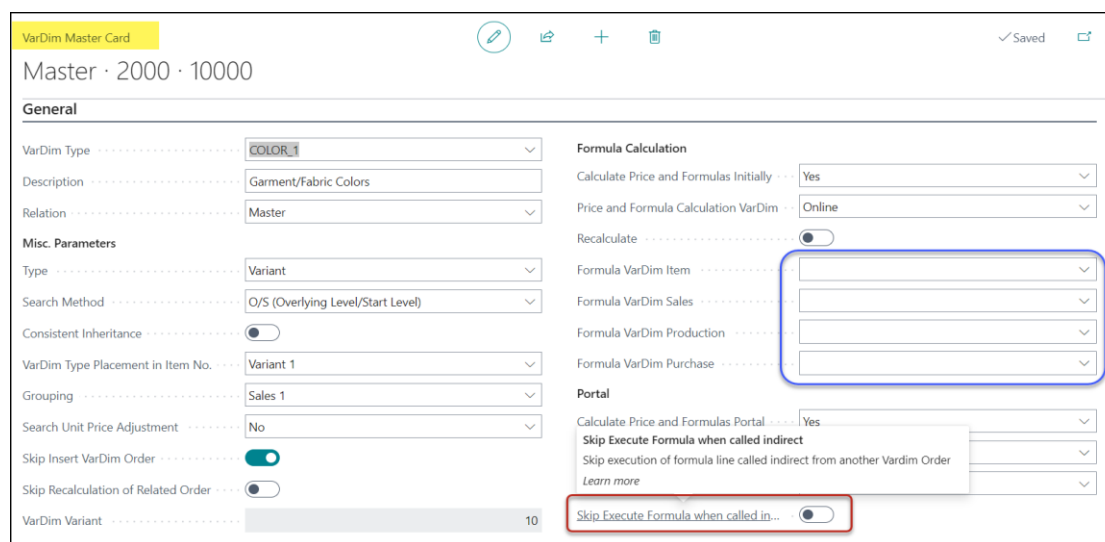
LEGACY EXECUTION OF FORMULA IN VARDIM ORDER

The parameter **Legacy Execution of Formula in VarDim Order** is not in the Inventory Setup page by default; you need to add it via **Personalize**.

In normal circumstances when you execute a Formula during configuration, which enters a Value in another VarDim Type, eventual Formulas on that other Line will not be executed. (See also description of fields on the VarDim Master **Recalculate** and **To Be Recalculated**). This prohibits getting into a loop. For legacy purposes TRIMIT has introduced this parameter with default Yes.

In rare cases you want to take the risk to execute every Formula even if they relate to each other and a loop can lead to an error within the VarDim Order, you need to set this to **No**.

In the **VarDim Master Card** you can overwrite the Parameter for specific VarDim Master Lines , but this field is also not visible by default and need to be added it via **Personalize**.



NOTE

This Legacy Parameter is best to set to **No**, in case you want to execute Formulas that influences the VarDim Prices. In case the execution of Formulas needs to cascade down to other execution of Formulas it is recommended to work with **Recalculate** and **To Be Recalculated**. However, this is not a strict condition. In both situations you need to be very careful not to get involved into loops.

PARAMETERS FOR DESCRIPTION OF VARIANT ITEMS

When an Item with Variants is created and the Parameter **Variant Description as Item Description 2** is Yes, **Description 2** of the Item is filled in with a Text string containing all the Variant Names. This is the default setting.

With the Parameter **Variant Description Separator**, you can determine how the Variants are separated in the Text string. You can choose between the following six options:

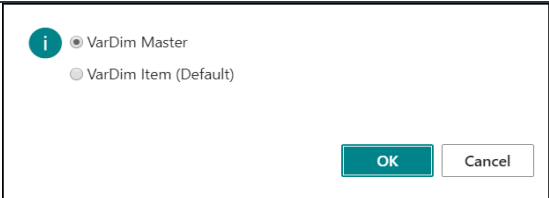
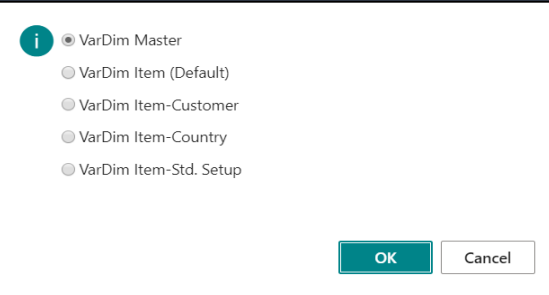
Option	Description
<i>None</i>	There will be no characters separating the variant names.
<i>Space</i>	A Space will be separating the variant names.
<i>Comma</i>	A “,” will separate the variant names.
<i>Hyphen</i>	A “-” will separate the variant names.
<i>Slash</i>	A “/” will separate the variant names.
<i>Plus</i>	A “+” will separate the variant names.

The default value is *Comma*.

VARDIM CALL

The Parameter **VarDim Master/Item Call** determines which options you can choose from if you go to **VarDim Master** from the Master Card. *Basic* will be enough for basic Wholesale/Production without Private Label or Configuration. With the *Extended* version it is possible to setup specific default Values during configuration based on *Customer* or *Country*.

You can choose between the following two options:

Option	Screenshot
<i>Basic</i>	Basic will only show: 
<i>Extended</i>	Extended will show: 

REMAINING PURCHASES & PAYABLE SETUP

In this paragraph the Parameters are described from the **Purchase & Payable Setup** for which the settings have not been discussed so far in the previous paragraph.

Let's start with the Parameter **Order Variant Description**. When a **Purchase** Document Line of the **Type Item** is created and an **Item No.** is entered that contain Variants, **Description 2** can be filled in with a Text String containing all the Variant names included. This is depending on the Parameter in the Inventory Setup **Variant Description as Item Description 2**.

This Parameter on the **Purchase & Payable Setup** has the following additional options only when configuring on a Purchase Order.

There is also an identical Parameter on the **Sales & Receivable Setup** that achieves the same, but then on the Sales Documents.

Option	Explanation
<i>No</i>	Description 2 will not be filled
<i>Add Always</i>	Description 2 will be a combination of all Variant names, even though the Variant names are blank.
<i>Replace Always</i>	Description 2 will be a combination of only the Variant names different from blank.

NOTE

This Parameter will only be used for the **Translation Texts**.

With the Parameter **Show Matrix Only on Demand** you can decide whether an eventual **Matrix** page opens after entering the **Master No.** on the **Purchase** Document Line. Automatic opening of the Matrix page is not always desirable when you like to enter other fields on the Purchase Line first. If you want to prohibit automatic opening, you should set this parameter on Yes.

The Matrix will only be created and shown when you ask for it (via **VarDim, Matrix Quantity** in the Purchase Line). You can also use the short key combination **Ctrl+M**.

There is an identical Parameter on the **Sales & Receivables Setup** that does the same, but then for **Sales** Documents.

With the Parameter **Default Matrix Distribution Method**, you can set the default for the Matrix Distribution Method, which will be shown as a default in the Matrix of Purchase Documents. You can choose between the following four options:

Multiple, Total, Multiple All and Total All.

See for more details the White Paper **TRIMIT Matrix Distribution**.

There is an identical Parameter on the **Sales & Receivables Setup** that does the same, but then for **Sales** Documents.

For the parameter **Delivery Handling Period** we would like to refer to the White Papers **TRIMIT Setups** and **TRIMIT Collection Management**. Note that this is also the case for the identical Parameter on the **Sales & Receivables Setup**.

Also, for the Parameter **Skip Transfer Collection and Period Code form Master** we would like to refer to the White Papers **TRIMIT Setups** and **TRIMIT Collection Management**. Note that this is also the case for the identical Parameter on the **Sales & Receivables Setup**.

REMAINING SALES & RECEIVABLES SETUP

In this paragraph the Parameters are described from the **Sales & Receivable Setup** for which the settings have not been discussed so far in the previous two paragraphs.

With the Parameter **Skip Creation of VarDim Order**, you can determine if the system should skip the creation of the VarDim Order when entering a Sales-/Purchase Line.

You can choose between the following four options:

Option	Explanation
<i>No</i>	A VarDim Order will always be created unless quantities will be entered via a Matrix.
<i>Configurable Items</i>	Only for Configurable Items, the creation of VarDim Orders will be skipped.
<i>Master Items</i>	Only for Master Items, the creation of VarDim Orders will be skipped.
<i>All</i>	The creation of VarDim Orders will always be skipped.

NOTE

You could consider choosing *All* if you only enter quantities in Sales-/Purchase Lines via a Matrix.

You can enter the separator for the **VarDim Search String** that can be used in the Sales Lines (not visible by default in the page of the Sales Lines!) in the **VarDim Search String Separator** Parameter. It enables the user to find the Items of a Master based on this Search String. It is the separator that you enter in the string to identify the different Variants of the Master.

You can choose between the following five options:

Option	Explanation
<i>None</i>	There will be no characters separating the variant names.
<i>Fixed Format</i>	The Fixed Format Master Search String will give the length of the Master No. if you enter a VarDim Search String in a Sales Line.
<i>Hyphen</i>	A "-" will separate the variant names.
<i>Comma</i>	A "," will separate the variant names.
<i>Plus</i>	A "+" will separate the variant names.

The Parameter **Fixed Format Master Search String** needs to be filled in, if the **VarDim Search String Separator** is set to *Fixed Format*. It determines the length of the **Master No.**

This also means, that you need to have all your Masters of the same length if you want to use the **VarDim Search String** functionality in combination with the *Fixed Format*.

INFO ON MATRIX X-AXIS

With the Parameter **Info on Matrix X-Axis** you can determine, what a user will see in the column caption of the Matrix with regards to the Unit Prices.

If you choose option *None*, then you will only see the Value of the VarDim Option as determined by the **VarDim Type Card** field **Used in Matrix X-Axis Description**.

If you choose option *Price*, then the **Unit Price** will be shown above the columns of a Matrix for the Line

(Color) you are standing on. This feature makes a lot of sense, if the Unit Price is varying with the Horizontal **VarDim Type** (Size).

Edit - - Sales Order SW009 - No. 2200 - Grace Bomber -										
Search Edit List Matrix Inventory Profile Actions Related Fewer options										
Variant 1	Variant Description	Line Quantity	4 (35.99)	6 (35.99)	8 (35.99)	10 (35.99)	12 (35.99)	14 (35.99)	16 (35.99)	
→ 01	White	115	10	15	20	25	20	15	10	
30	Yellow	115	10	15	20	25	20	15	10	

NOTE

Getting the Unit Price shown makes the opening of the Matrix page slower. For performance reasons the default value of this setting is *None*. It has to be a balanced choice between performance and information requirement.

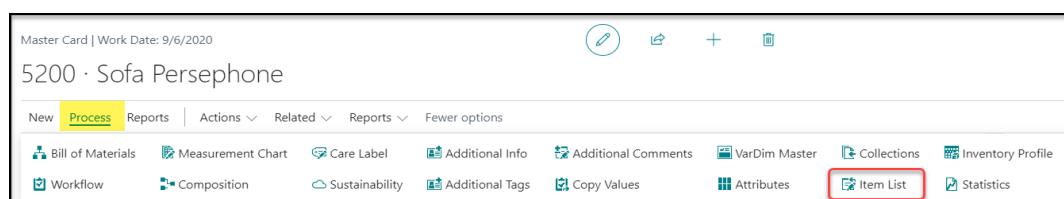
When entering a Matrix, it can take some time before you can see the availability – especially if the Matrix is large. With the Parameter **Min. Cells Check on Demand** you can determine the minimum number of Cells in a Matrix before you need to ask for the availability manually; it will then not be automatically calculated and shown the moment you open the Matrix.

CREATING AND MAINTAINING ITEMS

INTRODUCTION

As mentioned, several times in the previous chapters, the Master is a level above the standard BC Item level and acts as an Item Template from which Items can be created. Furthermore, the Master is used for maintaining the underlying Items.

The Items that belong to a specific Master can be found via **Process (or Home), Item List**.



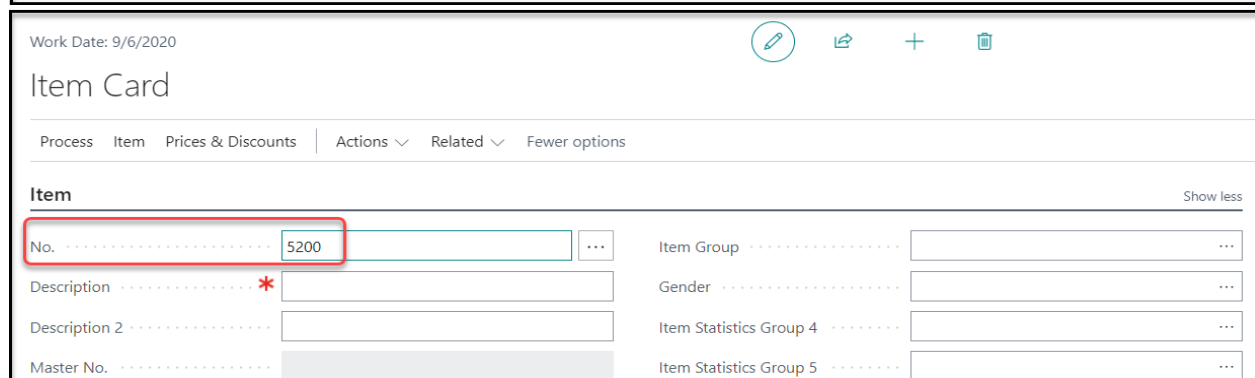
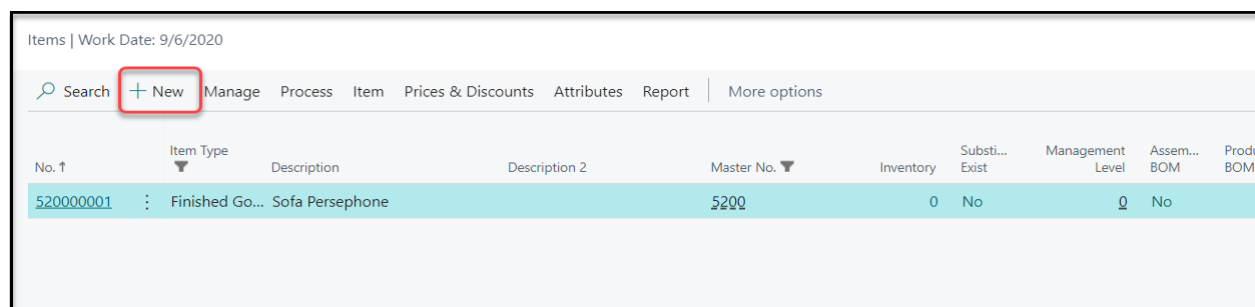
In this chapter both the creation and the maintenance of the Items are discussed.

CREATING ITEMS FROM THE MASTER

You can only create Items from a Master, if a unique number is created for the Item. That means an *intelligent* number or a *sequential* number. If you create a new Item – that is completely blank – you can enter the **Master No.** into the **Item No.** to start the configuration.

Master 5200 is a Master with a sequential number.

In the example below we create from the **Item List** of **Master 5200** (Sofa Persephone) a new Item. In the field **No.** we enter the **Master No. 5200**, which will start the configuration.



Edit - VarDim Items - Item Creation						
Manage Copy Values Actions Related Fewer options						
Permanent or Optional	Type	VarDim Type	Description	Value	Name	
W (Optional with Defa...	Variant	SOFA_FRAME	Sofa Frame Parts			
W (Optional with Defa...	Variant	SOFA_MAT	Sofa Box Exterior Material			
W (Optional with Defa...	Variant	SOFA_COL	Sofa Box Exterior Color			
W (Optional with Defa...	Variant	SOFA_PAT	Sofa Fabric Pattern			
W (Optional with Defa...	Variant	SOFA_CUSH	Sofa Cushion Color			
W (Optional with Defa...	Variant	S_PILLOW	Sofa Pillow Type			
→ W (Optional with Def...	Variant	S_COL_FEET	Sofa Feet Colors	99	Black, powdercoated	

After entering the Values in the configuration, the page can be closed. Now the new Item is created with a unique Item No., which is a sequential in this example. This new Item has now the so-called VarDim Item in which the answers of the configuration are saved.

Item Card | Work Date: 9/6/2020

520000002 · Sofa Persephone

Process
Item
Prices & Discounts
Actions
Related
Fewer options

Attachments
Statistics
User Defined

Variant & Dimensions
VarDim Items

Private Label
PDM
Functions
Requisition Worksheet
Item Journal
Item Reclassification Journal

Ledger Entries
Dimensions
Item

No.
Description
Description 2
Master No.
Blocked
Type
Base Unit of Measure

Edit - VarDim Items - 520000002 · Sofa Persephone						
Manage Copy Values Actions Related Fewer options						
Permanent or Optional	Type	VarDim Type	Description	Value	Name	
→ W (Optional with Def...	Variant	SOFA_FRAME	Sofa Frame Parts	52003	Persephone 3 Seater	
W (Optional with Defa...	Variant	SOFA_MAT	Sofa Box Exterior Material	88	Fabric	
W (Optional with Defa...	Variant	SOFA_COL	Sofa Box Exterior Color	60	Green	
W (Optional with Defa...	Variant	SOFA_PAT	Sofa Fabric Pattern	40	Checkered	
W (Optional with Defa...	Variant	SOFA_CUSH	Sofa Cushion Color	30	Yellow	
W (Optional with Defa...	Variant	S_PILLOW	Sofa Pillow Type	15	Medium	
W (Optional with Defa...	Variant	S_COL_FEET	Sofa Feet Colors	99	Black, powdercoated	

CREATE ITEMS AS A BATCH

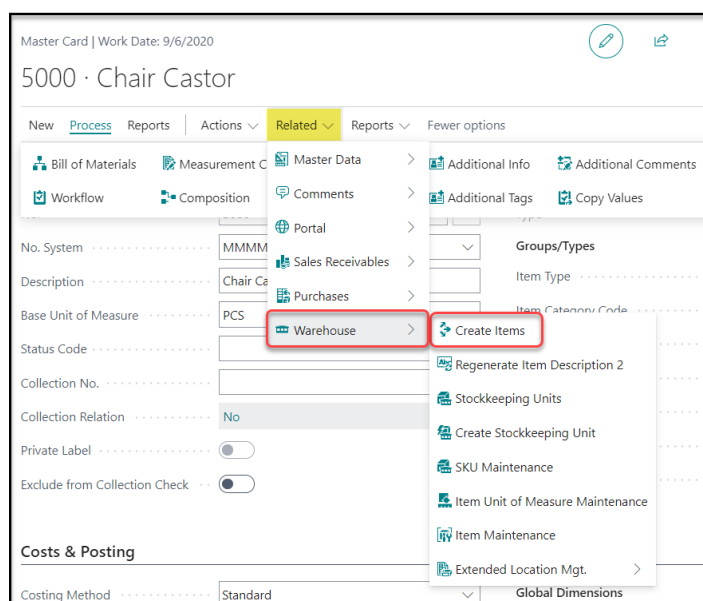
In the paragraph above is explained how you can create Items one by one. However, it could be useful to create Items for all Variant combinations in one batch. This can only be done for Masters that have a **No. System** that apart from the **Master No.** only represents **VarDim Options** of the **Type Variant**. So, this function is not working for generating Items with a Sequential number or with a Dimension Range.

Furthermore, it does not make sense to use this function on a Master with just a generic number, because there are no Variants to combine.

NOTE

The function **Create Items** also works for Masters for which the **No. System** represents a selection of the **VarDim Types** of **Type Variant**. Only those options are combined leaving the other VarDim Types empty in the **VarDim Item**.

You can find the function for creating all Items for each variant combination on the **Master Card** via:
Related, Warehouse, Create Items.



The Function **Create Items** takes into consideration the controlling options as **Positive/Negative List** and the **Overall/Subordinate** table. This way only Items are created with valid combinations of Variant options.

The **Positive List** is also populated via the **Matrix Setup** on a Master. An extra feature is that that the Items may be created automatically after the setting up of the Matrix has been finished. That is depending on the Parameter **Create All Matrix Related Items** in the **Inventory Setup**. This setting is described in the previous chapter.

CREATE ITEMS ON THE FLY

In standard BC the Item needs to be created first before you can use this Item anywhere else in the system. That is not the case in TRIMIT; there you can create Items on the fly. In order to do so, the configuration needs to be started. This is triggered by entering the **Master No.** in the Field reserved for the **Item No.**

In the example below, you will see the creation of the Item on the fly on a TRIMIT **Production Order**. After entering the **Master No.** in the **Item No.** field, the **VarDim Order** Page opens. In the VarDim Order the Values can be entered for the configuration of the Item. This feature also works on **Sales Line, Purchase Line, Production Collecting Order Line, and Item Journal**.

Production Order | Work Date: 9/6/2020

PI000001 · 5000 · Chair Castor

Finish Job Card... Release Prod. Order Archive Order Check Availability Update Unit Cost Item Tracking Lines Inventory Profile Actions Related Reports Fewer options

General Show more

No. PI000001 Status New

Document Type Suggestion

Item No. 5000

Item Description Chair Castor

Item Description 2 -

Schedule

Availability Date 8/31/2020

Start Week

Start Date 8/31/2020

End Date 8/31/2020

Edit - VarDim Orders

Description	Value	Name	Adjustment Amount Sales
Chair Type	*		0.00
Wood Type	*		0.00
Surface Treatment	*		0.00

NOTE

The only Document Type from which you cannot create an Item on the fly via starting up the configuration is a **Transfer Order**. In order to put an Item on a Transfer Order Line, the Item needs to be created first.

After entering the configuration answers, an Item will be created, if it does not exist yet. So, this Item can be found in the Item List related to **Master 5000**. Apart from having a unique **Item No.** is also has a **VarDim Item**.

Production Order | Work Date: 9/6/2020

PI000001 · 5000034020 · Chair Castor

Finish Job Card... Release Prod. Order Archive Order Check Availability Update Unit Cost Item Tracking Lines Inventory Profile Actions Related Reports Fewer options

General Show more

No. PI000001 Status New

Document Type Suggestion

Item No. 5000034020

Item Description Chair Castor

Item Description 2 Retro,Beech,Oil

Schedule

Availability Date 8/31/2020

Start Week

Start Date 8/31/2020

End Date 8/31/2020

Edit - VarDim Orders

Description	Value	Name
Chair Type	03	Retro
Wood Type	40	Beech
Surface Treatment	2d	Oil

If a Master has a **No. System** from which an Item No. with a sequential number is generated, then a newly created Item is by definition a new Item.

However, on the **Master Card** you can find on FastTab **VarDim** the setting **Match Search**.

5200 · Sofa Persephone

New Process Reports Actions Related Reports Fewer options

VarDim Show less

VarDim Relation Master

VarDim Relation No.

Sequence No. Counter 00002

Match Search Yes

Visual Configuration Code

Matrix/Assortment List

Matrix Relation No

Assortment Matrix Relation No

Formula Processing

Formula by Item Creation

Formula Sales Line

Formula Production Header

Formula Purchase Line

Iteration by Formula Calculati... 1

If this field has Value Yes, then the system will first check whether there is an **Item No.** with an identical VarDim Item as the newly configured one. If that is the case, then the original **Item No.** is used.

If in this case no match is found, a new **Item No.** will be created.

If the field **Match Search** is set on No, then no comparison will take place and there will always be an Item created with a new Sequential number.

If the field **Match Search** is set to *Select Lines (VarDim Item)* it will look in the **VarDim Item (Default)** of the Master via **Process (or Home), VarDim Master** and select **VarDim Item (Default)**.

Master Card

5200 · Sofa Persephone

New Home Reports Actions Related Reports Automate Fewer options

Bill of Materials Composition Additional Info Copy Values Collections Status

Workflow Care Label Additional Tags VarDim Master Item List Process

Measurement Chart Sustainability Additional Comments Attributes Inventory Profile Images

General

No. 5200

No. System MMMMLLLLL

Description Sofa Persephone

VarDim Master

VarDim Item (Default)

OK Cancel

- In the **VarDim Item**, you need to determine which VarDim Types should Match in case the **Match Search** in the Master is set to *Select Lines (VarDim Item)*.

You do not have to fill the **Match Search** in the VarDim Items if the **Match Search** in the Master has been set to Yes.

Edit - VarDim Items - 5200 · Sofa Persephone

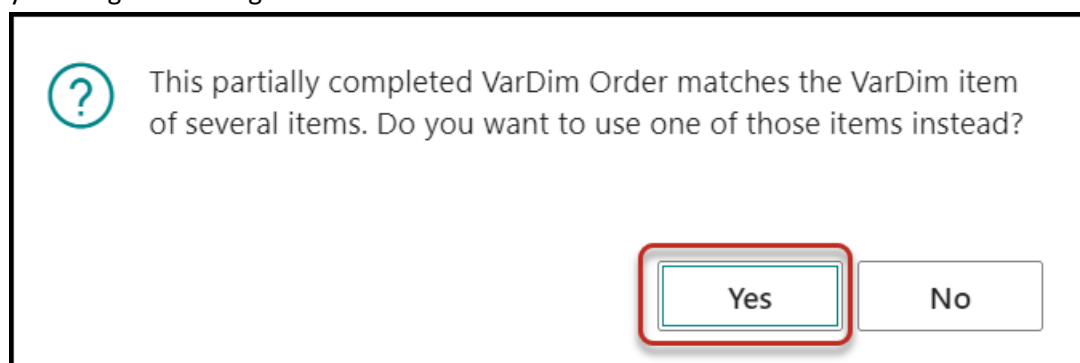
Manage Copy Values More options

Permanent or Optional	Type	VarDim Type	Match Search	Description	Value	Name	Dimensi...
→ W (Optional with Default)	Variant	SOFA_FRAME		Sofa Frame Parts			No
W (Optional with Default)	Variant	SOFA_MAT		Box Exterior Material			No
W (Optional with Default)	Variant	SOFA_COL		Outer Frame Color			No
W (Optional with Default)	Variant	SOFA_PAT		Fabric Pattern			No
W (Optional with Default)	Variant	SOFA_CUSH		Sofa Cushion Color			No
W (Optional with Default)	Variant	S_PILLOW		Seat Pillow Type			No
W (Optional with Default)	Variant	S_COL_FEET		Sofa Feet Colors			No

You can choose between the following four options:

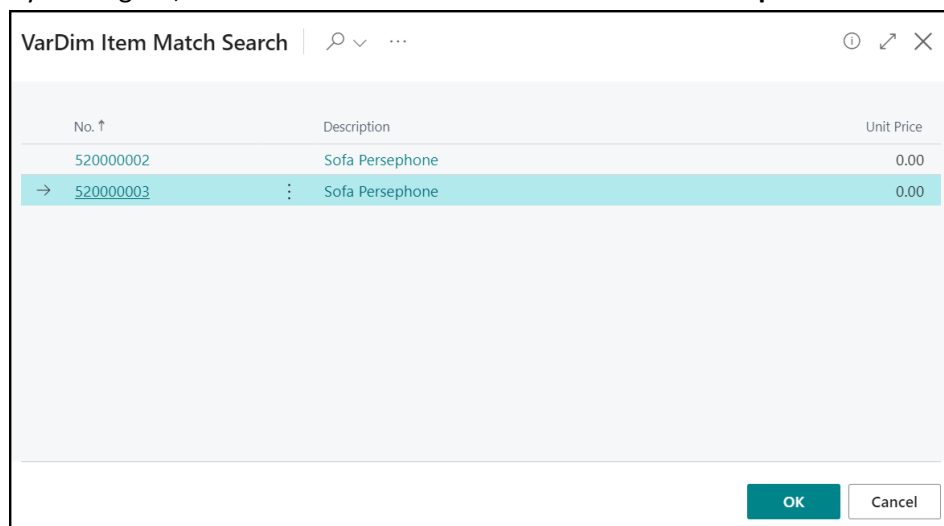
“Blank”	The VarDim Type is not included in the Search. This is the default value.
Equal to or Smaller than	Used for VarDim Types of Type <i>Dimension</i> or <i>Decimals</i> . Match Search will include all Item Nos. with a Value Equal to or Smaller than the Origin.
Equal to or Larger than	Used for VarDim Types of Type <i>Dimension</i> or <i>Decimals</i> . Match Search will include all Item Nos. with a Value Equal to or Larger than the Origin.
Equal to	Used for VarDim Types of Type <i>Variant</i> , <i>Dimension</i> or <i>Decimals</i> . Match Search will include all Item Nos. with a Value equal to the Origin.

In case the system finds one or more existing Item Nos. that match the **Match Search** of the VarDim Items, you will get a message:



By clicking **Yes**, a page will open to show the existing Item Nos. that Match the settings, and you can choose the appropriate **No**.

By clicking **No**, a new Item No. will be created based on the **Sequence Counter No.** in the Master Card.



In case of using a Master with a sequential number as described above in the TRIMIT Portals:

1. If **Match Search** in the Master is Yes, the Item will be determined when creating the Sales Quote/Sales Order in the ERP – that could be an existing Item No. with the same configuration, or it could be a new Item No. if there is no complete Match.
2. If **Match Search** in the Master is set to *Select Lines (VarDim Item)* and there might be several matching Item Nos. based on the settings in the VarDim Item, it will take the first Item No. that Matches, or it will create a new Item No. when creating the Sales Quote/Order in the ERP.

In all these cases: make sure that the field **Create Related Order Instantly** in the Master is set to **No!!**

In case **Instant ASI Posting** in the Portal Profile is set to *No*, and **Portal Sales Documents** are created in the ERP, the Item in the Portal Sales Document Line will still be the Master Item No.

When Posting the **Portal Sales Document**, the actual Item No. will be determined for the Sales Quote/Order based on the above two methods.

Especially when using **Match Search**, it is important to set the field **Skip Insert VarDim Order** in the VarDim Master Card of the VarDim Types that needs to match to *No*.

Otherwise, the VarDim Order of a new Sales Line where an existing Item No. is taken, will not be filled.

The functionality of **Match Search** will only be applicable for Sales Lines; not for Purchase Lines or Production Orders!!

MASTER ITEM

In this document the **Master** is described as an entity above the Item level that operates as a sort of Item Template. If you want to start a **configuration** or open a **Matrix** page, you need to enter a **Master No.** in the **(Item) No.** field. This is only possible with a **Master Item**, which is an Item that is a copy from the Master. So, it is an Item for which the configuration answers have not been given yet. Therefore, its **VarDim Item** is empty. The **Master Items** are created automatically with the Master.

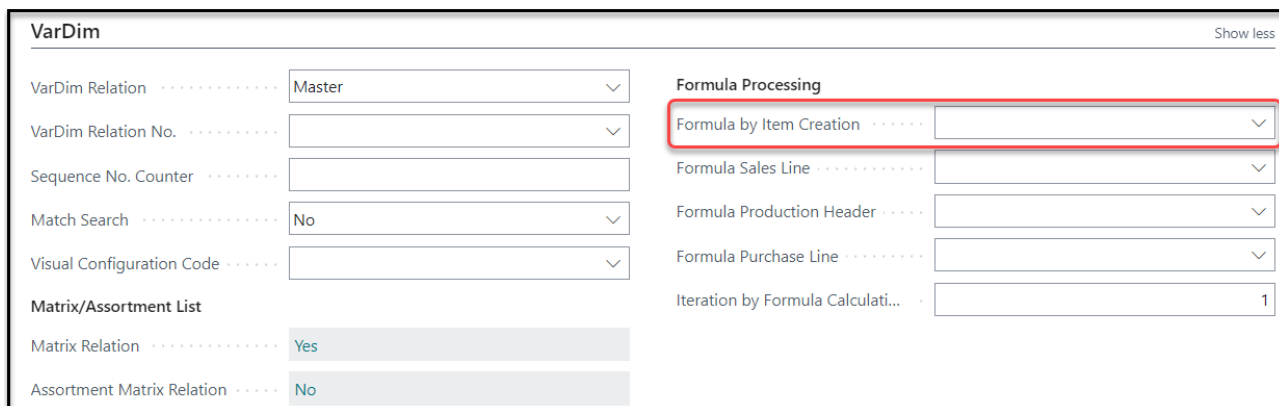
You can identify these Items by their **Item Type Master Item**. Note that these Items are only used for starting the configuration or opening a Matrix page. It is not an Item that can survive as an Item on Order Lines by itself.

No. ↑	Item Type ▼	Description	Description 2	Master No.
2600	Master Item	Helen Blouse		2600
2610	Master Item	Hope Shirt		2610
2620	Master Item	Hazel Shirt		2620
2630	Master Item	Hailey Shirt		2630
2640	Master Item	Heaven Shirt		2640
3000	Master Item	Chair Zeus		3000
3010	Master Item	Chair Hades		3010
3020	Master Item	Chair Poseidon		3020
3100	Master Item	Dining Table Artemis		3100
3110	Master Item	Side Table Hera		3110
3120	Master Item	Coffee Table Athena		3120
3300	Master Item	Storage Cabinet Nemesis		3300

This is of course different for Masters with **generic** Item numbering. In that case the Item does not get a unique Item. Its number is identical to the **Master No.** For these Masters a Master Item is generated as well but gets an **Item Type** that is identical to the **Item Type** on the Master (*Finished Goods, Semi-Finished Goods or Raw Materials*).

ITEM MAINTENANCE

When Items are created from the **Master**, most of the fields on the **Item Card** inherit the Values from the Master Card. Others are somehow calculated from rules setup on the Master Card for instance from the **Pricing Table** – discussed in the next chapter – or via the **Formula by Item Creation**.



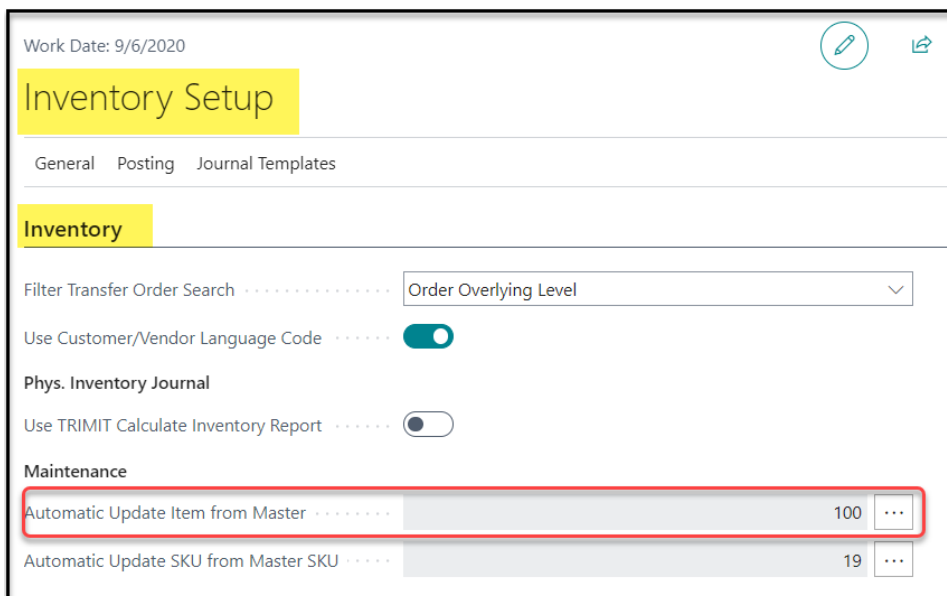
VarDim

Show less

VarDim Relation	Master	▼	Formula Processing	Formula by Item Creation	▼
VarDim Relation No.		▼	Formula Sales Line		▼
Sequence No. Counter			Formula Production Header		▼
Match Search	No	▼	Formula Purchase Line		▼
Visual Configuration Code		▼	Iteration by Formula Calculati...		1
Matrix/Assortment List					
Matrix Relation	Yes				
Assortment Matrix Relation	No				

After an Item is created, you may want to have it updated as soon as you change the value of a field on the Master Card. However, there could also be circumstances that you don't want that and that you only want to have the new value on newly created Items and not on the existing ones.

This can be setup per individual field. For can be set via the Parameter **Automatic Update Item from Master** in the Inventory Setup.



Work Date: 9/6/2020

Inventory Setup

General Posting Journal Templates

Inventory

Filter Transfer Order Search Order Overlying Level ▼

Use Customer/Vendor Language Code ☒

Phys. Inventory Journal

Use TRIMIT Calculate Inventory Report ☐

Maintenance

Automatic Update Item from Master	100	...
Automatic Update SKU from Master SKU	19	...

If you click on the **AssistEdit** button, you will get an overview of all fields on the Item Card that are related to fields on the Master Card.

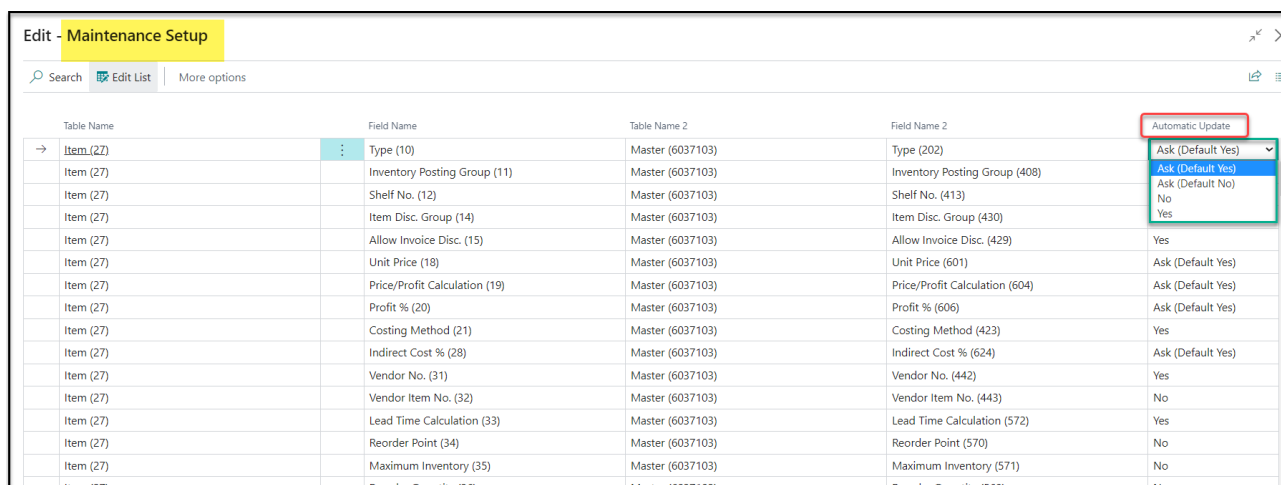


Table Name	Field Name	Table Name 2	Field Name 2	Automatic Update
Item (27)	Type (10)	Master (6037103)	Type (202)	Ask (Default Yes)
Item (27)	Inventory Posting Group (11)	Master (6037103)	Inventory Posting Group (408)	Ask (Default Yes)
Item (27)	Shelf No. (12)	Master (6037103)	Shelf No. (413)	Ask (Default No)
Item (27)	Item Disc. Group (14)	Master (6037103)	Item Disc. Group (430)	No
Item (27)	Allow Invoice Disc. (15)	Master (6037103)	Allow Invoice Disc. (429)	Yes
Item (27)	Unit Price (18)	Master (6037103)	Unit Price (601)	Ask (Default Yes)
Item (27)	Price/Profit Calculation (19)	Master (6037103)	Price/Profit Calculation (604)	Ask (Default Yes)
Item (27)	Profit % (20)	Master (6037103)	Profit % (606)	Ask (Default Yes)
Item (27)	Costing Method (21)	Master (6037103)	Costing Method (423)	Yes
Item (27)	Indirect Cost % (28)	Master (6037103)	Indirect Cost % (624)	Ask (Default Yes)
Item (27)	Vendor No. (31)	Master (6037103)	Vendor No. (442)	Yes
Item (27)	Vendor Item No. (32)	Master (6037103)	Vendor Item No. (443)	No
Item (27)	Lead Time Calculation (33)	Master (6037103)	Lead Time Calculation (572)	Yes
Item (27)	Reorder Point (34)	Master (6037103)	Reorder Point (570)	No
Item (27)	Maximum Inventory (35)	Master (6037103)	Maximum Inventory (571)	No
Item (27)	Reorder Quantity (36)	Master (6037103)	Reorder Quantity (568)	No

In the column **Automatic Update**, you can determine what the system should do, if you change the Value of the field in the Master Card. In the table below, the possibilities are described.

Option	Description
<i>Ask (default Yes)</i>	After changing the Value of the field in the Master, the system asks for a confirmation to change the related field on the Item Cards belonging to this Master. The Yes button will be the default.
<i>Ask (default No)</i>	After changing the Value of the field in the Master, the system asks for a confirmation to change the related field on the Item Cards belonging to this Master. The No button will be the default.
<i>No</i>	After changing the Value of the field in the Master, the system won't change the related field on the Item Cards. Only newly created Items from this Master will get the new Value of the field.
<i>Yes</i>	After changing the Value of the field in the Master, the system changes the related field on the Item Cards belonging to this Master automatically without any message.

However, it could also be that the Value of a particular field on an Item Card deviates from its Master or other Items related to this Master. It is always possible to go to the individual Item Cards and change the Values.

TRIMIT provides a feature that makes it possible to maintain the Values of deviating fields on the Item Card. Using this feature prohibits the user to go to the individual Item Cards and it enables the user to manipulate the fields on multiple Item Cards in one and the same overview: **Item Maintenance**. You can find it on the Master Card via **Related, Warehouse, Item Maintenance**.

In the overview you will see on the Lines the **Items** related to this Master. On the Columns you see the fields of the Item Card that you would like to manipulate.
Using the **View**, you can establish which fields you want to see in the Columns. You can define three different Views.

Master Card | Work Date: 9/6/2020

2110 · Mia Blouse

New Process Reports Actions Related Reports Fewer options

General

No. 2110

No. System MMMM

Description Mia Blouse

Base Unit of Measure PCS

Status Code

Collection No. FW-CY

Collection Relation Yes

Private Label

Exclude from Collection Check

Master Data

Comments

Portal

Sales Receivables

Purchases

Warehouse

Create Items

Regenerate Item Description 2

Stockkeeping Units

Create Stockkeeping Unit

SKU Maintenance

Item Unit of Measure Maintenance

Item Maintenance

Extended Location Mgt.

Type Inventory

Groups/Types

Item Type Finished Goods

Item Category Code

Mixed (5)

Blouses/Shirts (110)

Women (110)

*** SURFACE TREATMENT *** (0)

Flat Pack w/Plastic (20)

Costs & Posting

Costing Method Standard

Global Dimensions

Edit - Maintenance

Expand All Collapse All Previous Set Next Set Remove Filters on Variants Based on Setup Delete View 1 View 2 View 3 More options

Exp... Mas...	Type	Item No.	Description	Description 2	Item BOM [0=No 1=Yes]	Master BOM [0=No 1=Yes]	Assortment [0=No 1=Yes]	Variant 1	Variant 2	Vendor No.	Reorder Point	Maximum Inventory	Reorder Quantity
→	Master	2110	Mia Blouse		[FILTER]	[FILTER]	[FILTER]	[FILTER]	[FILTER]	2300	0	0	0
	Item	21103001	Mia Blouse	Yellow,XS	0	0	0	30	01	2300	0	0	0
	Item	21103002	Mia Blouse	Yellow,S	0	0	0	30	02	2300	0	0	0
	Item	21103003	Mia Blouse	Yellow,M	0	0	0	30	03	2300	0	0	0
	Item	21103004	Mia Blouse	Yellow,L	0	0	0	30	04	2300	0	0	0
	Item	21103005	Mia Blouse	Yellow,XL	0	0	0	30	05	2300	0	0	0
	Item	21103006	Mia Blouse	Yellow,XXL	0	0	0	30	06	2300	0	0	0
	Item	21103007	Mia Blouse	Yellow,3XL	0	0	0	30	07	2300	0	0	0
	Item	211030AA	Mia Blouse	Yellow,XS-L / 1221	1	0	1	30	AA	2300	0	0	0
	Item	211030BB	Mia Blouse	Yellow,S-XL / 1221	1	0	1	30	BB	2300	0	0	0
	Item	211030CC	Mia Blouse	Yellow,M-XXL / 1221	1	0	1	30	CC	2300	0	0	0
	Item	211030GG	Mia Blouse	Yellow,XS-XL / 12211	1	0	1	30	GG	2300	0	0	0
	Item	211030HH	Mia Blouse	Yellow,S-XXL / 12211	1	0	1	30	HH	2300	0	0	0
	Item	21106001	Mia Blouse	Forest Green,XS	0	0	0	60	01	2300	0	0	0

A commonly used example: for a Never-Out-Of-Stock Garment you can imagine that for the extreme size the **Reorder Point** and the **Maximum Inventory** are lower than for sizes that are more common. For these situations **View 1** in our Demo Sites presents the appropriate fields. But a company can create its own Views.

For more information about Item Maintenance and the setting up of the **Views**, we would like to refer to the White Paper **TRIMIT Item and SKU Maintenance**.

PRICE STRUCTURE

INTRODUCTION

As mentioned in the previous chapter, the goal is to maintain the **Items** as much as possible from the **Master Card**. If there is one thing that separates the individual Item, it is the pricing of these Items. Based on configuration choices both **Purchase** and **Sales Prices** are different.

For instance: the choice of a Wood Quality is directly of influence of the pricing structure, because Timber has a different price depending on its sort. For Garments you may also have different prices based on the Size.

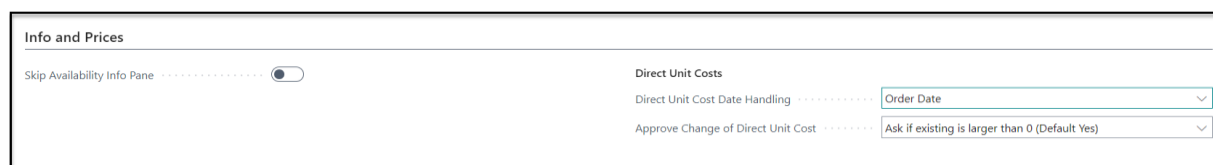
In this chapter the different ways of handling the price structure are discussed. Note that setting up the Price structure in TRIMIT is based on the standard BC Pricing tables.

More details can be found in the White Paper **TRIMIT Sales Prices and Discounts**.

SETUPS

In the White Paper **TRIMIT Sales Prices and Discounts** the **Inventory Setup** and the **Sales & Receivable Setup**, the settings required with regards to the Price Structure are discussed extensively. So, we would like to refer to this White Paper.

However, there are also some settings on the **Purchase & Payables Setup**, that matters for the Pricing structure. These will be discussed in this chapter.



The Boolean **Skip Availability Info Pane** determines whether the system should automatically calculate the Availability in the **Purchase Line Details** FactBox of a Purchase Line.

If you choose **Yes**, the Availability will not be calculated, and this might be important regarding performance in the Purchase Order entry.

If you choose **No**, the Availability will be calculated the moment you enter the Items on the Purchase Lines.

The Parameter **Direct Unit Cost Date Handling** established which Date of the Purchase Header or -Line will be compared with the **Starting-** and **Ending** Date of the Purchase Prices determining the Direct Unit Cost for a Purchase Line. In the table below the different options are described.

Option	Description
<i>Order Date</i>	The Starting Date and Ending Date of the Purchase Prices will be compared with the Order Date of the Purchase Header.
<i>Expected Receipt Date</i>	The Starting Date and Ending Date of the Purchase Prices will be compared with the Expected Receipt Date of the Purchase Line.

NOTE

The **Direct Unit Cost** of a **Purchase Line** might also change if the Parameter is set to *Expected Receipt Date* and you change this Date via **Container Management**.

This field is also in the **Purchase Header** (FastTab *Misc.*) but is not shown by default.

If you make a change at a **Purchase Line** that might influence the calculation of **Direct Unit Cost**, the Direct Unit Cost will be recalculated. With the Parameter **Approve Change of Direct Cost**, you can determine when to execute a change of **Direct Unit Cost**. You can choose between the following seven options:

Option	Description
<i>Ask if Existing is larger than 0 (Default Yes)</i>	The Direct Unit Cost will be recalculated and changed automatically if the recalculated Direct Unit Cost differs from the existing Direct Unit Cost. You will be asked to accept the change only if the existing Direct Unit Cost is larger than 0 (zero). The default answer is <i>Yes</i> .
<i>Ask if Existing is larger than 0 (Default No)</i>	The Direct Unit Cost will be recalculated and changed automatically if the recalculated Direct Unit Cost differs from the existing Direct Unit Cost. You will be asked to accept the change only if the existing Direct Unit Cost is larger than 0 (zero). The default answer is <i>No</i> .
<i>Always Ask (Default Yes)</i>	The Direct Unit Cost will always be recalculated and changed automatically if the recalculated Direct Unit Cost differs from the existing Direct Unit Cost. The default answer is <i>Yes</i> .
<i>Always Ask (Default No)</i>	The Direct Unit Cost will always be recalculated and changed automatically if the recalculated Direct Unit Cost differs from the existing Direct Unit Cost. The default answer is <i>Yes</i> .
<i>Change without Acceptance</i>	The Direct Unit Cost will always be recalculated and changed automatically, if the recalculated Direct Unit Cost differs from the existing Direct Unit Cost.
<i>Is never changed</i>	The Direct Unit Cost will never be calculated, recalculated, or changed automatically. If you want to calculate or change the Direct Unit Cost, it must be done manually.
<i>Is not changed when Freeze Direct Unit Cost is Set to Yes</i>	In a Purchase Line , you can set field Freeze Direct Unit Cost to <i>Yes</i> . This means that you do not want to change the Direct Unit Cost . With this option, you make sure that the Direct Unit Cost also will not be recalculated or changed automatically.

Note that this setup, the **Sales & Receivables Setup**, and the **Inventory Setup** are also described in the White Paper *TRIMIT Setups*.

SALES PRICE AND PURCHASE PRICE TABLE

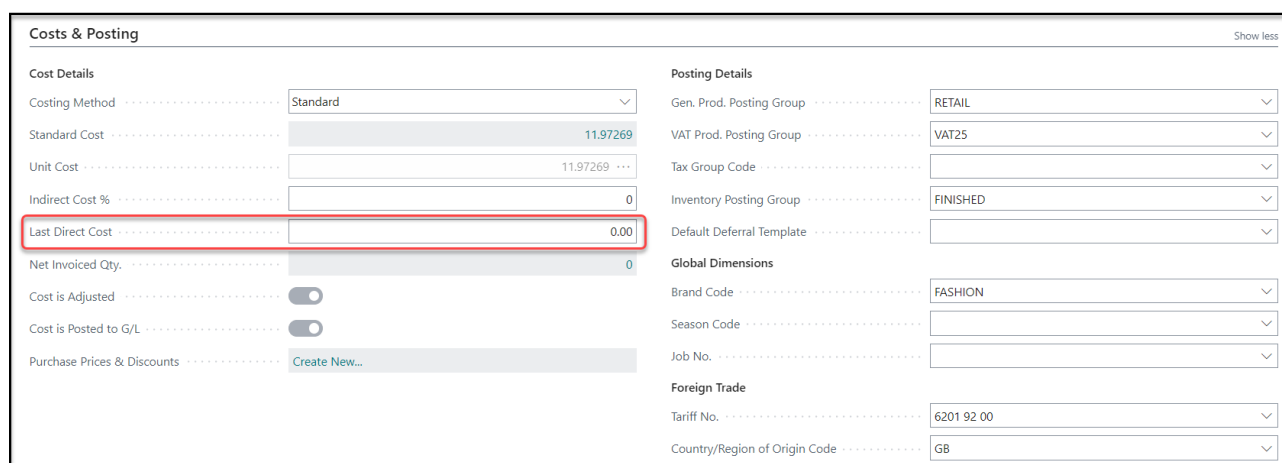
The **Sales Price table** is a standard BC Page that has been enhanced by TRIMIT. Via the Cards and Lists of **Master, Item, Customer, Customer Price Group** and **Price Group Parameters**, you can enter the Sales Prices Table. The fields and functions of this page are discussed in the White Paper **TRIMIT Sales Prices & Discounts**.

Like the Sales Price table, the **Purchase Price Table** is also an enhanced version of the standard BC feature. Most of the fields and functions are identical to the Sales Price table, so these are also discussed in the above-mentioned White Paper. However, the Purchase Price table has an extra feature of updating the **Last Direct Cost**, which will be discussed in the next paragraph.

UPDATE PURCHASE PRICES ON ITEMS

On the standard BC **Item Card**, you can find the field **Last Direct Cost**, which is often the basis for calculating the **Unit Cost** of the Item. Due to the many variations an Item can have when generated from the **Master**, it is safe to assume that the **Last Direct Cost** and therefore the **Unit Cost** can be unique for any individual Item.

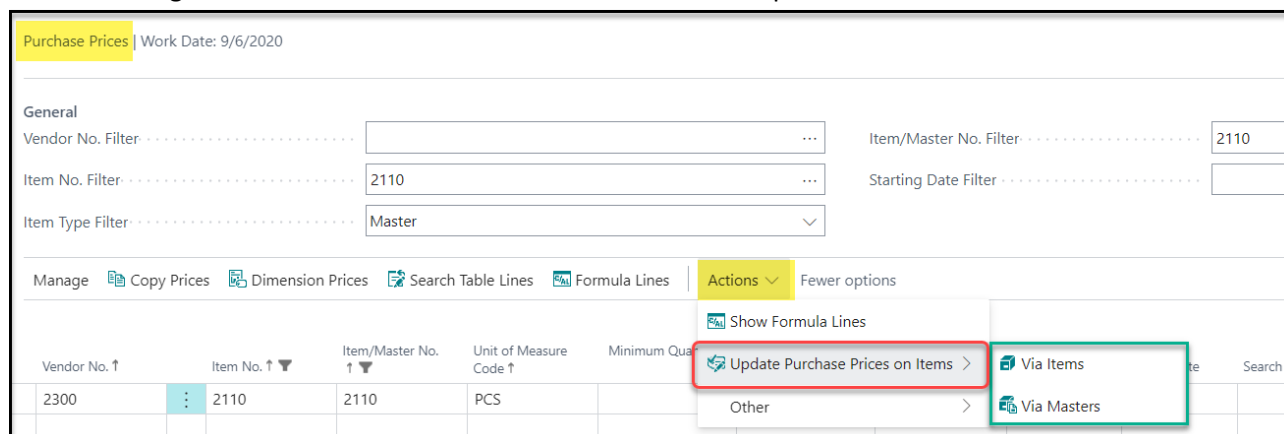
The **Last Direct Cost** will be calculated by the system the moment the Inventory is posted for an Item. That can be via a Purchase Order or Production Output.



However, it is often the case that a Product is sold first before it is posted on Inventory. If the newly created Item has a **Unit Cost** of 0, the Sales Margin is 100% and will not represent a realistic Margin. Therefore, the **Unit Cost** will be calculated with the **Last Direct Cost** as a basis. However, the **Last Direct Cost** will be calculated depending on the setting on the Master Card. These settings are described in the White Paper **TRIMIT Financials**.

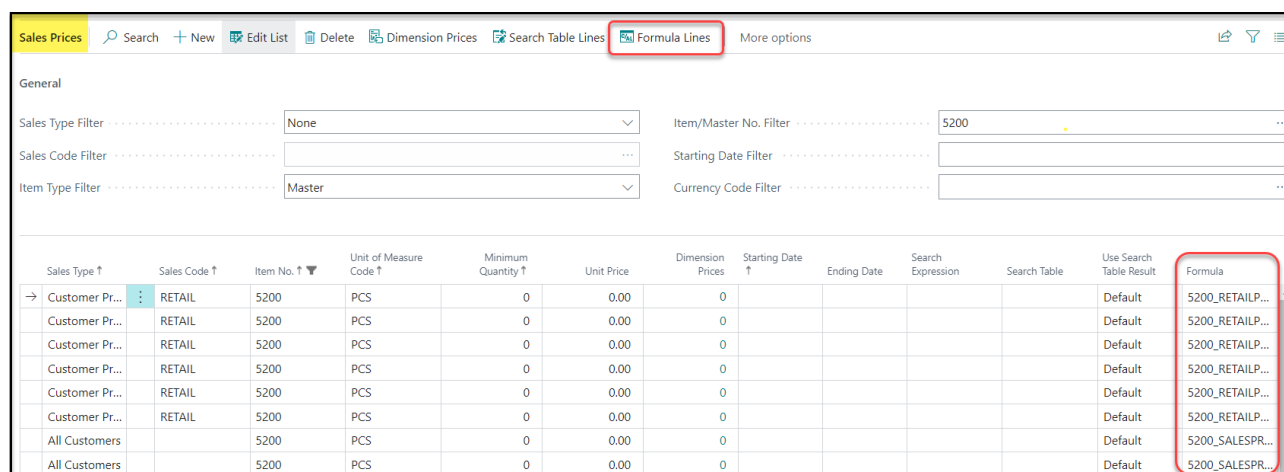
However, when Items are created and the **Last Direct Cost** is based on the **Purchase Price List**, it is possible that the Purchase Prices are created after the creation of the Items. In that case the **Last Direct Cost** is 0 and therefore also the **Unit Cost**. In that case TRIMIT has created a function **Update Purchase Price on Items**. This Function enable the user to update the **Last Direct Cost** on the individual Items based on one of the Purchase table Lines, where it is also possible to determine which of the Purchase lines will be selected

for the updating and perhaps the **Item Charges** that have been setup for the Master. Also, this function and related settings are described in the above-mentioned White Paper **TRIMIT Financials**.



SALES PRICE CALCULATION WITH FORMULAS

The Sales Price could be very dependent on the variations within the Master. For this reason, TRIMIT has introduced the possibility of Formulas on the Price List Lines. With these Formulas you can make the most complex calculations of the **Unit Price**.



Sales Type	Sales Code	Item No.	Unit of Measure	Minimum Quantity	Unit Price	Formula
Customer Pr...	RETAIL	5200	PCS	0	0.00	5200_RETAILP...
Customer Pr...	RETAIL	5200	PCS	0	0.00	5200_RETAILP...
Customer Pr...	RETAIL	5200	PCS	0	0.00	5200_RETAILP...
Customer Pr...	RETAIL	5200	PCS	0	0.00	5200_RETAILP...
Customer Pr...	RETAIL	5200	PCS	0	0.00	5200_RETAILP...
Customer Pr...	RETAIL	5200	PCS	0	0.00	5200_RETAILP...
All Customers		5200	PCS	0	0.00	5200_SALESPR...
All Customers		5200	PCS	0	0.00	5200_SALESPR...

However, you should realize the following.

1. The **Unit Price** becomes visible after you have made all the configuration entries. This means that you have no idea which of the choices have the biggest influence on the **Unit Price**.
2. Although the calculations can be quite complicated, people should understand the outcome.

In which situations should you use the Formula on the Price List Line:

- If the variation of the price is (also) depending on **Dimensions**.
- If the variation of the price is (also) depending on **Variants** which don't have a **VarDim Type Placement on Item No.** in the **VarDim Master**.
- If a combination of variants determines the variation of the price.

The latter is the example that you can find in the screenshot above. This comes from the pricing table of the *Sofa Persephone* (**Master No. 5200**). The Sales Price of the Sofa is depending on the **Type** of the Sofa

and the choice of the **Box Exterior Material** (Upholstery Material). This can be seen per **Currency** in a **Search Table** that can be found on the **Formula Line**.

	Sofa Type ↑	Sofa Frame Parts	Box Exterior Material ↑	Sofa Box Exterior Material	Retail Price DKK	Retail Price EUR	Retail Price GBP	Retail Price NOK	Retail Price SEK	Retail Price USD	Sales Price GBP
☐	52001	Persephone 1 Seater	55	Leather	6,490.0	949.0	749.0	7,090.0	7,490.0	1,499.0	375.0
☐	52001	Persephone 1 Seater	88	Fabric	4,990.0	749.0	599.0	5,490.0	5,990.0	1,199.0	300.0
☐	52002	Persephone 2 Seater	55	Leather	8,990.0	1,249.0	999.0	9,490.0	9,990.0	1,999.0	500.0
☐	52002	Persephone 2 Seater	88	Fabric	6,990.0	999.0	799.0	7,490.0	7,990.0	1,599.0	400.0
☐	52003	Persephone 3 Seater	55	Leather	10,990.0	1,499.0	1,199.0	11,490.0	11,990.0	2,399.0	625.0
☐	52003	Persephone 3 Seater	88	Fabric	8,900.0	1,249.0	999.0	9,490.0	9,990.0	1,999.0	500.0

So, working with Formulas is the most flexible way. However, there are specific situations that allows an easier setup for Unit Price Calculations. These are discussed in the next two paragraphs.

SALES UNIT PRICE CALCULATION USING SEARCH EXPRESSION

For the Fashion Industry we have added the system features that makes it easier for them. One of them is the Matrix pages. The other one is using the **Search Expression** to enter a **Unit Price** based on the variants. This feature can also be used in other industries. The only condition is that the **Unit Price** is depending on Variants that have a **VarDim Type Placement in Item No.**

Item 2130 Work Date: 9/6/2020													
Sales Prices Search + New Edit List Delete Dimension Prices Search Table Lines Formula Lines More options													
General													
Sales Type Filter				None				Item/Master No. Filter				2130	
Sales Code Filter								Starting Date Filter					
Item Type Filter				Master				Currency Code Filter					
Sales Type ↑	Sales Code ↑	Item No. ↑	Unit of Measure Code ↑	Minimum Quantity ↑	Unit Price	Dimension Prices	Starting Date	Ending Date	Search Expression	Search Table	Use Search Table Result	Formula	
→ Customer I	RETAIL	2130	PCS	0	85.00	0			SIZE_A	ST00027	Default		
Customer Pri...	RETAIL	2130	PCS	0	11.00	0			SIZE_A	ST00028	Default		
Customer Pri...	RETAIL	2130	PCS	0	10.00	0			SIZE_A	ST00029	Default		
Customer Pri...	RETAIL	2130	PCS	0	90.00	0			SIZE_A	ST00030	Default		
Customer Pri...	RETAIL	2130	PCS	0	100.00	0			SIZE_A	ST00031	Default		
Customer Pri...	RETAIL	2130	PCS	0	12.00	0			SIZE_A	ST00032	Default		
All Customers		2130	PCS	0	6.00	0			SIZE_A	ST00033	Default		
All Customers		2130	PCS	0	7.00	0			SIZE_A	ST00112	Default		
All Customers		2130	PCS	0	6.00	0			SIZE_A	ST00111	Default		

The field **Search Expression** can be found in the **Price Table Line**. By clicking on the **AssistEdit** button, a page opens in which you can select the VarDim Types on which the **Unit Price** can be depending. You can select more than one.

Edit - Auto generate Formulas				
Search + New Edit List Delete				
Choose VarDim Type	Choose VarDim Grouping	Type No.	VarDim Type Name	
☐		COLOR_1	Garment/Fabric Colors	
→ ☐		SIZE_A	Casual Sizes and Assortments	

If you do so, then you can click **Search Table Lines** to open the page in which you can enter the different **Unit Prices** based on the selection in the Search Expression. For instance, **SIZE_A**.

Edit - Search Table Lines					
Search + New Edit List Delete Search Table Header Maintain					
Inactive	Not Valid	SIZE_A ↑	Casual Sizes and Assortments		Unit Price
→	☐	☐	01	XS	85.0
	☐	☐	02	S	85.0
	☐	☐	03	M	85.0
	☐	☐	04	L	90.0
	☐	☐	05	XL	90.0
	☐	☐	06	XXL	90.0
	☐	☐	07	3XL	90.0
	☐	☒	AA	S-XL 1221	425.0
	☐	☒	BB	S-XXL 1221	510.0
	☐	☒	CC	M-XXL 1221	425.0
	☐	☒	DD	M-3XL 1221	520.0
	☐	☒	EE	L-3XL 1221	425.0

NOTE

In the same table it is also possible to setup **Unit Prices** for **Assortments** as shown in the screenshot above.

It could be very well, that the **Variant Options** can be classified in different Groups. Those Groups can be setup in the VarDim Variant Option table: **Group 0 – Group 9**. These groupings are discussed in the previous chapter.

VarDim Variant Option No. SIZE_A - 23										
Search + New Edit List Delete Actions Related Fewer options Show as menu										
Value ↑	Description	Short Description	Color Reference	RGB Code	RGB Code (Hex)	No Image	Picture	Attribute Value	Group 0 Name	
→ 01	XS	XS				☐	+	XS	1	
02	S	S				☐	+	S	1	
03	M	M				☐	+	M	1	
04	L	L				☐	+	L	2	
05	XL	XL				☐	+	XL	2	
06	XXL	XXL				☐	+	XXL	2	
07	3XL	3XL				☐	+	3XL	2	
08	4XL	4XL				☐	+	4XL	3	
09	5XL	5XL				☐	+	5XL	3	

In order to activate entering different **Unit Prices** per Group, you'll have to add **[G#]** to the **Search Expression**, where # stands for the **Grouping number**. As VarDim Option the Value in the Grouping is now shown.

Sales Type ↑	Sales Code ↑	Item No. ↑	Unit of Measure Code ↑	Minimum Quantity ↑	Unit Price	Dimension Prices	Starting Date ↑	Ending Date	Search Expression	Search Table
→ Customer Pri...	RETAIL	2130	PCS	0	85.00	0			SIZE_A[G0]	ST00152
Customer Pri...	RETAIL	2130	PCS	0	11.00	0			SIZE_A	ST00028

Edit - Search Table Lines					
Search + New Edit List Delete Search Table Header Maintain					
Inactive	Not Valid	SIZE_A ↑	Casual Sizes and Assortments		Unit Price
→	☐	☐	1		85.0
	☐	☐	2		95.0

VARDIM ADJUSTMENT SALES PRICES

Another possibility is to have a basis **Unit Price** for an **Item** and then have Unit Price increments based on Variants. This only works if there is a direct link between a specific Variant and its increment. It has the advantage that during the configuration you can see immediately what the consequence is of the choice in the column **Adjust Amount Sales**.

Edit - VarDim Orders						
Actions ▾ Related ▾						
Description	Value	Name	Adjustment Amount Sales	Quantity	Dimen...	2
Chair Specification			0.00		No	
Chair Type	03	Retro	0.00		No	
Wood Type	30	Walnut	6.00		No	
Surface Treatment	10	Clear Lacquer	11.00		No	
Seat Specification			0.00		No	
Seat Cover	55	Leather	15.00		No	
→ <u>Seat Color</u>	99	Black	0.00		No	

NOTE

We advise this way of building up a **Unit Price** during the configuration on the *TRIMIT Portals*. The **Customer/Consumer** is now able to see what pricing consequence a choice has. This is therefore the most transparent way of Unit Price calculation.

The setup for these Adjustments can be found in the Master Card via **Related, Sales Receivables, VarDim Adjustment Sales Prices**. This page is called the **VarDim Sales Prices**. In this table you can setup per Variant Option the appropriate **Adjustment Amount Sales**. This adjustment can be positive or negative.

Master Card | Work Date: 9/6/2020
5010 · Chair Pollux

New Process Reports Actions ▾ Related ▾ Reports ▾ Fewer options

Bill of Materials
Measurement C
Master Data
Workflow
Composition
Comments
Portal
Sales Receivables
Purchases
Warehouse

Additional Info
Additional Comments
VarDim Master
Collections
Inve
Additional Tags
Copy Values
Attributes
Item List
Stat
Line Discount
Documents - Matrix
Documents - Item
Commission
Bonus

Sales Prices
VarDim Adjustment Sales Prices

No. System MMMM
Description Chair P
Base Unit of Measure PCS
Status Code
Collection No.
Collection Relation No
Private Label
Exclude from Collection Check

Finished Goods
*** DESIGN *** (0)
Chairs (610)
*** Gender *** (0)
*** SURFACE TREATMENT *** (0)
*** PACKING *** (0)

Master 5010 | Work Date: 9/6/2020

VarDim Sales Prices

General

Sales Type Filter: None

Sales Code Filter: ...

Item Type Filter: Master

Item/Master No. Filter: 5010

VarDim Type No. Filter: ...

Starting Date Filter: ...

Currency Code Filter: ...

Sales Type ↑	Sales Code ↑	Item/Master No. ↑	Description	Currency Code ↑	VarDim Type ↑	Value ↑	Starting Date ↑	Ending Date	Adjustment Amount Sales	Price Includ... VAT	Formula
All Customers		5010			SEAT_MAT	55			15.00	☐	-
All Customers		5010			SEAT_MAT	88			2.00	☐	-

You can only work with VarDim Adjustment Pricing, if you have the following setting on the **Master Card**: The field **VarDim Addition to Unit Price** should be set on Yes.

Master Card | Work Date: 9/6/2020

5010 · Chair Pollux

New Process Reports Actions Related Reports Fewer options

Prices & Sales

General

Unit Price: 0.00

Price Includes VAT: ☒

Unit List Price: 0.00

Price Calculation

Unit Price Calculation Method: Price List

Management Level Unit Price: 0

VarDim Addition to Unit Price: Yes

Price/Profit Calculation: Profit=Price-Cost

Profit %: 0

Commission / Bonus

Item Commission Group: ...

Item Bonus Group: ...

However, you also have to decide on the **VarDim Master List** for which **VarDim Types** you want to have a VarDim Addition to the basic **Unit Price**. This is determined by the field **Search Unit Price Adjustment**. In that case the setting should be Yes. Note that this has to be setup for every individual Master.

Edit - VarDim Master List - 5010 · Chair Pollux

Search + New Edit List Delete Card Variant Table Copy Actions Related Fewer options

Type	VarDim Type	Description	VarDim Type Placement in Item No.	Consistent Inheritance	Dimension 2	Search Unit Price Adjustment
→ Headline	CHAIR	Chair Specifications		☐	No	No
Variant	CHAIRTYPE	Chair Type		☐	No	Yes
Variant	WOOD	Wood Type		☐	No	Yes
Variant	SURFACE	Surface Treatment		☐	No	Yes
Headline	SEAT	Seat Specifications		☐	No	No
Variant	SEAT_MAT	Seat Material		☐	No	Yes
Variant	SEAT_COL	Seat Color		☐	No	No

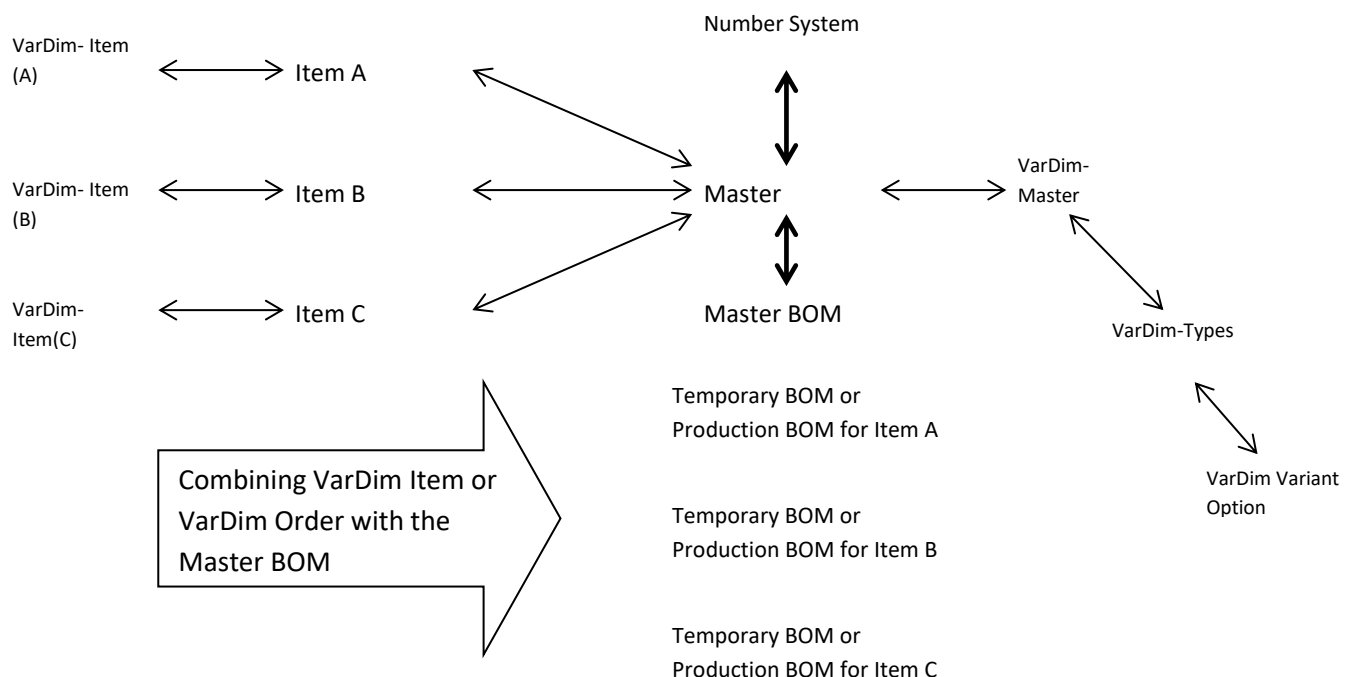
BOM STRUCTURE

INTRODUCTION

If you are to produce Furniture, perhaps you can get a competitive advantage if you open some of the options to be decided by the Customer. For example, the Customer can choose between different Styles, Wood Qualities, Upholstery Materials and Colors, Measurements, etc. In the previous chapters is discussed how to setup these Products in the form of **Masters** with a set of questions (**VarDim Master**).

From these Masters, Items can be generated via answering these questions (**VarDim Item**, **VarDim Order**). This is how the configuration process works. Also, the creation via **Matrix** works via the configurator by answering certain questions. The general idea is to maintain those created Items as much as possible from the **Master Card**. This could be done for all the fields and related information, and also for determining **Unit Prices**.

Every created Item also has a unique BOM. But you do not want to create a BOM manually every time a new Item is created. Therefore, TRIMIT is enabled to have a **Master BOM** on the Master. This Master BOM acts as a BOM Template to calculate a **Temporary BOM** for every **Item**. Below you see a graphical representation of the Master/Item/BOM structure.



However, it is possible to work with a **fixed BOM** as well. The conditions to work with these are discussed later in this chapter. In the next paragraph also the other BOM related issues are discussed.

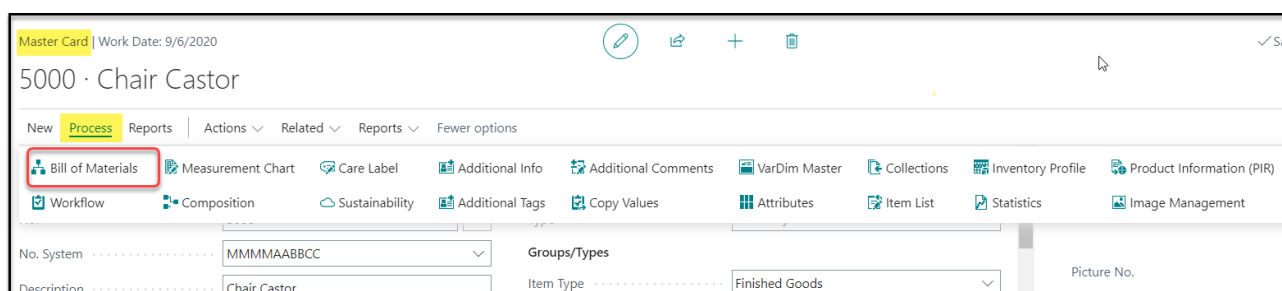
NOTE

In standard BC, components and time are separated in two different tables: BOM and Routing. This is not the case in TRIMIT. In TRIMIT the BOM may contain **Raw Materials**, **Sub-assemblies**, **Operations** and **Setup Times**.

MASTER BOM

As mentioned in the introduction you can avoid the manual creation of the Item BOMs by setting up a **Master BOM**. In the **Master BOM** you have all the business rules you need to create the appropriate **Temporary BOMs**. These business rules are put in the TRIMIT Formulas.

The Master BOM can be found on the Master Card via **Process (or Home)**, **Bill of Materials**.



Needless to say, that if the Items related to a Master have much in common, so do their Components. The differences are made by the variations. Below you can find a couple of examples:

- A Chair is made of *Oak*, then also the Wooden Components are most likely made of *Oak*.
- The Upholstery of a Sofa is made of *Black Leather*, then the Material used for the Upholstery is *Leather* with the Color *Black*.
- It could very well be that based on a particular Color, other components can have a contrast Color for instance: an Orange shirt has Red buttons, a Blue shirt has Green buttons, etc.
- The Type of Chair determines the quantity of bars that should be used.



- The Diameter of a circular Tabletop determines the quantity of required Tabletop Material.
- The position of a Logo on a shirt can be chosen during configuration.
- The Dimensions of a rectangular Tabletop results in Measurements of the cut board.
- Etc.

Summarizing: the Variants and Dimensions on the main Item results in specific Variants and Dimensions on the Raw Materials and can also manipulate the Measurements, Quantity, and Position of the Raw Material.

5000 - Chair Castor | Work Date: 9/6/2020 ✓ Saved

BOM Component Lines Search + New Edit List Delete Formula Lines Search Table Lines Copy Bill of Materials Next Level Actions Related Fewer options

Type	Part Item No.	Group Filter	No.	Description	Quantity per	Unit of Measure Code	Effective Date	Expiry Date	Search Expression	Qua... per in Sear... Table	Formula	Work Center	Info... Item
→ Item		SUBASSEMBL	M3005	Chair Seat	1	PCS				☐	5000_10000		☐
Item	FRONT	FURNPARTS	M3010	Chair Legs	2	PCS				☐	CT_W_FL		☐
Item	BACK	FURNPARTS	M3010	Chair Legs	2	PCS				☐	CT_W_BL		☐
Item		FURNPARTS	M3020	Chair Top Piece	1	PCS				☐	CT_W_T		☐
Item		FURNPARTS	M3030	Chair Bar	0	PCS				☐	CT_W_B		☐
Operation		OPERATIONS	300050	Mount	10	MIN				☐		3050	☐
Item		PAINTS	M3990	Lacquer RAL	0.4	L				☐	5000_70000		☐
Item		PAINTS	M3995	Oil (for impregnation)	0.38	L				☐	5000_80000		☐
Operation		OPERATIONS	300060	Surface Treatment	0	MIN				☐	ST_CHAIR	3060	☐

The relationship between the main Item Variants and Dimension and the BOM component properties are set in TRIMIT **Formulas**.

In general: with the TRIMIT **Formulas** you can manipulate any field on the Component Line. In a following paragraph the Formula feature is discussed a little more. For detailed information about Formulas, we refer to the White Paper **TRIMIT Formulas**.

NOTE

As the Raw Materials (and Sub-Assemblies) can also come in Variants and Dimensions, they are setup as **Masters** as well like regular Finished Products.

TEMPORARY ITEM BOM

Why a **temporary Item BOM**? Its origin comes from the fact that in TRIMIT you could have many different Items configured, which all fall under the same *generic Item No.* It is impossible to store all these different BOMs under one *generic Item*.

However, why should we? In TRIMIT you create a **Related Order** directly to the **Sales Order Line**. If you calculate a BOM for a particular Item and put the Components on the **Production Order Lines**, there is no need any more to store this BOM. So therefore, the **Item BOM** TRIMIT calculates is Temporary. This BOM can be generated any time it is required from the **Master BOM**.

This has the advantage that if you change the **Master BOM**, the next Temporary BOMs will be created according to the latest Master BOM data. The current Component Lines won't be updated. In case you would have used fixed Item BOMs instead of a Temporary BOMs, these changes must be implemented on all the existing Item BOMs.

A Temporary BOM can be opened from the **Item List** or the **Item Card** (both via **Process (or Home)**, **Bill of Materials**).

Items | Work Date: 9/6/2020

Search + New Manage **Process** Item Prices & Discounts Attributes Report More options

Master Care Label Additional Info Additional Comments Inventory Profile Product Information (PIR) **Bill of Materials**

Composition Sustainability Additional Tags Copy Item VarDim Items Image Management

Filter list by:
× Item Type

Item No.	Item Name	Category	Material	Quantity	Unit	Process	Waste	Scrap %	Master No.	Variant 1	Variant 2	Variant 3
5000012020	Finished Goods	Chair Castor	Classic,Oak,Oil	5000	10	No			1	No		
5000013000	Finished Goods	Chair Castor	Classic,Walnut,Natural	5000	0	No			1	No		
5000013010	Finished Goods	Chair Castor	Classic,Walnut,Clear Lacquer	5000	0	No			1	No		
5000013020	Finished Goods	Chair Castor	Classic,Walnut,Oil	5000	0	No			1	No		
5000014000	Finished Goods	Chair Castor	Classic,Beech,Natural	5000	0	No			1	No		

Item Card | Work Date: 9/6/2020

5000013010 · Chair Castor

Process Item Prices & Discounts Actions Related Fewer options

Composition Sustainability Additional Tags Master Create Stockkeeping Unit Inventory Profile

Care Label Additional Info Additional Comments Copy Item Apply Template **Bill of Materials**

Description Chair Castor Gender

Description 2 Classic,Walnut,Clear Lacquer Item Statistics Group 4

In the Temporary BOM you may see the **Finished Product**, Sub-assemblies, Raw Materials, Operations and Setup Times. You can also see by the indents how many BOM levels there are.

In the example below you can see a **first level BOM** and a **second level BOM**.

Note that the Finished Product and Sub-assemblies have a **bold** font.

Edit - Production Line Buffer

Regenerate Related Record VarDim Items Master BOM Line Next Level More options

Type	No.	Description	Part Item No.	Quantity per	Calculated Consumption Qty. (Base)	Base Unit of Measure	Vendor No.	Process Waste	Scrap %	Master No.	Variant 1	Variant 2	Variant 3
Item	5000013010	Chair Castor Classic,Walnut,...		1	1	PCS		0	0				
Item	M30050130...	Chair Seat Classic,Walnut,W...		1	1	PCS		0	0	M3005	01	30	00
Item	M30250130	Chair Seat - Back Piece Classic,...		1	1	PCS	3000	0	0	M3025	01	30	
Item	M304030	Chair Seat - Front Piece Walnut		1	1	PCS	3000	0	0	M3040	30		
Item	M304530	Chair Seat - Side Piece Walnut		2	2	PCS	3000	0	0	M3045	30		
Item	M305030	Chair Seat - Wood Walnut		1	1	PCS	3000	0	0	M3050	30		
Oper...	300050	Mount		1	1	MIN		0	0				
Item	M30100130F	Chair Legs Classic,Walnut,Front	FRONT	2	2	PCS	3000	0	0	M3010	01	30	F
Item	M30100130B	Chair Legs Classic,Walnut,Back	BACK	2	2	PCS	3000	0	0	M3010	01	30	B
Item	M30200130	Chair Top Piece Classic,Walnut		1	1	PCS	3000	0	0	M3020	01	30	
Item	M30300130	Chair Bar Classic,Walnut		3	3	PCS	3000	0	0	M3030	01	30	
Operat...	300050	Mount		10	10	MIN		0	0				
Item	M39900000	Lacquer RAL Clear		0.4	0.4	L	3400	0	0	M3990	0000		
Operat...	300060	Surface Treatment		15	15	MIN		0	0				

TEMPORARY BOM ON GENERIC ITEMS

Configuration could also result in a lot of Customer specific **Items** that might be produced only once. Therefore, it does not make sense to store these Items under its own unique number and create BOMs that will never be used again. To have the Items stored under a *generic* Item No. and have **Temporary BOMs** avoids having a long list of Items and BOMs.

If Items with a *generic Item No.* are placed on a Sales Order, it is required to have a **Related Order** linked to it. If this Related Order is a **Production Order**, a Temporary BOM will be generated. The Components calculated in this Temporary BOM will be placed on the Component **Lines** of the Production Order. After this the Temporary BOM will be thrown away. So, there is no way that a Temporary BOM of these kinds of Items can be opened as described in the paragraph above.

BOM LEVELS IN MASTER BOM

In the **Temporary BOM** above you could already have seen that there is a possibility of more BOM levels. There is no limit to the number of levels.

In the **Master BOM** it is possible to navigate to the next level BOM by selecting the appropriate BOM Component Line and then click on **Next Level**.

5000 - Chair Castor | Work Date: 9/6/2020

✓ Saved

BOM Component Lines

Search + New Edit List Delete Formula Lines Search Table Lines Copy Bill of Materials Next Level Actions Related Fewer options

Type	Part Item No.	Group Filter	No.	Description	Quantity per	Unit of Measure Code	Effective Date	Expiry Date	Search Expression	Qua... per in Sear... Table	Formula	Work Center	Info... Item	Exc from Tra on
→ Item		SUBASSEMBL	M3005	Chair Seat	1	PCS					5000_10000			
Item	FRONT	FURNPARTS	M3010	Chair Legs	2	PCS					CT_W_FL			
Item	BACK	FURNPARTS	M3010	Chair Legs	2	PCS					CT_W_BL			
Item		FURNPARTS	M3020	Chair Top Piece	1	PCS					CT_W_T			
Item		FURNPARTS	M3030	Chair Bar	0	PCS					CT_W_B			
Operation		OPERATIONS	300050	Mount	10	MIN						3050		
Item		PAINTS	M3990	Lacquer RAL	0.4	L					5000_70000			
Item		PAINTS	M3995	Oil (for impregnation)	0.38	L					5000_80000			
Operation		OPERATIONS	300060	Surface Treatment	0	MIN					ST_CHAIR	3060		

After doing so, the next BOM level opens, which can have a next level itself. And so on, and so on....

M3005 - Chair Seat | Work Date: 9/6/2020

✓ Saved

BOM Component Lines

Search + New Edit List Delete Formula Lines Search Table Lines Copy Bill of Materials Next Level Actions Related Fewer options

Type	Part Item No.	Group Filter	No.	Description	Quantity per	Unit of Measure Code	Effective Date	Expiry Date	Search Expression	Qua... per in Sear... Table	Formula	Work Center	Info... Item	Exc from Tra on
→ Item		FURNPARTS	M3025	Chair Seat - Back Piece	1	PCS					M3005_10000			
Item		FURNPARTS	M3040	Chair Seat - Front Piece	1	PCS					WT_SP			
Item		FURNPARTS	M3045	Chair Seat - Side Piece	2	PCS					WT_SP			
Item		FURNPARTS	M3050	Chair Seat - Wood	1	PCS					M3005_40000			
Item		FURNPARTS	M3055	Chair Seat - Wood and Foam	1	PCS					M3005_50000			
Item		FABRICS	M3900	Fabrics for Upholstery (width 2...	0.1	M					M3005_60000			
Item		FABRICS	M3910	Leather	0.25	M2					M3005_70000			
Operation		CUTTING	300010	Cut	0	MIN					M3005_80000	3010		
Operation		OPERATIONS	300100	Upholster	2	MIN					M3005_90000	3050		
Operation		OPERATIONS	300050	Mount	1	MIN						3050		

FIXED ITEM BOM

When you click **Process (or Home), Bill of Materials** on the **Master Card**, the **Master BOM** will automatically open.

However, if you click **Process (or Home), Bill of Materials** on the **Item Card** or **Item List**, you have a choice to make:

- **Generate Temporary BOM:** the temporary BOM will be calculated based on the Master BOM and the TRIMIT Formulas.
- **Master BOM:** the Master BOM opens of the Master to which this Item belongs.
- **Item BOM:** the fixed Item BOM open.

This last option is called the **fixed Item Bom** because this Item BOM is not generated based on the Master BOM but need to be setup manually. No TRIMIT Formulas are there, so the Components have to be Items for which all variations are known or does not come in any Variation.

i

☐ Generate Temporary BOM
☒ Item BOM
☐ Master BOM.

OK

Cancel

Note that this **fixed Item BOM** is saved in the system. Changes need to be done manually.

NOTE

You can only work with a **fixed Item BOM**, if the Item to which the BOM belongs, does not change with variations of Items on a higher level.

In the Fashion industry it is very common to work with Assortments. An **Assortment** is a combination of the same Product that comes in different Color, Size and/or Quantities. If as Assortment is created, the system automatically creates a **fixed Item BOM** for it.

In the example below, you can see an Assortment that is defined from the *Rose Shirt* that comes in the Color *Lawn Green* with a Size range from *Small* to *Extra Large*. After defining this Assortment, a **fixed Item BOM** is created containing 6 pieces of this *Lawn Green* colored Shirt in different Sizes.

Item Card | Work Date: 9/6/2020

213065AA · Rose Shirt

Process

Item

Prices & Discounts

Actions ▾

Related ▾

Fewer options

Item

No. 213065AA

Description Rose Shirt

Description 2 Lawn Green,S-XL 1221

Master No. 2130

Blocked ☐

213065AA · Rose Shirt | Work Date: 9/6/2020

BOM Component Lines

Search

+ New

Edit List

Delete

Formula Lines

Search Table Lines

Copy Bill of Materials

Next Level

Type	Part Item No.	Group Filter	No.	Description	Description 2	Quantity per	Unit of Measure Code
→ Matrix			2130	Rose Shirt		6	
Item			21306502	Rose Shirt	Lawn Green,S	1	PCS
Item			21306503	Rose Shirt	Lawn Green,M	2	PCS
Item			21306504	Rose Shirt	Lawn Green,L	2	PCS
Item			21306505	Rose Shirt	Lawn Green,XL	1	PCS

LINK MATERIALS – OPERATIONS

In standard BC the Materials and the Operations are in different tables: **BOM** and **Routing**. If one or more of the Materials are posted automatically with a particular Operation, you need to setup **Routing Link Codes** in BC.

That is not the case in TRIMIT, because the Materials and the Operations are both present in the BOM. The sequence in which you place the BOM Component Lines is therefore important in TRIMIT, because that decides which Materials needs to be posted with which Operation. This is schematically shown in the Picture below:

Item M201020 will be posted when the Time Consumption are posted of the Lines in **Sequence 1**, while **Items M22025 and M210025**, will be posted after the Times Consumptions of **Sequence 2** are posted.

Position 1	Part Item No.	Type	No.	Description 1	Description 2	Quantity per	Unit of Measure Code	Measurement 1	Measurement 2	Calculated Consumption Qty.
		Item	M201020	Fabric 70% Polyamide, 30% Elastane	Royal Blue	2.1	M	0	0	31.5
		Setup	O300010	Setup for Cutting Machine		4	MIN	0	0	4
		Operation	300010	Cut		8	MIN	0	0	120
		Item	M220025	Buttons 0,5" Acrylic	Blue	16	PCS	0	0	240
		Item	M210025	Thread 100% Cotton	Blue	3.5	M	0	0	52.5
		Setup	O300080	Sew		5	MIN	0	0	5
		Operation	300080			10	MIN	0	0	150

However, the automatic posting only works on Masters/Items that have the following Fields set:

- **Material Consumption Method:** *General*
- **Material Consumption on Demand:** *No*

Master Card

Saved

2100 · Lily Blouse

[New](#)
[Home](#)
[Reports](#)
[Actions](#)
[Related](#)
[Reports](#)
[Automate](#)
[Fewer options](#)

New by Wizard

Planning

Show less

Purchase

Vendor No.

Vendor Item No.

Purch. Unit of Measure

Over-Receipt Code

MRP

Include in MRP ☒

Automatic Replenishment ☐

Replenishment System

Replenishment Policy

Create Related Order Instantly ☐

Lead Time Calculation

Time Final Handling Production

Reduce Production Order Quantity

Process Waste

Scrap %

Lock by Release of Related Order

Material Consumption Method

Material Consumption on Demand ☐

Finishing Method Related Order

Production Order No. Mandatory ☐

BOM Information

The **Material Consumption Method** *General* refers to the setting of the same field in the **Production Setup**. In the **Production Setup** this field has to be setup according to the following options:

- *Successive by Time Consumption*
- *Proportionally Successive by Time Consumption*

Work Date: 9/6/2020

✓ Saved

Production Setup

Registration

Prod. Order Lines

Time for Regeneration of Related Production Order

Online

Finishing

Material Consumption Method

Manual

Manual
Successive Forward Flushing
Successive by Time Consumption
Proportionally Successive by Time Consumption
Successive Backward Flushing

Outstanding Material by Finishing

Manual

Time for Related Order Posting

No

Finish Production Order by Task Registration

No

Close Inventory Production Orders at Finishing

☐

Close Order Production Orders at Finishing

☐

Automatically Archive Production Orders at...

☐

Journal Types

General Journal Template for Production Order

PRODUCTION

Production Journal Batch

DEFAULT

Approve Parameters

Approve Increased Material Consumption

Ask if Finished more than Planned (Default No)

Approve Increased Material Consumption

Ask if Finished less than Planned (Default No)

Learn more

Approve Increased Material Consumption

Ask if the Production Order is Released (Default No)

Approve Finishing Production Order

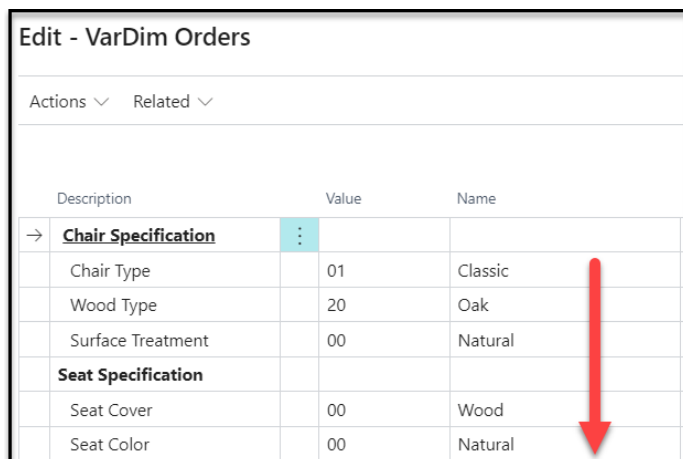
Ask if Finished Quantity is larger than Planned (Default No)

The complete Production Setup is described in the White Paper **TRIMIT Setup**.

EXTENDED CONFIGURATION

TOP-DOWN CONFIGURATION

In this document we have described the configuration process being linear. We advise to answer the configuration questions Top-Down. Especially, when the **Master** has an **Overall/Subordinate** table or if there are **VarDim Formulas** Top-Down Configuration is a must. In those cases, you may need an already filled in Value in the **Overall** VarDim.

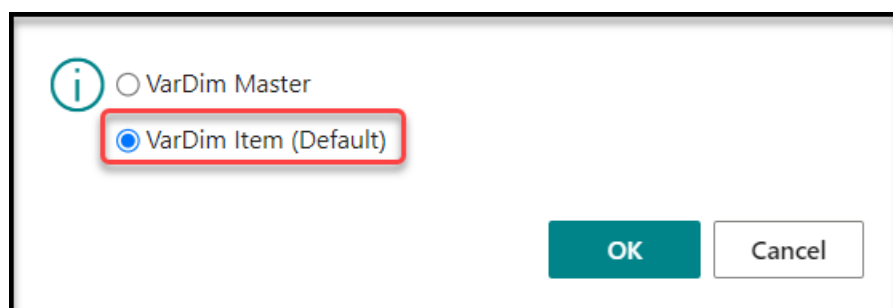


Description	Value	Name
→ Chair Specification		
Chair Type	01	Classic
Wood Type	20	Oak
Surface Treatment	00	Natural
Seat Specification		
Seat Cover	00	Wood
Seat Color	00	Natural

You could argue that you could setup it from the Bottom-Up, but then you have to do that always. For TRIMIT it does not matter what the direction is as long it is consistent. However, users intuitively enter a configuration Top-Down. Please consider that also Consumers can configure from the Web Shops, and it has to be clear to them too.

DEFAULT VALUES IN CONFIGURATION

Sometimes it could be useful to have some pre-defined choices when configuring. For instance, a Tabletop has a Thickness of 15 mm as a default. However, the Customer is allowed to make another choice. These default Values can be setup in the **VarDim Item (default)** from the **Master Card** via **Process (or Home)**, **VarDim Master** and select the option **VarDim Item (Default)**.



☐ VarDim Master
 ☒ VarDim Item (Default)

After doing so, a **VarDim Item (Default)** page opens. In here you can choose for every VarDim Type a default **Value**. This **Value** will then be automatically filled in the VarDim Item or VarDim Order when configuring with the possibility to deviate from this Value.

Edit - VarDim Items - 5100 · Cantina Table Circe						
Manage Copy Values Actions Related Fewer options						
Permanent or Optional	Type	VarDim Type	Description	Value	Name	
→ W (Optional with Defa...	Variant	VENEER	Veneer Types			
W (Optional with Defa...	Dimension	T_DIAMETER	Table Diameter (mm)			
W (Optional with Defa...	Variant	T_THICK	Thickness (mm)	15	15 mm	
W (Optional with Defa...	Variant	T_BASE_M	Table Base Metal			

MULTI-DIMENSIONAL CONFIGURATION

In the previous chapter where the VarDim Master List is discussed, the 2nd and 3rd Dimension are mentioned. In this paragraph we will have a closer look to this feature.

Imagine a Cabinet with several Drawers. Normally you would choose one Front Color for all the Drawers. However, you could give the configuring person an extra option to give some of the Drawers a different Front Color. In that case you have to setup a 2nd Dimension. (With a 3rd Dimension you could even go one level deeper for instance by having the Drawer Front separated in two pieces and every piece could have its own Front Color.)



Edit - VarDim Orders					
Actions Related					
Description	Value	Name	Adjustment Amount Sales	Dimension 2	
Hestia Type	5	5 Drawers	175.00	No	
Front Color	06	Pale Gold	0.00	Yes	
Handle	01	Handle No. 1	2.00	No	
Height Variants (cm)	090	90 cm	40.00	No	
→ Width Variants (cm)	090	90 cm	40.00	No	

In the Pictures above you see a drawing of a Cabinet. In this case it has five Drawers. In the **VarDim Order** next to it, you see that we have chosen a **Front Color of Pale Gold**.

It is possible to have for some of the Drawers another **Front Color**. You can see that because the **Value** in the column **Dimension 2** is Yes.

Edit - VarDim Orders					
Actions Related					
VarDim Orders 2. Dimension					
Groupings Show VarDim Master Formula Processing					
Description	Value	Name	Adjustment Amount Sales	Dimension 2	
Hestia Type		Drawers	175.00	No	
→ Front Color	06	Pale Gold	0.00	Yes	
Handle	01	Handle No. 1	2.00	No	
Height Variants (cm)	090	90 cm	40.00	No	
Width Variants (cm)	090	90 cm	40.00	No	

You can enter the color per **Position** (in this case Drawers) by clicking on Yes in the column **Dimension 2** or by clicking **Related, VarDim Orders, 2. Dimension**.

Then the **VarDim Order Multiple Dimensions** opens for the **Front Color**. In the table you see all the possible **Positions** of this Cabinet including the 5 Drawers. (As you can see it is also possible for this Drawer to have a configuration including a Door.) In this example we change the front colors of **2nd Drawer** and the **4th Drawer** in *Capri* and *Clementine* respectively.

Edit - VarDim Orders Multiple Dimensions - COL_FRONT

Manage | More options

Position 1 ↑	Position Name	Value	Name	Dimension 3
DOOR	Door	06	Pale Gold	No
DRAW1	Top Drawer	06	Pale Gold	No
DRAW2	2nd Drawer	02	Capri	No
DRAW3	3rd Drawer	06	Pale Gold	No
→ DRAW4	4th Drawer	03	Clementine	No
DRAW5	5th Drawer	06	Pale Gold	No

In this page you can also see that there is the possibility of setting up a next level per **Position**. This is the **3rd Configuration Dimension**. However, in the example above the Column **Dimension 3** has the Value *No* everywhere. So, no **3rd Dimension** has been setup.

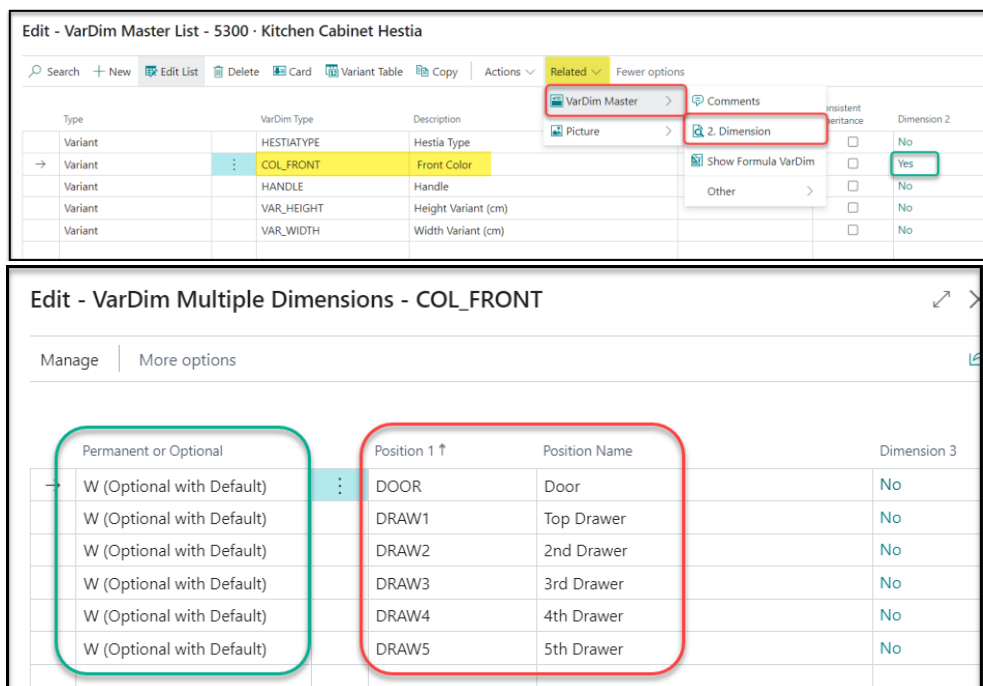
This should also have repercussions for the **Component Lines** in the **Production Order**. For this example, you see that every single drawer has the color *Pale Gold* except **Drawer 2** and **Drawer 4**.

Edit - Production Order - PO000019 · 5300 · Kitchen Cabinet Hestia							
Manage Finish Job Card... Release Prod. Order Archive Order Check Availability Update Unit Cost Item Tracking Lines Inventory Profile Page							
Lines	Manage	Line	VarDim	Related Order No.	Functions	Fewer options	
Position 1	Part Item No.	Type	No.	Description	Description 2	Quantity per	Unit of Measure Code
	BACK	Item	M3330P090	Top Pieces Hestia (Pine)	Back Part,90 cm	1	PCS
	FRONT	Item	M3330F090	Top Pieces Hestia (Pine)	Front,90 cm	1	PCS
	DRAWER1	Item	M3355K106S...	Drawer Hestia	Kitchen Drawer (TOP),Pale Gold,10 cm,90 cm	1	PCS
	DRAWER2	Item	M3355K202...	Drawer Hestia	Kitchen Drawer (2),Capri,20 cm,90 cm	1	PCS
	DRAWER3	Item	M3355K306...	Drawer Hestia	Kitchen Drawer (3),Pale Gold,20 cm,90 cm	1	PCS
	DRAWER4	Item	M3355K403...	Drawer Hestia	Kitchen Drawer (4),Clementine,20 cm,90 cm	1	PCS
	DRAWER5	Item	M3355K506...	Drawer Hestia	Kitchen Drawer (5),Pale Gold,20 cm,90 cm	1	PCS
	FRONT	Item	M337501	Cabinet Handle	Handle No. 1	5	PCS
	BOTTOM	Item	M3395	Leveling Leg Kitchen Cabinet		4	PCS
		Operation	300050	Mount		40	MIN

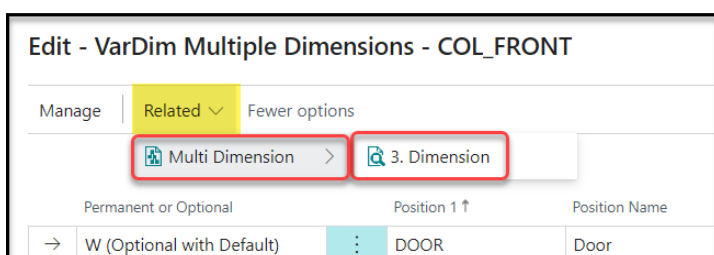
In order to work with 2nd and or 3rd Dimension, the following settings have to be made:

- In the **VarDim Master List** of a product select the appropriate **VarDim Type**.
- Go to the **2nd Dimension** and enter all the **Positions**.
- Make sure that you change the **Permanent or Option** Field from *Permanent* into *W(Optional with Default)*.

This setting makes sure that during the configuration the initial **Value** will be inherited to the **2nd Dimension** Level and also that the Value can be changed.



For setting up the **3rd Dimension**, in the **VarDim Multiple Dimension** page go to **Related, Multi Dimension, 3. Dimension**. In the page that opens, you can enter the 3rd Dimension **Positions** the same way as for the 2nd Dimension.



As stated above, in case of multi-dimensional configuration the **Formulas** on the BOM Line should not refer to the Values in the **VarDim Order**, but to the Values on the Dimension level. When in a **Formula Line**, the **Global Variable** for the 2nd Dimension is: **VarDim Type[Position 2nd Dimension]**. The Global Variable referring to the 3rd Dimension is: **VarDim Type[Position 2nd Dimension, Position 3rd Dimension]**.

In the example below you can see the Formula Lines of the 2nd Drawer. The second **Formula Line** states that the Front Color (VarDim Type *COL_FRONT*) of the second Drawer (Position *DRAW2*) should be placed in the second Variant (Global Variable *POL_VAR2*) of the Product in the Component Line (2nd Drawer)

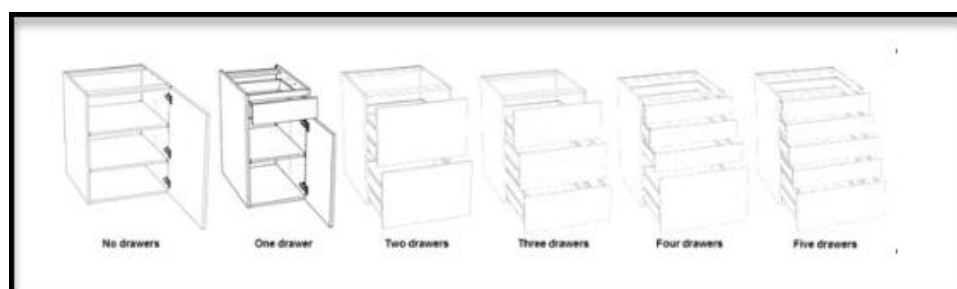
Formula Lines Subpage									
Inactive	Action in Formula	Table ID	Expression	Result	Condition	Stop Condition	Stop with	OK	
→	☐ Text Replacement		*K2*	POL_VAR1			Result	☒	
	☐ Calculation		COL_FRONT[DRAW2]	POL_VAR2			Result	☒	
	☐ Search	HESTIA_DRAW	HESTIATYPE,VAR_HEIGHT,POL_VAR1	POL_VAR3			Result	☒	
	☐ Calculation		VAR_WIDTH	POL_VAR4			Result	☒	
	☐ Search	HESTIA_DRAW	HESTIATYPE,VAR_HEIGHT,POL_VAR1	POL_QTY			Result	☒	

CONFIGURATION MODULAR PRODUCTS

Imagine that you have to configure a Kitchen or a modular Sofa. These types of Products consist of Components that have to be configured individually, but also have a lot in common.

For instance, the Sofa components are all made out of the same Wood and have the same Upholstery Material. However, the shape can be different: Armrest(s) or not, Back, or not, Seat Width, Corner Piece, etc.

Kitchen Cabinets, however, have the same Front Color, same Handles, etc. However, the Width could be different and also the number of Drawers. The Height could be the same, if for instance the Cabinets need to be placed under a sink.



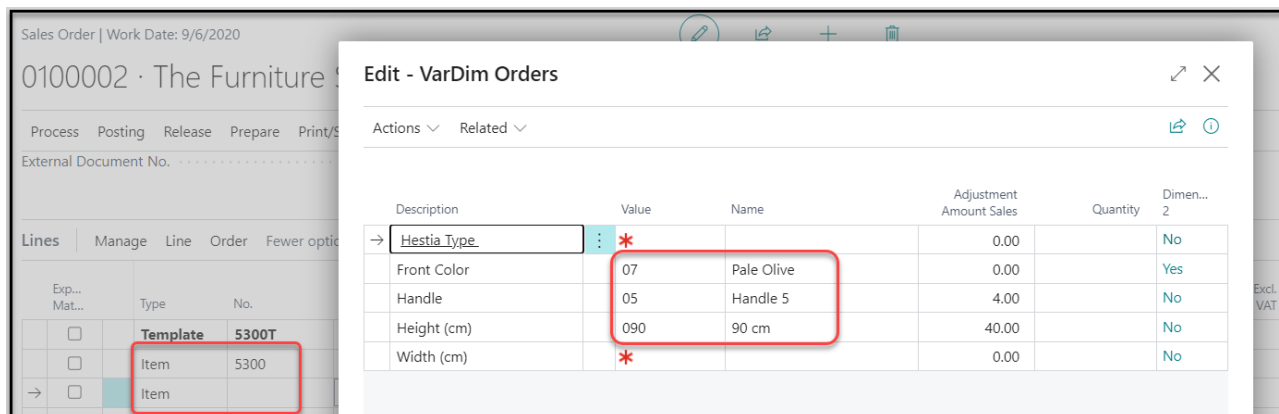
In TRIMIT there is the possibility to use a **Configuration Template** that can be used when entering the different modules (Items) on the **Sales Order**. In order to do so, choose *Template* in the field **Type** on the **Sales Order Line**. In the field **No.** you choose the appropriate **Template (Master No.)**. In the VarDim Order you will enter the Values of the **VarDim Types** that the configurable Products to come have in common.

Sales Order
Work Date: 9/6/2020
0100002 · The Furniture Shop UK
Process Posting Release Prepare Print/Send Request Approval Order Actions Related Fewer options
External Document No.

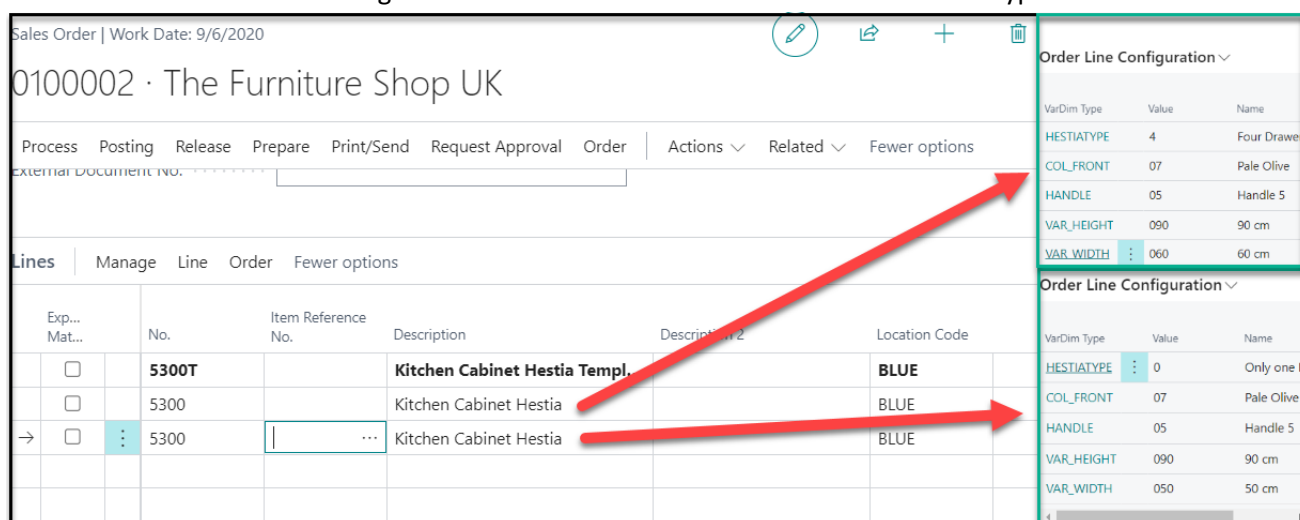
Lines Manage Line Order Fewer options
Exp. Mat. Type No. Item Reference Description Description 2
→ ☐ Template
5300T Kitchen Cabinet Hestia Template

Edit - VarDim Orders
Actions Related
Description Value Name Adjustment Amount Sales
Front Color 07 Pale Olive 0.00
Handle 05 Handle 5 0.00
→ Height Variant (cm) 090 90 cm 0.00
Width Variant (cm) * 0.00

From now on every Item to be configured, will get as default the **Values** of the VarDim Types that they have in common. Please take into consideration that this applies on every **Master** from which you configure from now on. It ends when a new **Template** is entered.



The advantage is that from now on you only have to enter the VarDim Types that are unique for the chosen **Module**. A Module can be a single Master or a series of Masters that have VarDim Types in common.



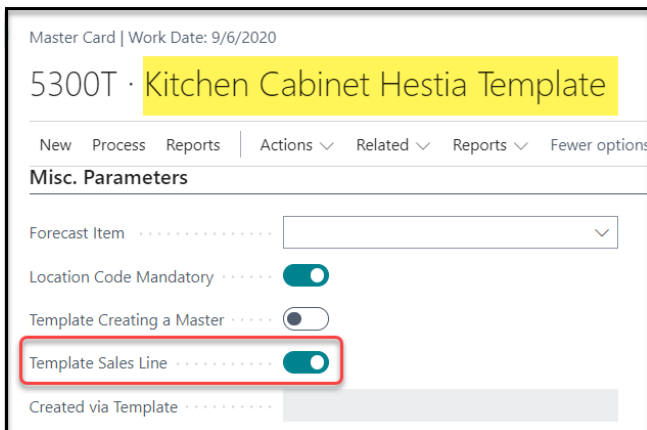
NOTE

The prefilled **Values** are defaults. It is always possible to change them during the configuration, if required. For instance: one of the Kitchen Cabinets come with a different Color than *Pale Olive*.

What if the Customer changes his minds and wants to have another **Handle**? Just change the **Value** on the **Template** Line and all the Item Lines underneath will be updated. That is, as long as the **Value** has not become *Permanent* after the initial configuration is done.

A Configuration **Template** is created as a Master, but then in a simplified form. The only information that is required:

- **Master No.**
- **VarDim Master** (List) with the appropriate VarDim Types
- **Description**
- **Base Unit of Measure + Posting Groups**
- **Template Sales Line: Yes**



Master Card | Work Date: 9/6/2020

5300T · Kitchen Cabinet Hestia Template

New Process Reports | Actions ▾ Related ▾ Reports ▾ Fewer options

Misc. Parameters

Forecast Item ▾

Location Code Mandatory ☒

Template Creating a Master ☐

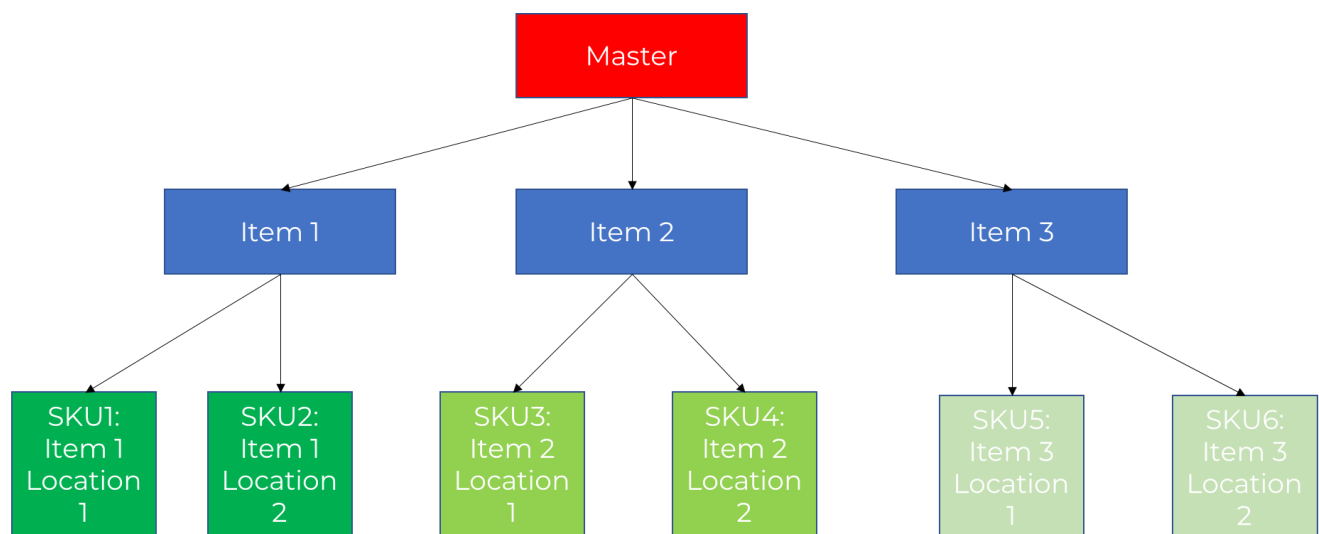
Template Sales Line ☒

Created via Template

STOCKKEEPING UNITS

INTRODUCTION

In the previous chapters we have discussed the Master/Item structure, where the **Master** is the level above the **Item**. However, for planning purposes BC has also developed a feature called **Stockkeeping Unit** (in short **SKU**). The SKU is a level below the Item level, and you can see it as an **Item Card** per **Location**. In the **SKU Card** you can manage all kinds of parameters that are different from the Item Card. Because a SKU Card is Location specific, it concerns mostly Stock Parameters.



NOTE

In the Fashion Industry the **SKU** is also defined as the combination of **Style/Color/Size**. This is in TRIMIT the **Item Level**. So, if Fashion companies talk about SKUs, please find out, if there is a logistic component in here. For instance: automatic replenishment stores from Central Warehouse via Transfer Orders. If this is not the case, the Fashion SKU is just an Item.

The SKU feature as a logistic entity is standard BC functionality. This won't be described in this document. However, in Standard BC you create the SKUs from the Item Card. Then you go to the individual SKUs to change the Values of the fields that are inherited from the Item Card.

In TRIMIT that is undoable. Because potentially the number of SKUs can explode (= all possible Variations x number of Locations). Besides that, you like to maintain all data on the **Master Card** as much as possible.

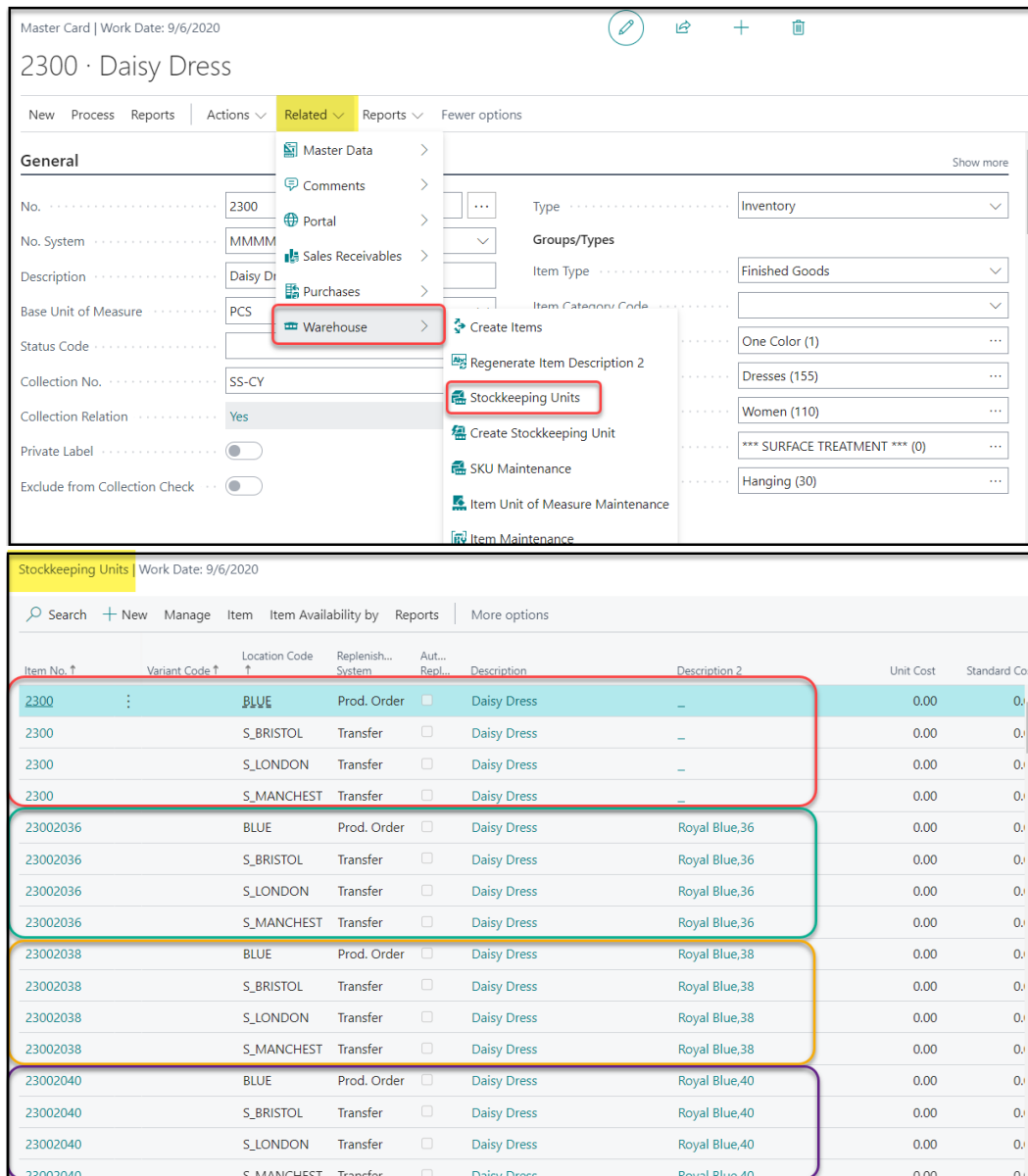
In the paragraphs below, we will mention some of the features that TRIMIT has for the creation and the maintenance of the SKU Cards. In the White Paper **TRIMIT Item and SKU Maintenance** we elaborate more specifically on this topic.

SKU CARD LIST

You can find a list of **SKUs** of all **Items** created from the **Master Card** via **Related, Warehouse, Stockkeeping Units**.

You can see in the example below, that for every Item of this Master SKUs are created for four different **Locations**: **BLUE**, **Bristol**, **London**, and **Manchester** (in green, yellow, and purple frames respectively).

Note that the system also creates a SKU for the **Master Item** (red frame). These specific **Master SKUs** are used for setting up the update possibilities. This is explained later in this chapter.



The screenshot shows the TRIMIT Master Card for '2300 · Daisy Dress' and the Stockkeeping Units list.

Master Card Details:

- Work Date: 9/6/2020
- Item No.: 2300
- No. System: MMMM
- Description: Daisy Dress
- Base Unit of Measure: PCS
- Status Code:
- Collection No.: SS-CY
- Collection Relation: Yes
- Private Label:
- Exclude from Collection Check:

Related Actions:

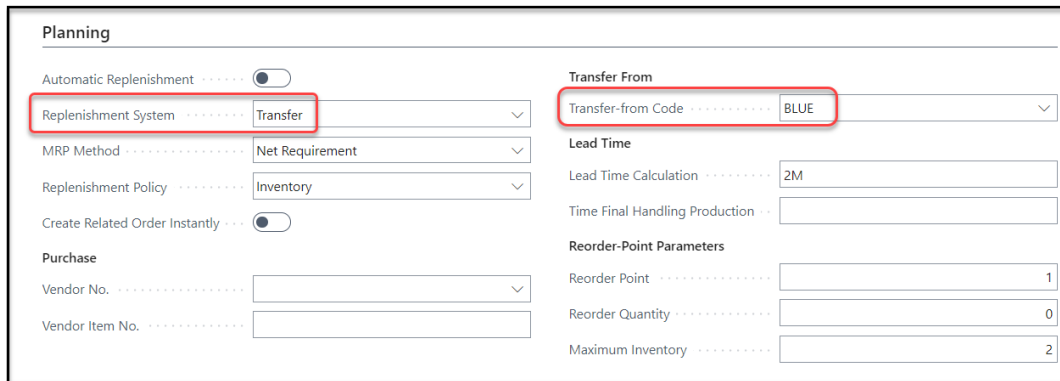
- Master Data
- Comments
- Portal
- Sales Receivables
- Purchases
- Warehouse
- Create Items
- Regenerate Item Description 2
- Stockkeeping Units
- Create Stockkeeping Unit
- SKU Maintenance
- Item Unit of Measure Maintenance
- Item Maintenance

Stockkeeping Units List:

Item No.	Variant Code	Location Code	Replenish...	Aut...	Description	Description 2	Unit Cost	Standard Cost
2300		BLUE	Prod. Order		Daisy Dress		0.00	0.00
2300		S_BRISTOL	Transfer		Daisy Dress		0.00	0.00
2300		S_LONDON	Transfer		Daisy Dress		0.00	0.00
2300		S_MANCHEST	Transfer		Daisy Dress		0.00	0.00
23002036		BLUE	Prod. Order		Daisy Dress	Royal Blue,36	0.00	0.00
23002036		S_BRISTOL	Transfer		Daisy Dress	Royal Blue,36	0.00	0.00
23002036		S_LONDON	Transfer		Daisy Dress	Royal Blue,36	0.00	0.00
23002036		S_MANCHEST	Transfer		Daisy Dress	Royal Blue,36	0.00	0.00
23002038		BLUE	Prod. Order		Daisy Dress	Royal Blue,38	0.00	0.00
23002038		S_BRISTOL	Transfer		Daisy Dress	Royal Blue,38	0.00	0.00
23002038		S_LONDON	Transfer		Daisy Dress	Royal Blue,38	0.00	0.00
23002038		S_MANCHEST	Transfer		Daisy Dress	Royal Blue,38	0.00	0.00
23002040		BLUE	Prod. Order		Daisy Dress	Royal Blue,40	0.00	0.00
23002040		S_BRISTOL	Transfer		Daisy Dress	Royal Blue,40	0.00	0.00
23002040		S_LONDON	Transfer		Daisy Dress	Royal Blue,40	0.00	0.00
23002040		S_MANCHEST	Transfer		Daisy Dress	Royal Blue,40	0.00	0.00

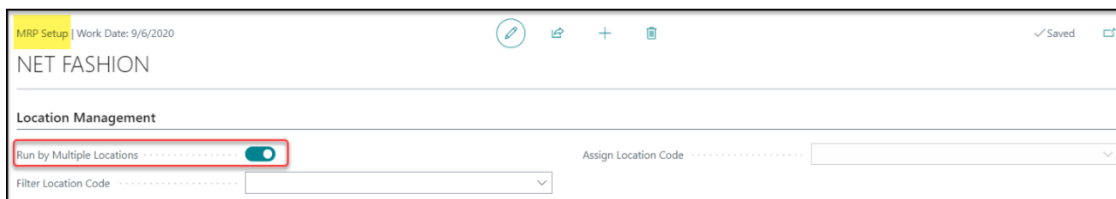
SKU CARD

From the List of SKUs, you can navigate to a **SKU Card**. All the Fields in the FastTab **General** and the FastTab **Invoicing** are standard BC. However, in the FastTab **Planning** you can find the fields that are TRIMIT. Almost all of them can be found on the Master Card, so they won't be discussed here. However, there are two exceptions: **Replenishment System** and **Transfer-from Code**. These are discussed below.



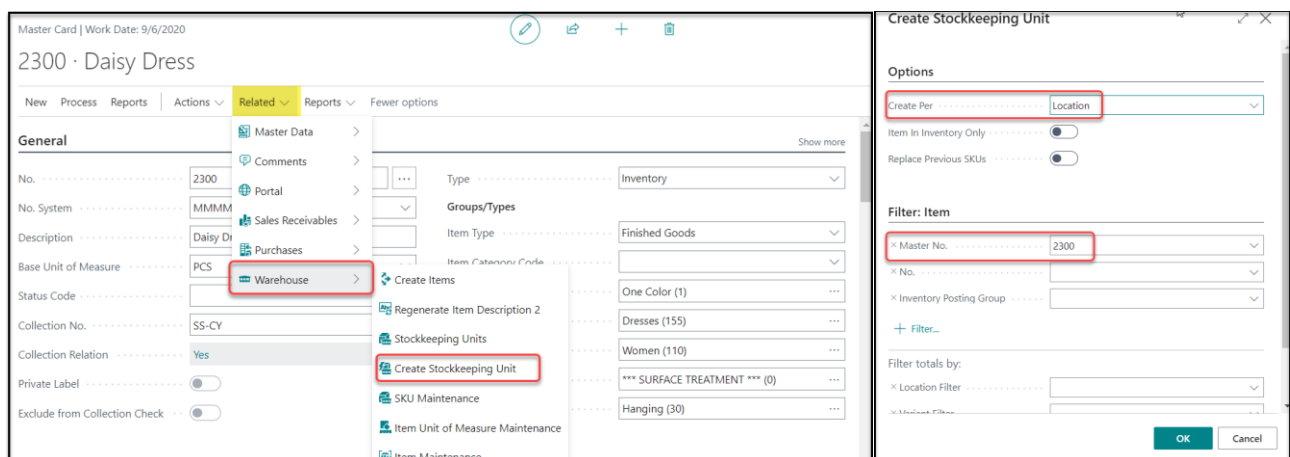
The field **Replenishment System** is a field that can also be found on the **Master** and the **Item Card**. However, on the **SKU Card** it has an extra option: *Transfer*. The reason is that working with SKUs the system is enabled to create planning lines (**MRP Actions**) for **Transfer Orders**. In that case you also need to tell from which **Location** to transfer. Therefore, the standard BC field **Transfer-from Code** is also on the SKU Card, but you cannot find it on the Master or Item Card.

However, if you want to plan **Transfer Orders** in the MRP, the **MRP Setup** should have the parameter **Run by Multiple Locations** set on Yes.

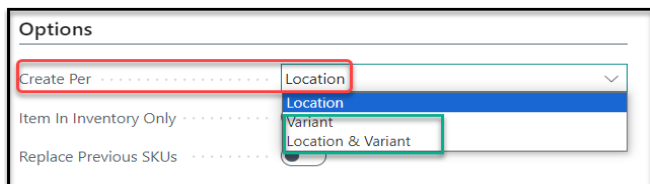


CREATE SKUS

In standard BC the **SKUs** are created from the **Item Card**. In TRIMIT we have made this possible from the **Master Card**. This function can be found via **Related, Warehouse, Create Stockkeeping Unit**. After doing so, the request page for creating SKUs opens called **Create Stockkeeping Unit**. This is also a standard BC Function that TRIMIT has extended, so that you can also set a filter on **Master Nos.**



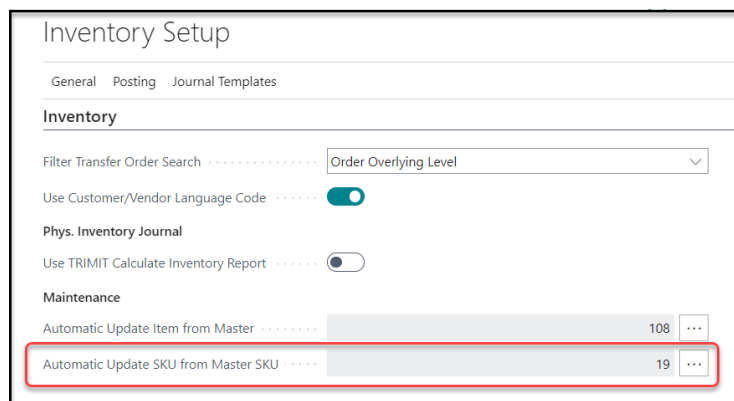
Please note the following: in standard BC the SKU Cards can not only be created by Location, but by **Variant** as well. This is a field that we do not use in TRIMIT, so the options that include the creation of SKUs by Variants are obsolete. So, in TRIMIT: choose in the **Create Per** field only *Location*, which is the default Value.



UPDATE SKU CARDS

In previous chapters is discussed, if fields on the **Item Card** are updated, when you change the Value on the **Master Card**. TRIMIT has made something comparable, but then for updating the SKU Cards. For this purpose, the **Master SKUs** are used. These are the SKU Cards in the red frame described in the first paragraph of this chapter. This enables the user to make the changes for all the SKUs per **Location**.

In the **Inventory Setup** you define what Action should be taken if the Value in the **Master SKU** changes. If you click on the **AssistEdit** button of the field **Automatic Update SKU from Master SKU**, a table opens in which you can establish for every editable field on the SKU Card, whether it should be updated or not including a confirmation dialogue. This is comparable to the field **Automatic Update Item from Master** as described previously in this document.



Edit - Maintenance Setup			Automatic Update
Table Name	Field Name		
→ Stockkeeping Unit (5700)	Shelf No. (12)		Ask (Default Yes)
Stockkeeping Unit (5700)	Vendor No. (31)		Yes
Stockkeeping Unit (5700)	Vendor Item No. (32)		Yes
Stockkeeping Unit (5700)	Lead Time Calculation (33)		Yes
Stockkeeping Unit (5700)	Reorder Point (34)		Ask (Default Yes)
Stockkeeping Unit (5700)	Maximum Inventory (35)		Ask (Default Yes)
Stockkeeping Unit (5700)	Reorder Quantity (36)		Ask (Default Yes)
Stockkeeping Unit (5700)	Safety Lead Time (5415)		Ask (Default Yes)
Stockkeeping Unit (5700)	Replenishment System (5419)		Ask (Default Yes)
Stockkeeping Unit (5700)	Transfer-from Code (5700)		Ask (Default Yes)
Stockkeeping Unit (5700)	Special Equipment Code (7301)		Yes
Stockkeeping Unit (5700)	Put-away Template Code (7302)		Yes
Stockkeeping Unit (5700)	Put-away Unit of Measure Code (7307)		Yes
Stockkeeping Unit (5700)	Phys Invt Counting Period Code (7380)		Yes
Stockkeeping Unit (5700)	Use Cross-Docking (7384)		Yes

SKU MAINTENANCE

For the maintenance of the **Item Cards**, TRIMIT has the feature **Item Maintenance**. This feature enables the user to change in a table that represents a cross section of the Item Cards belonging to a specific **Master**. This is described in a previous chapter.

If there are **SKUs** created on Items belonging to a Master, it would also be useful to maintain them via the Master Card. Therefore, TRIMIT has created the feature **SKU Maintenance**. This can be found on the Master Card via **Related, Warehouse, SKU Maintenance**.

The **Maintenance** Table opens, which is a cross section of the **SKU Cards** belonging to the Items created from the same Master.

Master Card | Work Date: 9/6/2020

2300 · Daisy Dress

New Process Reports Actions Related Reports Fewer options

General

No. 2300

No. System MMMM

Description Daisy Dr

Base Unit of Measure PCS

Status Code

Collection No. SS-CY

Collection Relation Yes

Private Label

Exclude from Collection Check

Master Data

Comments

Portal

Sales Receivables

Purchases

Warehouse

Create Items

Regenerate Item Description 2

Stockkeeping Units

Create Stockkeeping Unit

SKU Maintenance

Item Unit of Measure Maintenance

Type Inventory

Groups/Types

Item Type Finished Goods

Item Category Code

One Color (1)

Dresses (155)

Women (110)

*** SURFACE TREATMENT *** (0)

Hanging (30)

Edit - Maintenance

Expand All Collapse All Previous Set Next Set Remove Filters on Variants Based on Setup Delete View 1 View 2 View 3 Actions Related Fewer options

Exp... Mas...	Type	Location Code	Item No.	Description	Description 2	Item BOM [I=No 1=Yes]	Master BOM [I=No 1=Yes]	Assortment [I=No 1=Yes]	Variant 1	Variant 2	Reorder Point	Maximum Inventory	Replenishm... System
☐	Item	BLUE	23007540	Daisy Dress	Magenta,40	0	1	0	75	40	2	5	Prod. Order
☐	Item	BLUE	23007542	Daisy Dress	Magenta,42	0	1	0	75	42	2	5	Prod. Order
☐	Item	BLUE	23007544	Daisy Dress	Magenta,44	0	1	0	75	44	2	5	Prod. Order
☐	Item	BLUE	23007546	Daisy Dress	Magenta,46	0	1	0	75	46	2	5	Prod. Order
☐	Item	BLUE	23007548	Daisy Dress	Magenta,48	0	1	0	75	48	2	5	Prod. Order
☐	Item	BLUE	23007550	Daisy Dress	Magenta,50	0	1	0	75	50	2	5	Prod. Order
☐	Item	BLUE	23007552	Daisy Dress	Magenta,52	0	1	0	75	52	2	5	Prod. Order
☒	Master	S_BRISTOL	2300	Daisy Dress	-	0	1	[FILTER]	[FILTER]	[FILTER]	1	2	Transfer
☐	Item	S_BRISTOL	23002036	Daisy Dress	Royal Blue,36	0	1	0	20	36	1	2	Transfer
☐	Item	S_BRISTOL	23002038	Daisy Dress	Royal Blue,38	0	1	0	20	38	1	2	Transfer
☐	Item	S_BRISTOL	23002040	Daisy Dress	Royal Blue,40	0	1	0	20	40	1	2	Transfer
☐	Item	S_BRISTOL	23002042	Daisy Dress	Royal Blue,42	0	1	0	20	42	1	2	Transfer
☐	Item	S_BRISTOL	23002044	Daisy Dress	Royal Blue,44	0	1	0	20	44	1	2	Transfer

In the **Maintenance** table you see on the **Y-axis** all the created SKUs. On the **X-Axis** you can see all the editable fields of the SKU Cards. You can define different **Views** representing a selection of these fields. This feature is discussed more in details in White Paper **TRIMIT Item and SKU Maintenance**.

IMPLEMENTATION TIPS & TRICKS

INTRODUCTION

In this chapter a simple introduction to how to get started on making configurable Items is discussed. We also like to give you some basic hints of what the best practices are in building up Masters.

THE PREPARATION PROCESS

Working with configurable Items is different than working with “flat Items”, so you have to put a lot more effort in analyzing the Item Structure before starting up the creating Masters and Items. In this phase it is important that the Customer participates with the right people, and they are committed to the process.

Here are some Keywords for this analysis phase:

- How do they sell the Products?
- How do they produce the Products (Inventory, Make-to-Order, or both?)
- Analyze the Item Structure and Groups if possible.
Monitor Variants/Dimensions in the Structure and inheritance downwards (Visualize the Structure to make sure the relations are correct).
- Evaluate if parts of the existing Structure can be used.
- Try not to build in future limitations in the system. For instance: you should always consider whether a Variant Option table could be expanded in the future and what the consequences will be on the number of digits of the Variant Values and if these new options should be included or excluded from the configuration initially.

After the analysis, setup initial rules for the Master Numbers for the following groups

- Finished goods (Items that are sold generally)
- Semi-Finished goods (Sub-assemblies)
- Raw Materials (Typically the purchased Items)
Evaluate the number Structure to ensure to avoid “Collision” of Item numbers which can cause that you have to rebuild Structure later on.

Example:

A Master with number 29 and a No. System *MMAA* with the VarDim Variant options 01, 02, 03 creates the following Items numbers in the Item table:

29 (Master-Item)
2901 (Item)
2902 (Item)
2903 (Item)

Please note: If you afterwards create a Master with Number 290 and No. System *MMMA* with the VarDim Variant options 1, 2, 3 you will cause a collision with the Items numbers already created.

THE MASTER BUILD UP:

There is not a right or a wrong way of creating the Structure and you can reach the goal in many different ways, depending on your own creativity and experience/knowledge of using the system optimally.

Working with complex Structures can often have the consequence that you lose the general overview which can be a problem if you have to search for errors. So, the basic rule in the build process are as follows:

1. Create the necessary **VarDim Types** and VarDim Variant Options for the Master
2. Create the Finished Goods **Masters** and their VarDim Master
3. Create One Item from the Finished Goods Master.
4. Create **BOM** incl. Formulas (1 line at a time, if Formulas are connected to the Line)
Create the underlying Masters and their VarDim Master as you work down in the structure.
5. Generate Temporary BOM, to ensure that the BOM is correct.
6. Repeat 4 and 5 until the Master BOMs are completed on all levels.

Always Remember: Create BOM Line per Line and check (this makes troubleshooting MUCH easier)

It is a good idea to pick out some typical Products (Masters), construct the Structure, and let the Customer use this for building up his own Products. Remember it is important that the Customer is making the Structure (of course with help in the initial phases) to be able to maintain and create new Products in future.

EXAMPLE OF AN ANALYSIS OF AN ITEM:

The customer sells and produces a plastic Chair in 3 colors *Red, Blue* and *Yellow*. He produces to Inventory and sells from Inventory. The Materials used are 6 kg Plastic Granules in the same color as the finished Chair and a 10 minutes molding Operation.

Conclusion:

- There is only 1 variant: Color with the VarDim Variant Options *Red, Blue* and *Yellow*.
- The variant Color has to be a part of the Item number.
- You need two Masters (1 for the Chair and 1 for the Granules)

How to build up:

You decide that the Master number for Chair is *10*.

You decide that the VarDim Type for color is Called *COLOR* and that the VarDim Variant Options are the Following:

01 = Red

02 = Blue

03 = Yellow

The VarDim Type *COLOR* is marked as *Variant 1* in **VarDim Type Placement in Item number**.

The **No. System** for Master *10* is then *MMAA* which gives the following Finished Goods Item Numbers:

1001 Chair, Red

1002 Chair, Blue

1003 Chair, Yellow

You decide that the Master Number for Plastic Granules is *999*

You use the same VarDim Type for *COLOR* as the Master *10* for the Chair.

You set the **VarDim Type COLOR** for Master 999 to **Constant inheritance**, so you always inherit the Color on the Granules from the Color from the Chair.

The VarDim Type **COLOR** is marked as *Variant 1* in **VarDim Type Placement in Item Number**.

Master **No. System** for 999 is **MMMAA**.

You create one **Work Center** called *Molding department* and one **Operation** called *Molding*.

The **BOM** of the Master will consist of 2 Lines: one with Item 999 and one with the Operation *Molding*.

Visually it will look as below:

Structure for Master 10:

Master					
Master No	Description	No. system	Master BOM List		
10	Panton Chair	MMMAA	item operation	999 0100	6 kg 10 min. Plastic Moulding

vardim master	
Vardim type	Vardim variant Options
Colour	01 Red 02 Yellow 03 Blue

Item No	Description	BOM List temporary	
1001	Panton Chair Red	item operation 99901 0100	Red plastic Moulding
1002	Panton Chair Eyllow Yellow	item operation 99902 0100	Yellow plastic Moulding
1003	panton Chair Blue	item operation 99903 0100	Blue plastic Moulding

Structure for Master 999:

Master No	Description	No. system
999	Plastic	MMMAA

vardim master	
Vardim type	Vardim variant Options
Colour	01 Red 02 Yellow 03 Blue

Item No	Description
99901	Plastic Red
99902	Plastic Yellow
99903	Plastic Blue

EXAMPLES OF INVENTORY ITEMS

Inventory Items can be held on stock and are sold to many Customers in the same configuration.

(Many to one relation Sales Order Line → Purchase/Production Order)

Specific for these Items is that the Variants are part of the Master **No. System** and therefore part of the **Item No.**

Standard with no Master attached (Standard BC):

Sales Line Input: **Type** = Item
No. = Item No.

All Items have to be created via Item table.

Standard with Master attached:

Sales Line Input: **Type** = *Item*
 No. = *Item No.*

All Items have to be created via Item table or via Master.

Up to 9 Variants and 3 Dimensions is possible as part of Item No.

Configured via Master:

Sales Line Input: **Type** = *Item*
 No. = *Master No.*

VarDim Order is automatically called:

Questionnaire (VarDim Order values) is filled in.

On exit: **Item No.** = **Master No.** + Fixed **Variant Choices**

If not existing, the **Item No.** is created inheriting Basic Setup from Master.

Master No. on Sales Line is overwritten with **Item No.**

Up to 9 Variants and 3 Dimensions is possible as part of Item No.

Configured via Master and Matrix attached:

Sales Line Input: **Type** = *Matrix*
 No. = *Master No.*

Matrix Order is automatically called:

Quantity per Matrix cell is filled in.

On exit: **Item No.** = **Master No.** + Matrix **Vertical Value** + Matrix **Horizontal Value**.

If not existing, the **Item Nos.** are created inheriting Basic Setup from Master.

Master No. is not overwritten, but new **Sales Lines** are created below the Line of **Type**

Matrix with **Type Item** and relation to this Matrix Line.

Up to 8 Variants is possible as part of Matrix **Vertical Value**, and 1 Variant as part of the **Horizontal value**.

ORDER ITEMS

Order Items are never mended to be on Stock and are made to Customers specification.

(One to one relation Sales Order Line → Purchase/Production Order).

Specific for these Items is that the Variants are not part of the Master **No. System** and therefore only one Item exists with a generic **Item No.** (with the exception of Masters with a Matrix attached where the Variants that define the Matrix has to be part of the Item number). This also means that the Master field **Replenishment Policy** has to set to *Order*. The Master field **Create Related Order Instantly** controls if the Related Order has to be created in connection with the Sales Order Line or via batch/MRP run.

Configured via Master, Optional Variants/Dimensions

Sales Line Input: **Type** = *Item*
 No. = *Master No.*

VarDim Order is automatically called:

Questionnaire (VarDim Order values) is filled in.

On exit: Related Production Order based on the VarDim Order Values is created. (Initially or by batch depending on setup on the Master/Item Card).

Unlimited Variants/Dimensions are possible as Optional Values with or without default Value.

Configured via Master, with combination of Fixed/Optional Variants/Dimensions

Sales Line Input: **Type** = *Item*
 No. = *Master No.*

VarDim Order is automatically called:

Questionnaire (VarDim Order values) is filled in for the fixed and optional Variants.

On exit: **Item No.** = **Master No.** + Fixed Variant Choices

If not existing, the **Item No.** is created inheriting Basic Setup from Master.

Master No. on Sales Line is overwritten with **Item No.**

Related Production Order based on the VarDim Order Values fixed + Optional are created.
(Initially or by batch depending on setup on the Master/Item Card).

Up to 9 Variants and 3 Dimensions is possible as part of Item No.

Unlimited Variants/Dimensions are possible as Optional Values with or without default Value.

Configured via Master with Matrix attached with Optional Variants/Dimensions

Sales Line Input: **Type** = *Matrix*
 No. = *Master No.*

Matrix Order is automatically called:

Quantity per Matrix cell is filled in.

On exit: **Item No.** = **Master No.** + Matrix **Vertical** Value + Matrix **Horizontal** Value.

If not existing, the **Item No.** is created inheriting Basic Setup from Master.

Master No. is not overwritten, but new Sales Lines are created below the Lines of **Type Matrix** with **Type Item** and relation to this Matrix Line.

Hence the Optional Values has not been set and the VarDim Order has to be called on the Line of **Type Matrix**

Up to 8 Variants is possible as part of Matrix **Vertical** Value, and 1 Variant as part of the **Horizontal** value.