



# WHITE PAPER – TRIMIT ITEM ATTRIBUTES 2017

This document contains information about the NAV Item Attributes functionality that has been implemented as well in TRIMIT 2017

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# INTRODUCTION

In Microsoft Dynamics NAV 2017, Microsoft introduced the Item Attributes. TRIMIT created in the 2016 release something similar with the **Search Tags**.

We have decided to delete the **Search Tags** functionality again in TRIMIT 2017 and make use of the NAV Item Attributes instead.

Therefore, some additional functionality has been developed so we are able to connect our VarDim Types to a specific Item Attribute, and our VarDim Type Variants to the Options of an Item Attribute.

This White Paper describes how you now can make use of the **Item Attributes** within TRIMIT.

The functionality described is the functionality in **TRIMIT 2017 W1**

The pictures in this White Paper are based on the demo database for **TRIMIT 2017 W1** (based on Microsoft Dynamics NAV 2017) in the demo company **CRONUS TRIMIT W1 Ltd.** (based on CRONUS International Ltd. from Microsoft Dynamics NAV 2017).

# COMPONENTS

**TRIMIT** Item Attributes contains the following objects:

The codeunits **6037001**      ***Attributes Handling***

Besides this Codeunit, we have made changes in several objects related to the NAV Item Attributes because of our Masters:

|               |             |                                            |
|---------------|-------------|--------------------------------------------|
| The Tables:   | <b>7500</b> | <b><i>Item Attribute</i></b>               |
|               | <b>7501</b> | <b><i>Item Attribute Value</i></b>         |
|               | <b>7505</b> | <b><i>Item Attribute Value Mapping</i></b> |
| The Pages:    | <b>7504</b> | <b><i>Item Attribute Value List</i></b>    |
| The Codeunit: | <b>7500</b> | <b><i>Item Attribute Management</i></b>    |

We also made changed in our VarDim Types, VarDim Types Variant Options and Masters.

# SETUP

## ITEM ATTRIBUTES

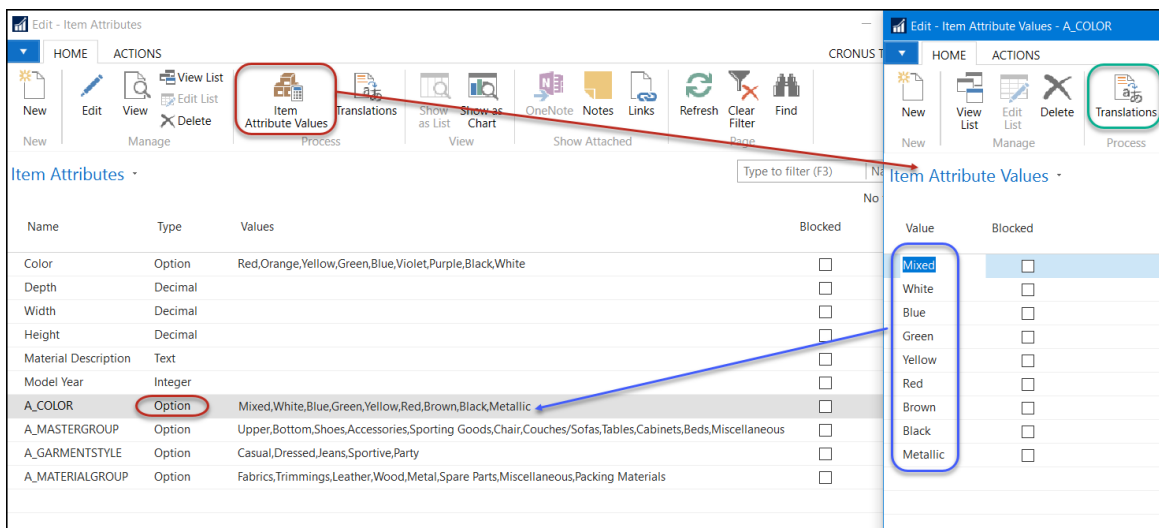
You need to create the **Item Attributes** first via **Departments/ /Sales & Marketing/Inventory & Pricing/Item Attributes**.

If you create an **Item Attribute** of **Type Option**, you could use it to connect it to the TRIMIT VarDim Types and TRIMIT VarDim Type Variant Options.

I.e. if we want to connect the colors of our color VarDim Types to the Item Attributes, we could create an **Item Attribute A\_COLOR** with **Type Option** and then via ribbon **Home**, click **Item Attribute Values** to create the Values. For every Value, you are also able to enter different Translations via ribbon **Home**, click **Translations**.

When leaving the page **Item Attribute Values**, all the entered options will then be shown in the field **Values** as a list.

You can follow this [link](#) to see the NAV Help regarding **Item Attributes**.



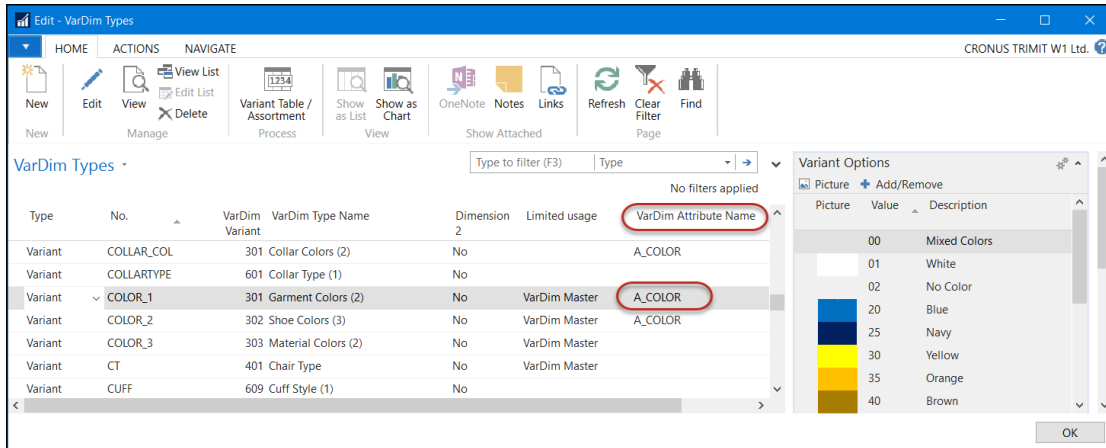
The screenshot displays two side-by-side windows from the TRIMIT application. The left window, titled 'Edit - Item Attributes', shows a table of item attributes. The 'A\_COLOR' attribute is selected, and its 'Type' is 'Option'. The 'Values' column for 'A\_COLOR' lists 'Mixed, White, Blue, Green, Yellow, Red, Brown, Black, Metallic'. The right window, titled 'Edit - Item Attribute Values - A\_COLOR', shows a list of values for this attribute. The 'Mixed' value is selected, and its 'Translations' are listed as 'Mixed', 'White', 'Blue', 'Green', 'Yellow', 'Red', 'Brown', 'Black', and 'Metallic'. Red and blue arrows indicate the workflow: from the 'Item Attribute Values' button in the ribbon of the left window to the 'Item Attribute Values' table in the right window, and then to the 'A\_COLOR' row in the left window's table.

| Name                 | Type    | Values                                                                                                          | Blocked                  |
|----------------------|---------|-----------------------------------------------------------------------------------------------------------------|--------------------------|
| Color                | Option  | Red, Orange, Yellow, Green, Blue, Violet, Purple, Black, White                                                  | <input type="checkbox"/> |
| Depth                | Decimal |                                                                                                                 | <input type="checkbox"/> |
| Width                | Decimal |                                                                                                                 | <input type="checkbox"/> |
| Height               | Decimal |                                                                                                                 | <input type="checkbox"/> |
| Material Description | Text    |                                                                                                                 | <input type="checkbox"/> |
| Model Year           | Integer |                                                                                                                 | <input type="checkbox"/> |
| A_COLOR              | Option  | Mixed, White, Blue, Green, Yellow, Red, Brown, Black, Metallic                                                  | <input type="checkbox"/> |
| A_MASTERGROUP        | Option  | Upper, Bottom, Shoes, Accessories, Sporting Goods, Chair, Couches/ Sofas, Tables, Cabinets, Beds, Miscellaneous | <input type="checkbox"/> |
| A_GARMENTSTYLE       | Option  | Casual, Dressed, Jeans, Sportive, Party                                                                         | <input type="checkbox"/> |
| A_MATERIALGROUP      | Option  | Fabrics, Trimmings, Leather, Wood, Metal, Spare Parts, Miscellaneous, Packing Materials                         | <input type="checkbox"/> |

| Value    | Blocked                  |
|----------|--------------------------|
| Mixed    | <input type="checkbox"/> |
| White    | <input type="checkbox"/> |
| Blue     | <input type="checkbox"/> |
| Green    | <input type="checkbox"/> |
| Yellow   | <input type="checkbox"/> |
| Red      | <input type="checkbox"/> |
| Brown    | <input type="checkbox"/> |
| Black    | <input type="checkbox"/> |
| Metallic | <input type="checkbox"/> |

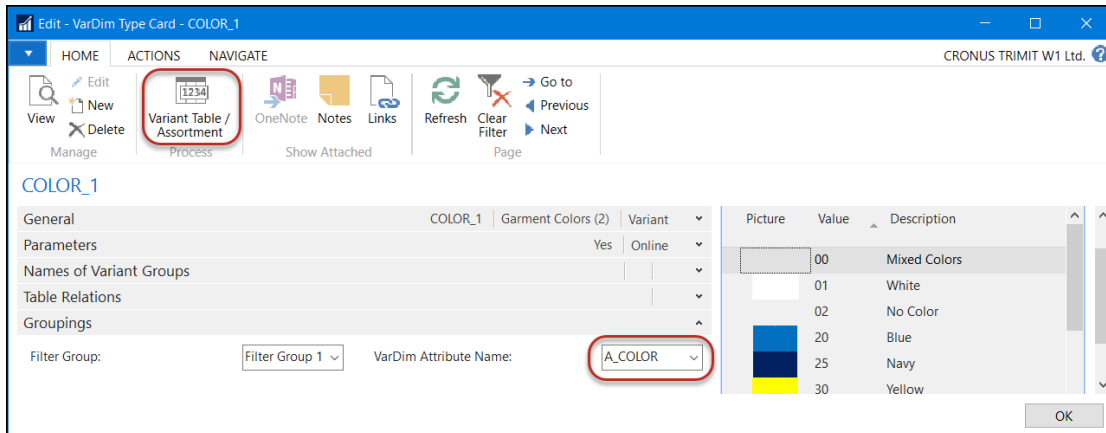
## VARDIM TYPES

In the **VarDim Type** (via *Departments/Warehouse/Product Design (PDM)/VarDim Types*, you can now enter the **VarDim Attribute Name** to connect your **VarDim Type** to an **Item Attribute**.



| Type    | No.        | VarDim Variant | VarDim Type Name    | Dimension 2 | Limited usage | VarDim Attribute Name |
|---------|------------|----------------|---------------------|-------------|---------------|-----------------------|
| Variant | COLLAR_COL | 301            | Collar Colors (2)   | No          |               | A_COLOR               |
| Variant | COLLARTYPE | 601            | Collar Type (1)     | No          |               |                       |
| Variant | COLOR_1    | 301            | Garment Colors (2)  | No          | VarDim Master | A_COLOR               |
| Variant | COLOR_2    | 302            | Shoe Colors (3)     | No          | VarDim Master | A_COLOR               |
| Variant | COLOR_3    | 303            | Material Colors (2) | No          | VarDim Master |                       |
| Variant | CT         | 401            | Chair Type          | No          | VarDim Master |                       |
| Variant | CUFF       | 609            | Cuff Style (1)      | No          |               |                       |

Alternatively, in the **VarDim Type** card:



| General                 | Parameters     | Names of Variant Groups | Table Relations | Groupings |
|-------------------------|----------------|-------------------------|-----------------|-----------|
| General                 | COLOR_1        | Garment Colors (2)      | Variant         |           |
| Parameters              | Yes            | Online                  |                 |           |
| Names of Variant Groups |                |                         |                 |           |
| Table Relations         |                |                         |                 |           |
| Groupings               |                |                         |                 |           |
| Filter Group:           | Filter Group 1 | VarDim Attribute Name:  | A_COLOR         |           |

# ASSIGNING ITEM ATTRIBUTES

After you have setup the **Attributes** and connected – is applicable – to the **VarDim Types** and **VarDim Type Variant Options** you are able to connect them to Masters and individual Items.

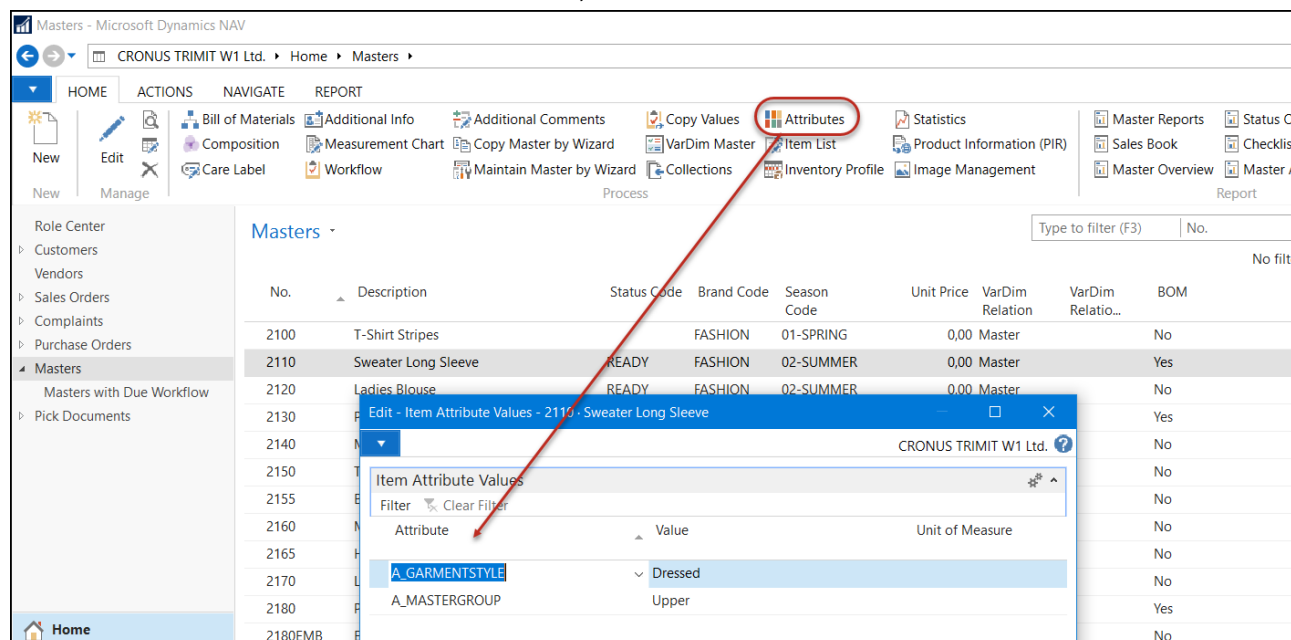
## TO MASTERS

In the **Master** List/Card, you can click on **Attributes** in the ribbon *Home* to connect the Master to the Item Attributes. First, you select the **Attribute** after which you can enter the **Value**.

For Item Attributes of **Type Option**, choose the **AssistEdit** button in the **Value** field to select an Item Attribute Value.

Keep in mind that if you enter the **Value** manually, it is important that you enter the Value exactly as it has been created.

I.e. Value *Dressed* cannot be entered as *dressed*; that will not work as a correct Filter.



## TO ITEMS

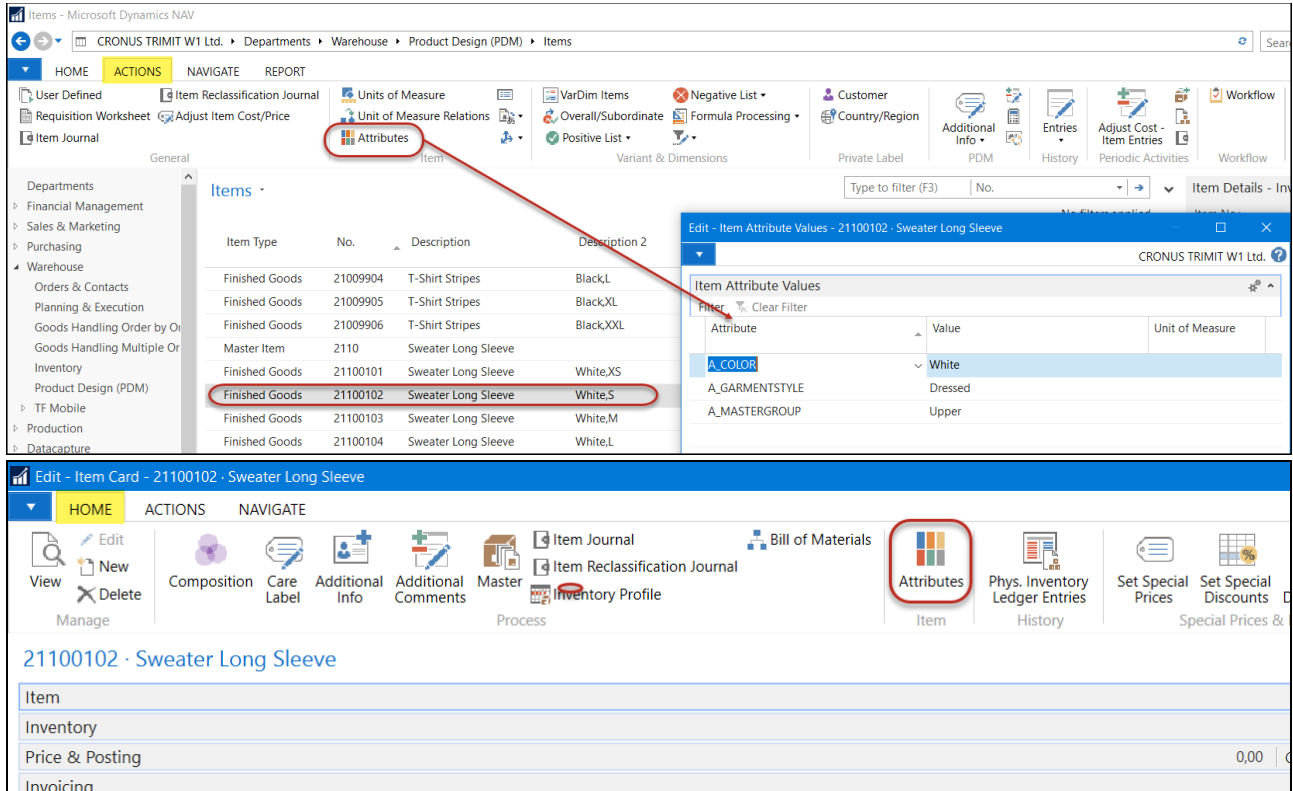
### VIA ITEM LIST/CARD

In the **Item** List, you can click on **Attributes** in the ribbon *Actions* to connect the Item to a specific Item Attribute. First, you select the **Attribute** after which you can enter the **Value**.

In the **Item** Card, you can click on **Attributes** in the ribbon *Home*.

If you already connected **Item Attributes** to the Master, it is automatically copied to all the related individual Items as well.

For Item Attributes of **Type Option**, choose the **AssistEdit** button in the **Value** field to select an Item Attribute Value.



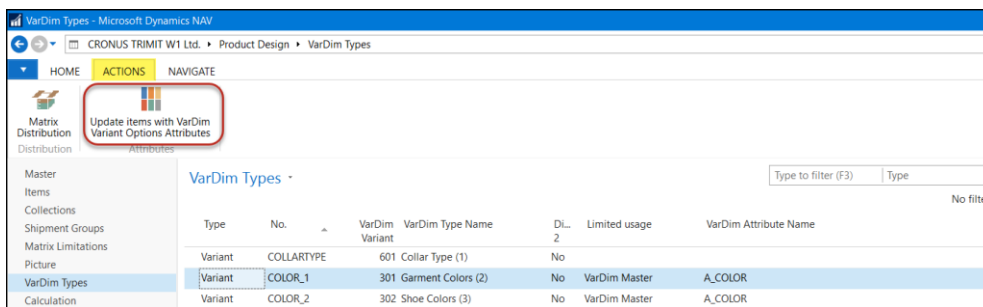
The screenshot shows the 'Items' list in Microsoft Dynamics NAV. The 'Attributes' button in the ribbon is highlighted. The 'Edit - Item Attribute Values' window is open, showing the 'A\_COLOR' attribute selected. The 'A\_COLOR' attribute is set to 'White'.

## VIA VARDIM TYPES

For **Item Attributes** related to the **VarDim Type Variant Options** of a VarDim Type, you can use an action to connect the right **Item Attributes** to the individual Items based on the **VarDim Type Variant Options**.

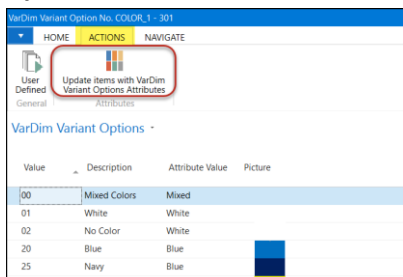
This presumes that the VarDim Type is in the **VarDim Master** of your Master, and that the **VarDim Variant Placement in Item** is filled with *Variant 1 – Variant 9*.

In the **VarDim Type List or Card**: ribbon **Actions**, click **Update Items with VarDim Variant Options Attributes**.

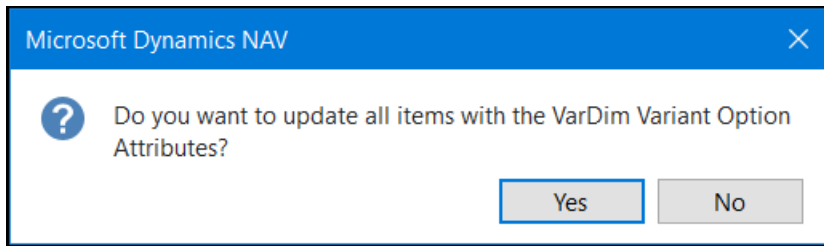


The screenshot shows the 'VarDim Types' list in Microsoft Dynamics NAV. The 'Update items with VarDim Variant Options Attributes' button in the ribbon is highlighted. The list shows three VarDim Types: COLLARTYPE, COLOR\_1, and COLOR\_2.

Alternatively, in the **VarDim Variant Options**: ribbon **Actions**, click **Update Items with VarDim Variant Options Attributes**.



The screenshot shows the 'VarDim Variant Options' card in Microsoft Dynamics NAV. The 'Update items with VarDim Variant Options Attributes' button in the ribbon is highlighted. The card shows a list of VarDim Variant Options with columns for Value, Description, Attribute Value, and Picture.



Click **Yes**

This specific Action will then connect the **Item Attributes** to the individual Items. I.e.

Master *2110 Sweater Long Sleeves* has the **VarDim Type** *COLOR\_1* connected in the **VarDim Master** as

*Variant 1*. Therefore, the Values of the **VarDim Type** *COLOR\_1* are part of the individual related Items.

Item *21102001 Sweater Long Sleeves*, Color *Blue*, Size *XS* will get Item Attribute *A\_COLOR* with Value *Blue*.

Item *21102501 Sweater Long Sleeves*, Color *Navy*, Size *XS* will get Item Attribute *A\_COLOR* with Value *Blue*.

Etc.

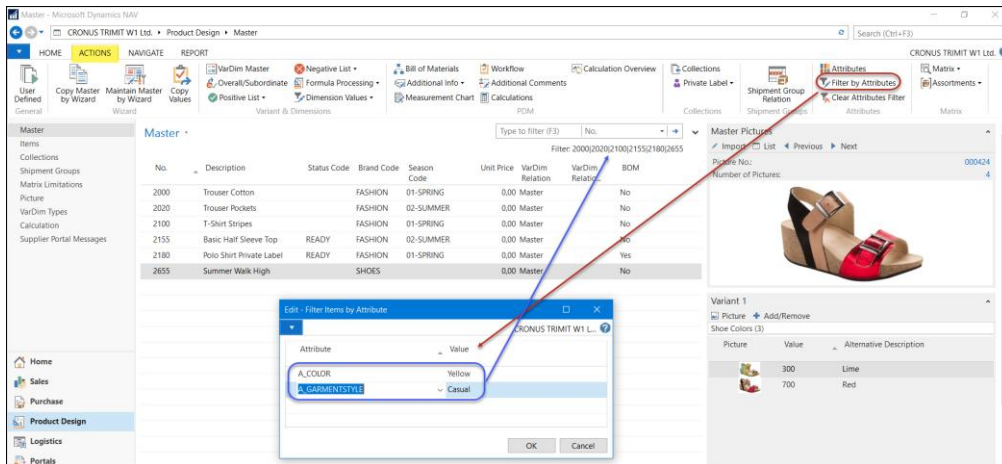


# USING ITEM ATTRIBUTE FILTERS

After you have created the **Item Attributes** and connected them to your Masters and/or Items, you can use the Item Attributes as a filter. Not only in the Item List, but also in the Master List.

## IN THE MASTERS LIST

I.e. If I want to know for which *Casual* Masters there are *Yellow* Items, I can use the action **Filter by Attributes** on the ribbon **Actions** in the Master List and enter the **Attribute A\_COLOR** with **Value Yellow** and the **Attribute A\_GARMENTSTYLE** with **Value Casual**.



When now clicking the **OK** button, the Master List will be filtered and only show Masters for which there are Items with the **Item Attribute A\_COLOR / Yellow** and **Item Attribute A\_GARMENTSTYLE / Casual**.

Therefore, it will even execute the **Filter by Attributes** for the underlying Items as well.

## IN THE ITEMS LIST

I.e. If I want to know which *Red Party* Items I have, I can use the action **Filter by Attributes** on the ribbon **Home** in the Item List and enter:

**Attribute A\_COLOR** with **Value Red**

**Attribute A\_GARMENTSTYLE** with **Value Party**.

