WHITE PAPER

TRIMIT INTERCOMPANY 24.1

This document contains information about the TRIMIT Intercompany functionality in TRIMIT 24.1 for Microsoft Dynamics 365 Business Central 2024, Wave 1 (W1).

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INTRODUCTION

Intercompany is a structure of several companies within i.e., one holding, that buy and sell to each other. Usually, you can talk about one purchase/production company and one or more sales companies. Standard Business Central has a structure for Intercompany, where a Sales Order in one company becomes a Purchase Order in another company, but it is still not possible to see the availability over all the companies: Reasons why TRIMIT Intercompany was developed:

- If a customer has several companies who wants to see the availability of Items over all the companies in the Intercompany structure.
- If one of the companies – let us say *Headquarter* - is designing, buying from external suppliers and/or producing themselves.
- If the other companies – let us say *SUB1* and *SUB2* – will deliver out of the Inventory of *Headquarter.*
- If you want Pick Documents created in the *Headquarter* based on the Sales Orders in the *SUB(s)* because your *Headquarter* is managing the warehouse for all companies.
- If you want Intercompany Purchase Orders to be created based on Posted Pick Documents in the *SUB* itself.
- If after external deliveries from *SUB1* and *SUB2* to their customers, you need the Intercompany Sales-/Purchase Orders to be created automatically.

In that case, **TRIMIT Intercompany** might be the functionality you need.

TRIMIT Intercompany is a functionality that is not using any objects of the functionality of Business Central Intercompany. It is a completely separate developed functionality.

In this White Paper, we will refer to the selling company as *Headquarter* and to the buying companies as *SUB(s)* or *SUB1 and SUB2.*

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.

The functionality described is the functionality as of **TRIMIT 24.1 for Business Central W1 BC24.X**.
The pictures in this White Paper are based on the demo database for **TRIMIT 24.1,** which is based on Microsoft Dynamics 365 Business Central 2024 Release Wave 1, in the demo company **CRONUS TRIMIT W1 Ltd.** (based on CRONUS International Ltd. of Microsoft Dynamics 365 Business Central).

NOTE
Pictures in this White Paper are based on the **TRIMIT Data and Test** App. This means, that Amounts, or other details might differ from the data in a TRIMIT Demo Site, but regarding Intercompany it is more important that the structure is setup right and the Quantities you see would be the same.

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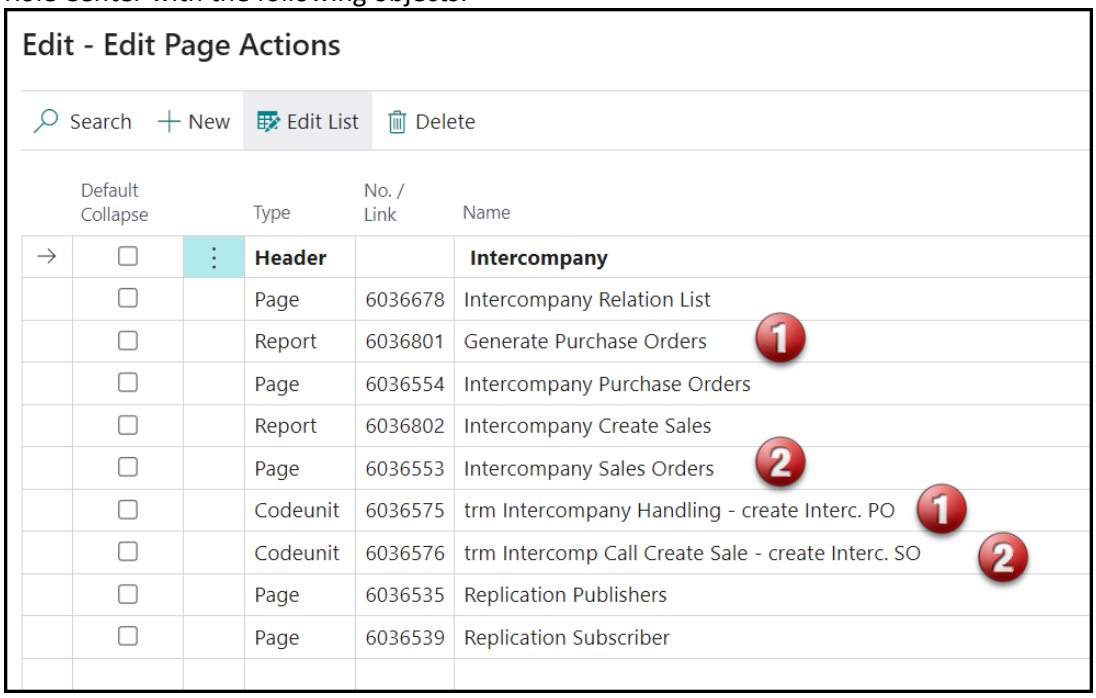
COMPONENTS

TRIMIT Intercompany contains the following objects:

The tables	***6036307***	***trm Temp Intercompany Buffer***
	6036678	***trm Intercompany Relations***
	6036679	***trm Intercompany Transact Log***
The pages	***6036553***	***trm Intercomp Sales Order List***
	6036554	***trm Intercomp Purch Orders***
	6036678	***trm Intercompany Relation List***
	6036679	***trm Intercompany Relation Card***
	6036687	***trm Intercompany Transact Log***
The reports	***6036801***	***trm Generate Purchase Orders***
	6036802	***trm Intercompany Create Sales***
The codeunits	***6036575***	***trm Intercompany Handling***
	6036576	***trm Intercomp Call Create Sale***
	6036577	***trm Intercompany Create Sale***
	6036781	***trm Post Pick Intercompany***

Many other objects are involved because of i.e., the Pick Documents but they will not be listed here. The above-mentioned objects are however direct related to the TRIMIT Intercompany.

To find all the processes regarding Intercompany quickly, you can use the ***My Actions*** FactBox in any TRIMIT Role Center with the following objects:



1) Instead of report ***Generate Purchase Orders*** you can also use Codeunit ***trm Intercompany Handing.***
2) Instead of report ***Intercompany Create Sales*** you can also use Codeunit ***trm Intercomp Call Create Sale.***

In this **My Actions** list, you can change the **Name** of the object, so it is clearer which object to use for which process.

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SETUPS AND DATA IN HEADQUARTER

This chapter contains information regarding the data and setups that you need in the company that is the *Headquarter* selling Items internally to the other companies.

To create the *Headquarter* Company for demo's, you can take a copy of the demo company **CRONUS TRIMIT W1 Ltd.** and name it: **CRONUS TRIMIT HQ**.
Then you need to add the data and setups mentioned in this chapter.

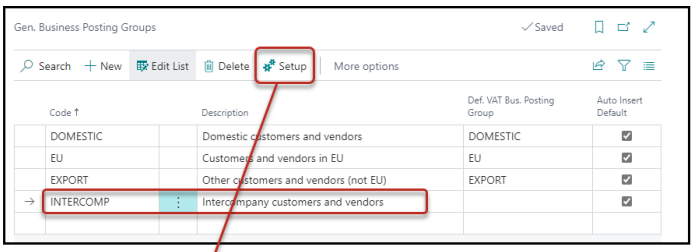
To create a *SUB1* Company for demo's, you can take a copy of the demo company **CRONUS TRIMIT W1 Ltd.** and name it **CRONUS TRIMIT SUB1**.
To create a *SUB2* Company for demo's, you can take a copy of the demo company **CRONUS TRIMIT W1 Ltd.** and name it **CRONUS TRIMIT SUB2**.
The needed data and setups for these *SUB1* and *SUB2* will be mentioned in the next chapter Setups and Data in SUB

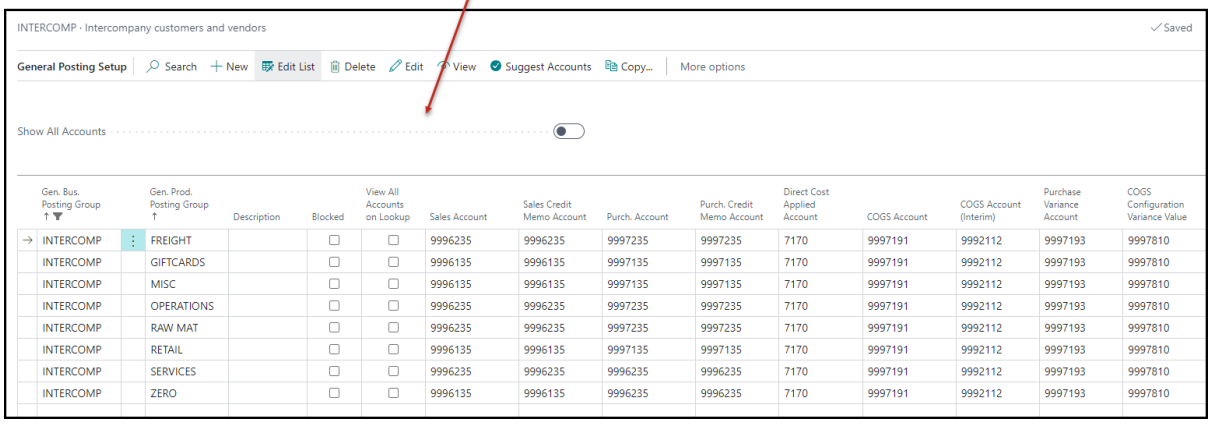
SPECIAL INTERCOMPANY DATA

To have a clear overview of Prices, G/L Entries and Statistics, it is common use, to have specific codes to identify the Intercompany Customers (*SUB(s)*) of the *Headquarter.*

SPECIAL GENERAL BUSINESS POSTING GROUP

A special **General Business Posting Group,** which can be found via **Search** *Business Posting*, and the **General Posting Setup** belonging to it:





Gen. Bus. Posting Group	Gen. Prod. Posting Group	Description	Blocked	View All Accounts on Lookup	Sales Account	Sales Credit Memo Account	Purch. Account	Purch. Credit Memo Account	Direct Cost Applied Account	COGS Account	COGS Account (Interim)	Purchase Variance Account	COGS Configuration Variance Value
INTERCOMP	FREIGHT		☐	☐	9996235	9996235	9997235	9997235	7170	9997191	9992112	9997193	9997810
INTERCOMP	GIFTCARDS		☐	☐	9996135	9996135	9997135	9997135	7170	9997191	9992112	9997193	9997810
INTERCOMP	MISC		☐	☐	9996135	9996135	9997135	9997135	7170	9997191	9992112	9997193	9997810
INTERCOMP	OPERATIONS		☐	☐	9996235	9996235	9997235	9997235	7170	9997191	9992112	9997193	9997810
INTERCOMP	RAW MAT		☐	☐	9996235	9996235	9997235	9997235	7170	9997191	9992112	9997193	9997810
INTERCOMP	RETAIL		☐	☐	9996135	9996135	9997135	9997135	7170	9997191	9992112	9997193	9997810
INTERCOMP	SERVICES		☐	☐	9996235	9996235	9996235	9996235	7170	9997191	9992112	9997193	9997810
INTERCOMP	ZERO		☐	☐	9996135	9996135	9996235	9996235	7170	9997191	9992112	9997193	9997810

NOTE

Sales Account, Sales Credit Memo Account, Purchase Account and **Purchase Credit Memo Account** have been changed in comparison to the accounts in CRONUS International Ltd. You can also change other accounts in the **General Posting Setup** if you want/need them.

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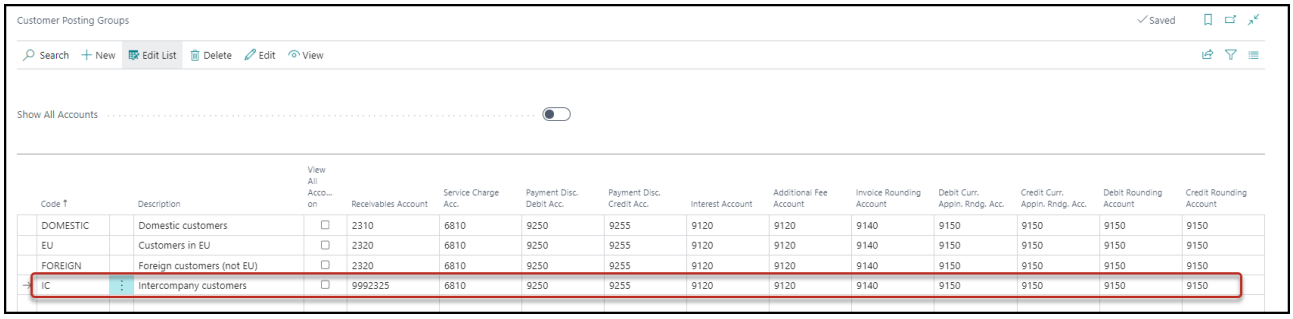
SPECIAL CUSTOMER POSTING GROUP

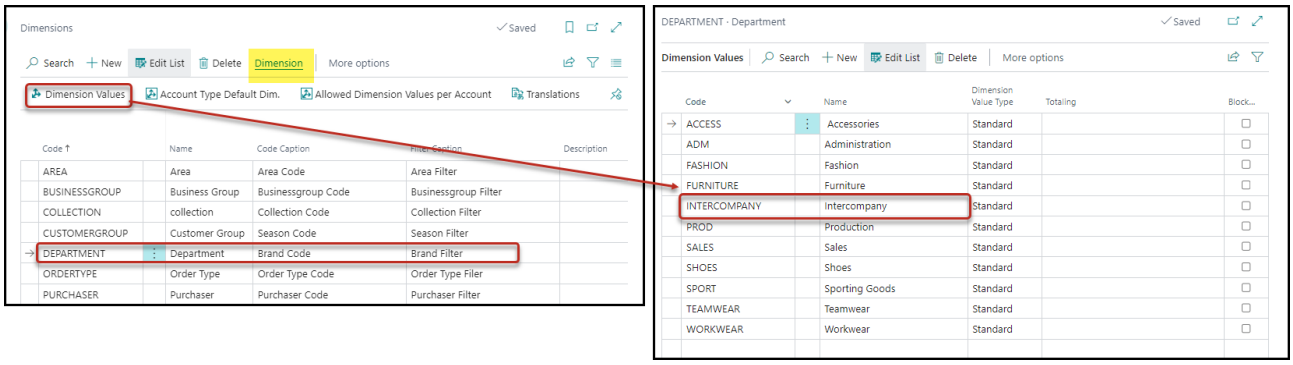
A special **Customer Posting Group,** which can be found via **Search** *customer posting* and the Accounts belonging to it:



SPECIAL DIMENSIONS

A special **Dimension Value** for the Global Dimension 1 (in our demo company *DEPARTMENTS*) to be able to make Analysis by Dimensions.

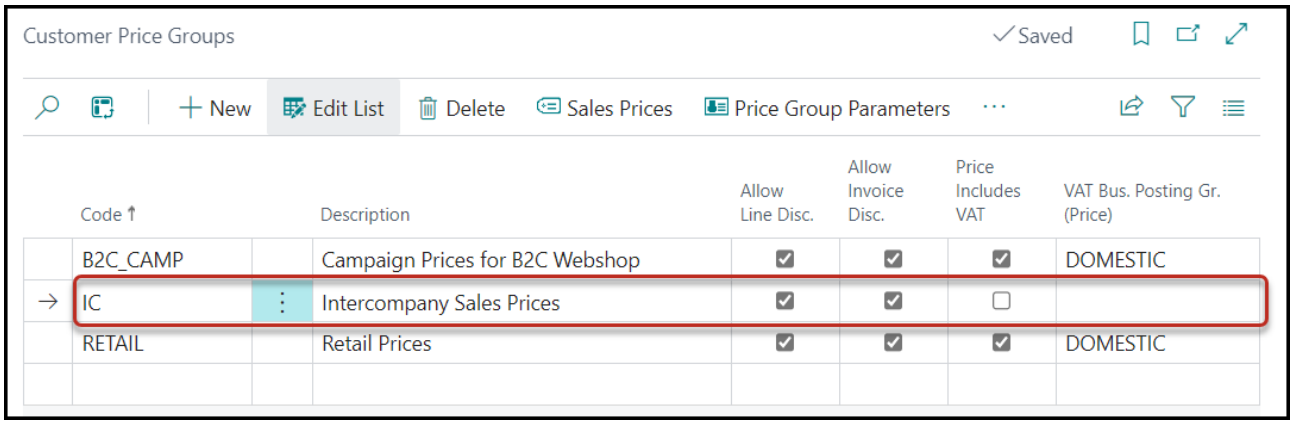
You can enter the **Dimension Value** via **Search** *Dimensions* and click ***Dimension, Dimension Values***:



SPECIAL CUSTOMER PRICE GROUP

If you want to have fixed Intercompany Sales Prices between *Headquarter* and the *SUB(s),* you can decide to use a special **Customer Price Group.**

A special **Customer Price Group** can be entered via **Search** *Customer Price Group:*



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SPECIAL NO. SERIES

For the Intercompany Sales Orders from the *Headquarter* to the *SUB(s),* you could create a specific No. Series. I.e.:

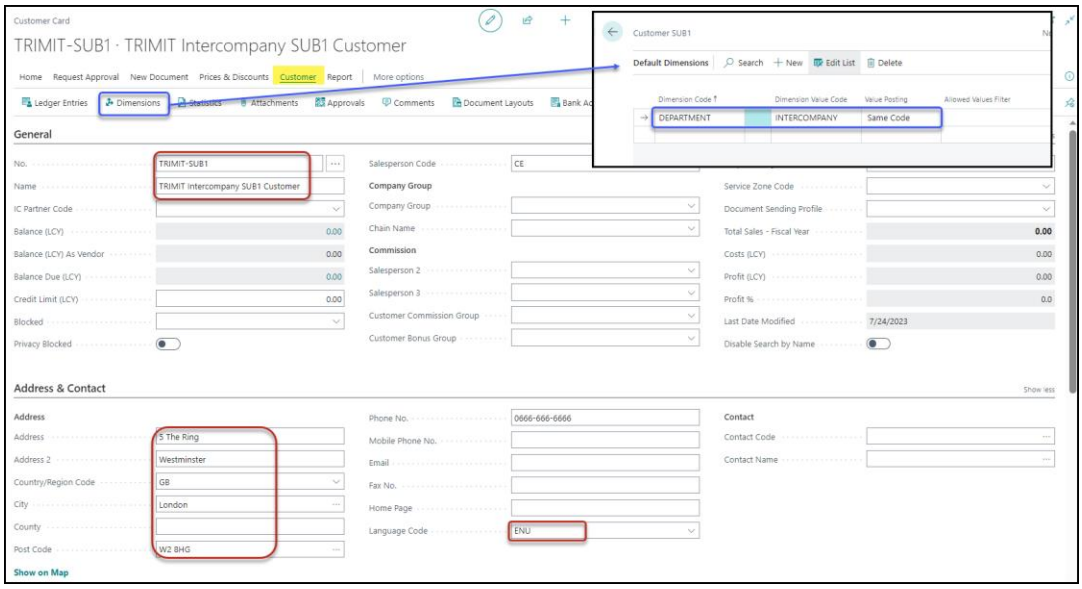
NOTE

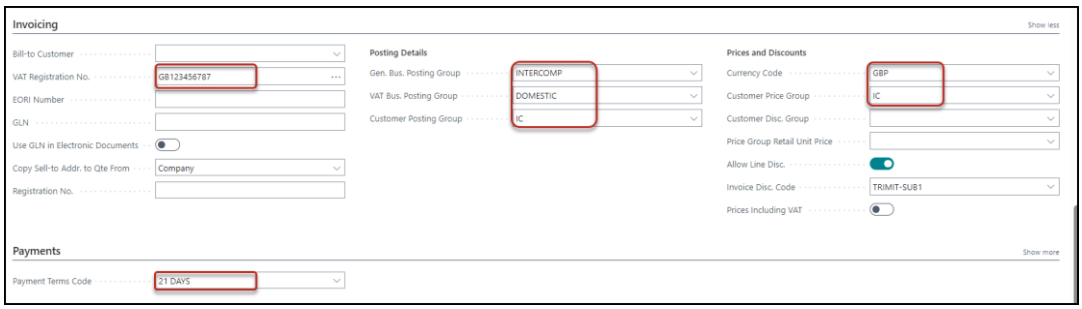
Also, regarding the regular Sales Order numbers and Purchase Order numbers, we advise to have different No. Series in the different companies. This will make it clearer where a demand for an Item will come from regarding availability.

SPECIAL CUSTOMER

For a *SUB,* you need to enter a **Customer No.** with the special codes as mentioned above, which can be entered via ***Customers*** (i.e., in Role Center ***TRIMIT Small Business*** directly) or via **Search** *Customers*:

For *SUB1:* Via ***Customer, Dimensions***; you can enter the special Dimension Value Code:





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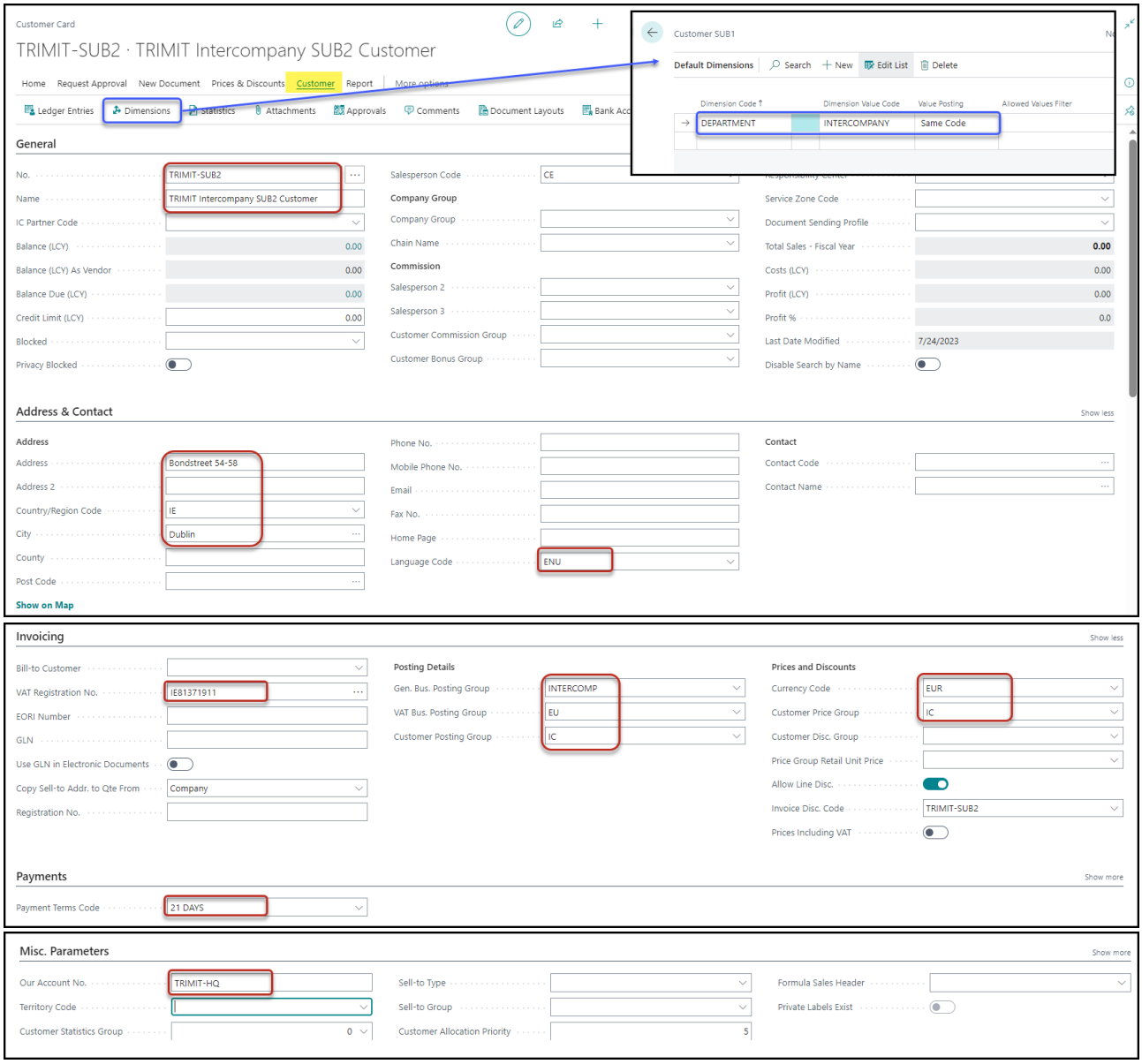
For *SUB2:* Via ***Customer, Dimensions***; you can enter the special Dimension Value Code:



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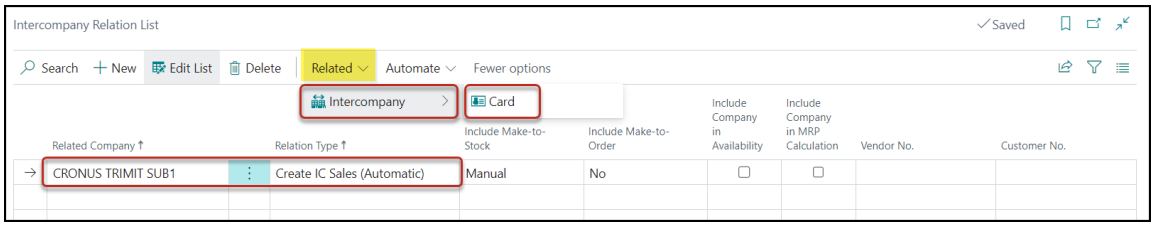
INTERCOMPANY RELATIONS IN HEADQUARTER

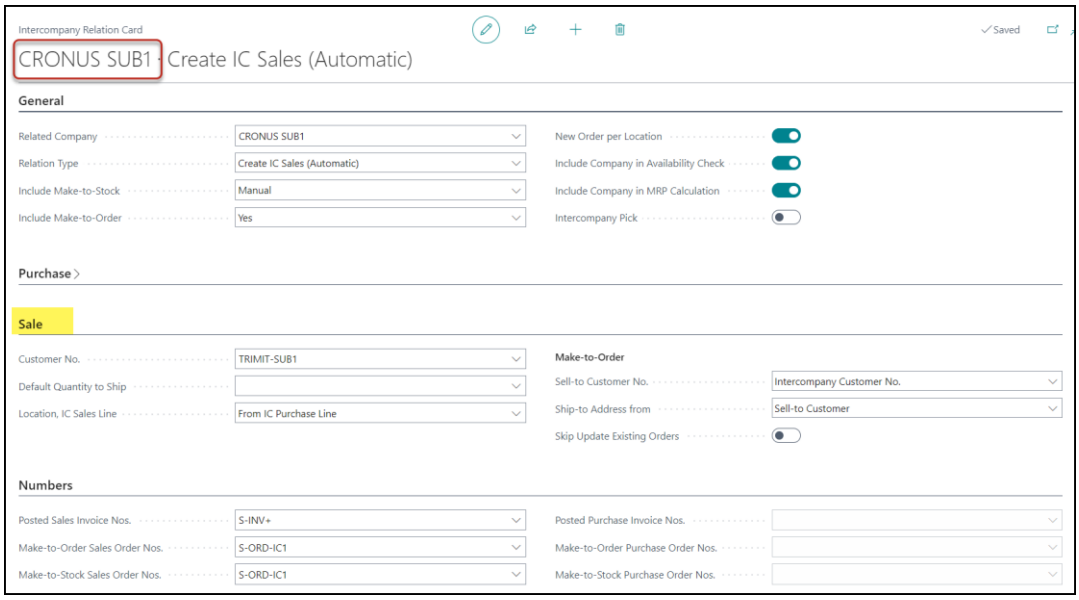
In the **Intercompany Relations,** which can be found via **Search** *Intercompany Relations,* you need to setup the companies to which the current company has a relationship within the Intercompany structure.

NOTE

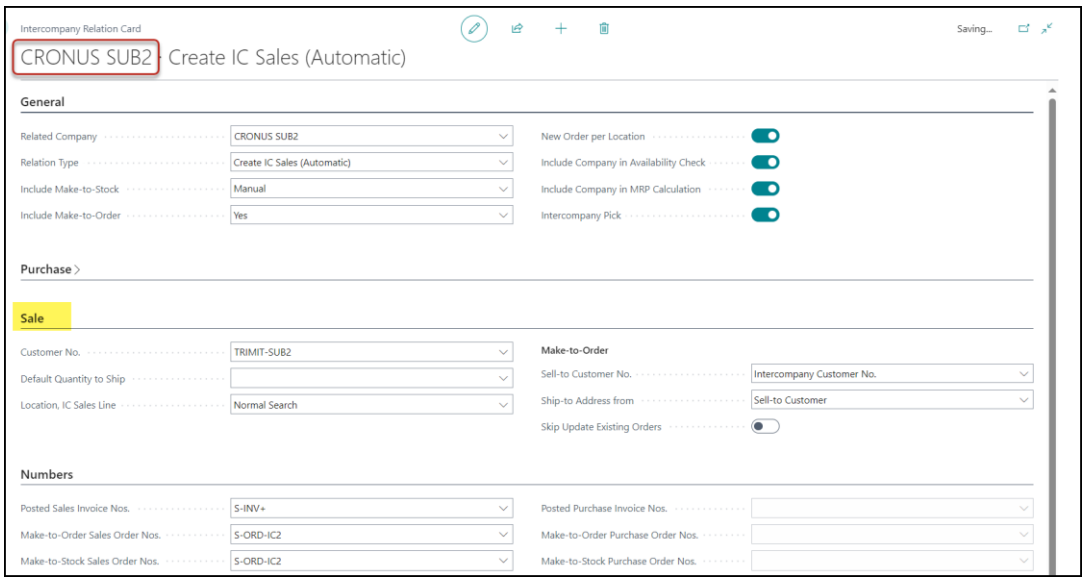
When standing in the **Intercompany Relations List** you need create the new **Related Company** in the list first, after which, you can click ***Related, Intercompany, Card*** to enter the rest of the information.



I.e., for *CRONUS TRIMIT SUB1*



I.e., for *CRONUS TRIMIT SUB2*



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FASTTAB GENERAL

RELATED COMPANY

This is the name of the **Company** for which you want to fill the **Intercompany Relations**.

RELATION TYPE

The **Relation Type** tells you about the relationship between the current Company (*CRONUS TRIMIT HQ*) and the **Related Company** (*CRONUS TRIMIT SUB1 or SUB2*).
Because the current *Headquarter* Company is selling to the **Related Company** (*SUB(s)*)**,** you need to choose *Sales (Automatic).*

You can however also leave it blank if you only want to see the availability in the current Company including the **Related Company** (*SUB(s)*), but do not want the system to create automatically Intercompany Orders.

INCLUDE MAKE-TO-STOCK

This field determines on which ground the Intercompany Purchase Orders will be generated automatically for Masters/Items that have **Replenishment Policy** set to *Inventory*.
You can choose between the following three options:

Manual	The system does not create **Intercompany Purchase Orders** automatically via the procedure for creating Intercompany Purchase Orders. The Intercompany Purchase Orders need to be entered manually or calculated by using the TRIMIT MRP functionality. The Intercompany Sales Orders in the *Headquarter* will simply be based on the Intercompany Purchase Orders in the *SUB(s).*
Apply Negative Inventory	The system can automatically create **Intercompany Purchase Orders** if there is a **Net Change <>0** for an Item. Assuming this **Net Change** in the Item will be negative (Sales Orders to external customers have been delivered, but no Intercompany Purchase Orders have been received) a new Purchase Order can be created with the quantity *Net Change * -1*
Apply Positive Inventory	The system can automatically create **Intercompany Purchase Orders** in the *SUB* if **Net Change** - **Qty. on Sales Order - Decrease Prod. (Base) > 0** for an Item in the *Headquarter.*
Posted Intercompany Pick	The system can automatically create **Intercompany Purchase Orders** in the *SUB,* based on Posted Pick Documents in the *SUB.*

NOTE

This field is not important in the *Headquarter*, only in the *SUB(s).*

Manual can be used in any situation of companies in an Intercompany structure.

Apply Negative Inventory can be used in any situation of companies in an Intercompany structure. The idea behind it is that the *SUB(s)* will simply sell based on the Inventory of the *Headquarter* and the Intercompany Purchase Order usually will be created per week or even per month based on the negative Inventory in the *SUB(s).*

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Apply Positive Inventory can only be used if there is 1 *Headquarter* (i.e., a producing company) and 1 *SUB* (i.e., selling company) where the *SUB* will simply sell everything that the *Headquarter* is buying/producing and does not need Inventory for their own Sales Orders or Production Orders. Therefore, a positive Inventory in the *Headquarter* will be sold to the *SUB.*

Posted Intercompany Pick can be used if you want the Intercompany Purchase Orders in the *SUB(s)* be based on the Posted Pick Documents in the *SUB(s)*, where an Intercompany Purchase Order will be created per Posted Pick Document. This can give you comparable documents regarding what is shipped by the *Headquarter* to customers of the *SUB(s)* and the Intercompany Purchase Orders in the *SUB(s).*

INCLUDE MAKE-TO-ORDER

This field (*Yes/No*) determines if Items with **Replenishment Policy** set to *Order* will also be included in the automatic creation of the Intercompany Sales Orders.

NEW ORDER PER LOCATION

This field determines if you want your Intercompany Orders created per Location.

A checkmark in this field in the *Headquarter* means, that the Intercompany Sales Orders will be created corresponding to the Intercompany Purchase Orders in the *SUB(s)*. The Sales Lines of the Intercompany Sales Orders in the *Headquarter* will have the Location Codes copied from the corresponding Intercompany Purchase Orders in the *SUB(s)*.

If you let this field unchecked in the *Headquarter* and the **New Order per Location** of the *SUB(s)* has a checkmark, the Intercompany Sales Orders will still be created corresponding to the Intercompany Purchase Orders in the *SUB(s)* except for the Location Codes.
If the **Customer No.** of the Intercompany Relations has a **Location Code** attached, this Location Code will be copied to the Sales Lines.
If the **Customer No.** has no **Location Code** attached, the Sales Lines will have no Location Codes, regardless the Location Codes of the Intercompany Purchase Orders in the *SUB(s)*.

INCLUDE COMPANY IN AVAILABILITY CHECK

This field determines if the **Availability Check** in the current company *Headquarter* need to include the availability of the **Related Company** (*SUB(s)*) as well.

INCLUDE COMPANY IN MRP CALCULATION

This field determines if the MRP Calculation in the current company *Headquarter* need to include the demand in the **Related Company** (*SUB(s)*) as well.

INTERCOMPANY PICK

While creating Pick Documents in the *Headquarter*, you can create Pick Documents based on Sales Orders in the *SUB(s)*. You can however only choose the *SUB(s)* that have a checkmark in the **Intercompany Pick** of the Intercompany Relation.

FASTTAB PURCHASE

The fields on FastTab ***Purchase*** are not applicable in the *Headquarter.*

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FASTTAB SALES

CUSTOMER NO.

Here you need to enter the **Customer No.** of the **Related Company** (*SUB(s)*) in case the **Relation Type** has been set to *Create IC Sales (Automatic)*.

DEFAULT QUANTITY TO SHIP

This field determines how the **Qty. to Ship** for created Intercompany Sales Orders in the *Headquarter* for the **Related Company** should be filled.
You can choose between the following three options:

<empty>	The **Qty. to Ship** will be filled based on the **Default Quantity to Ship** in the **Sales & Receivables Setup**
Remainder	Fills the **Qty. to Ship** field with the Quantity that is remaining on the Sales Line
Blank	Leaves the **Qty. to Ship** field blank.

LOCATION, IC SALES LINE

This field determines how the **Location Code** should be determined for the Intercompany Sales Order Lines in the *Headquarter* for this specific **Related Company** based on the Intercompany Purchase Order Lines in the **Related Company**.
You can choose between the following two options:

From IC Purchase Line	The **Location Code** in the Intercompany Sales Line will be copied from the **Location Code** of the originating Intercompany Purchase Line.
Normal Search	The **Location Code** in the Intercompany Sales Line will be determined based on the regular settings (i.e. **Location Code** of Customer) and will not be copied from the originating Purchase Line.

SELL-TO CUSTOMER NO.

This field determines which **Customer** related fields would be filled in the Intercompany Sales Order.
You can choose between the following two options:

Intercompany Customer No.	The Intercompany Sales Order in *Headquarter* will get the **Sell-to Customer No.** and the **Bill-to Customer No.** filled with the **Customer No.** of the Intercompany Relations for the **Related Company** (*SUB(s)*).
External Sell-to Customer	Only in case **Include Make-to-Order** of the Intercompany Relation is set to *Yes*, and only for the Item that have **Replenishment Policy** set to *Order*. Only if the field **Initiating Order No. Start Level** in the Intercompany Purchase Order in the *SUB(s)* (for which the system creates an Intercompany Sales Order in the *Headquarter*) was filled; the **Sell-to Customer No.** will be filled with the **Sell-to Customer No.** from that Initiating Sales Order in the *SUB(s).* The **Bill-to Customer No.** will be filled with the **Customer No.** of the Intercompany Relations for the **Related Company** (*SUB(s)*). If the field **Initiating Order No. Start Level** was not filled; the **Sell-to Customer No.** will also be filled with the **Customer No.** of the Intercompany Relations for the **Related Company** (*SUB(s)*).

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SHIP-TO ADDRESS FROM

This field determines which **Ship-to Address** related fields would be filled in the Intercompany Sales Order. You can choose between the following two options:

Sell-to Customer	The Intercompany Sales Order in *Headquarter* will get **Ship-to Address** fields based on the **Sell-to Customer** that has been determined based on the **Sell-to Customer No.** from this **Intercompany Relation.**
External Sales Order	Only in case **Include Make-to-Order** of the Intercompany Relation is set to *Yes*, and only for the Item that have **Replenishment Policy** set to *Order*. Only if the field **Initiating Order No. Start Level** in the Intercompany Purchase Order in the *SUB(s)* (for which the system creates an Intercompany Sales Order in the *Headquarter*) was filled; the **Sell-to Address** fields will be filled with the **Sell-to Address** fields from that Initiating Sales Order in the *SUB(s).* If the field **Initiating Order No. Start Level** was not filled; the **Sell-to Address** fields will also be filled based on the **Sell-to Customer** that has been determined based on the **Sell-to Customer No.** from this **Intercompany Relation.**

SKIP UPDATE EXISTING ORDERS

This field (*TRUE/FALSE*) determines if (some) changes in an external Sales Order (in the *SUB(s))* or Intercompany Purchase Order (in the *SUB(s)*) will also be changed in the corresponding Intercompany Sales Order (in the *Headquarter)* that was already created.
For the Sales Header it concerns the **Shipment Date, Ship-to Address** fields and **Your Reference**.
For the Sales Lines it will be updated in case the **No.**, **Quantity** or **Expected Receipt Date** is changed in the related Intercompany Purchase Order.
A checkmark in this field will not update the Intercompany Sales Orders (in the *Headquarter*) if the external Sales Order changes.
This is only applicable in case the **Replenishment System** of the Item is set to *Order*.

FASTTAB NUMBERS

For the Intercompany Orders/Invoices you can setup special **No. Series,** but you can also simply use the No. Series that you use in the **Sales & Receivables Setup** for the 'normal' Orders/Invoices.

POSTED SALES INVOICE NOS.

Here you need to enter the **No. Series** for the Posted Intercompany Sales Invoices.

NOTE
A posted **Intercompany Sales Order** is a normal **Posted Sales Invoice** but will have field **Intercompany** set to *Yes.* This field is however not in the page *132 Posted Sales Invoice* or page *143 Posted Sales Invoices*; so, you might want to add that to the page.
The same is applicable for the **Posted Sales Shipment** (pages *130 Posted Sales Shipment* and *142 Posted Sales Shipments*).

MAKE-TO-ORDER SALES ORDER NOS.

Here you need to enter the **No. Series** for the Intercompany Sales Orders in the *Headquarter* that will be created if the Purchase Order in the *SUB(s)* is Order initiated.

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MAKE-TO-STOCK SALES ORDER NOS.

Here you need to enter the **No. Series** for the Intercompany Sales Orders in the *Headquarter* that will be created if the Purchase Order in the *SUB(s)* is Inventory Initiated.

NOTE 1

An **Intercompany Sales Orders** will have field **Intercompany** set to *Yes.*
You can see the Intercompany Sales Orders via the normal Sales Orders. The field **Intercompany** is however not in the page of Sales Orders; so, you might want to add that to the page *42 Sales Header* and/or page *45 Sales List*.
You can see the **Intercompany Sales Orders** also via **Search** *Intercompany Sales Orders***.** This will only show the Sales Orders with **Intercompany** set to *Yes.*

NOTE 2

The other fields of this FastTab are not applicable for the *Headquarter.*

SETUPS AND DATA IN SUB

This chapter contains information about the data and setups that you need in the company that is the *SUB* buying Items internally from the *Headquarter*.

To create a *SUB1* company for demo's, you can take a copy of the demo company **CRONUS TRIMIT W1 Ltd.** and name it **CRONUS TRIMIT SUB1**.
Then you need to add the data and setups mentioned in this chapter.

To create a *SUB2* company for demo's, you can take a copy of the demo company **CRONUS TRIMIT W1 Ltd.** and name it **CRONUS TRIMIT SUB2**.
Then you need to add the data and setups mentioned in this chapter.

To create the *Headquarter* Company for demo's, you can take a copy of the demo company **CRONUS TRIMIT W1 Ltd.** and name it **CRONUS TRIMIT HQ**.
The needed data and setups for the *Headquarter* are mentioned in the previous chapter Setups and Data in Headquarter

SPECIAL INTERCOMPANY DATA

To have a clear overview of Prices, G/L Entries and Statistics, it is common use to have specific codes to identify the Intercompany Vendor (*Headquarter*) of the *SUB(s).*

SPECIAL GENERAL BUSINESS POSTING GROUP

A special **General Business Posting Group,** which can be found via **Search** *Business Posting*, and the **General Posting Setup** belonging to it:

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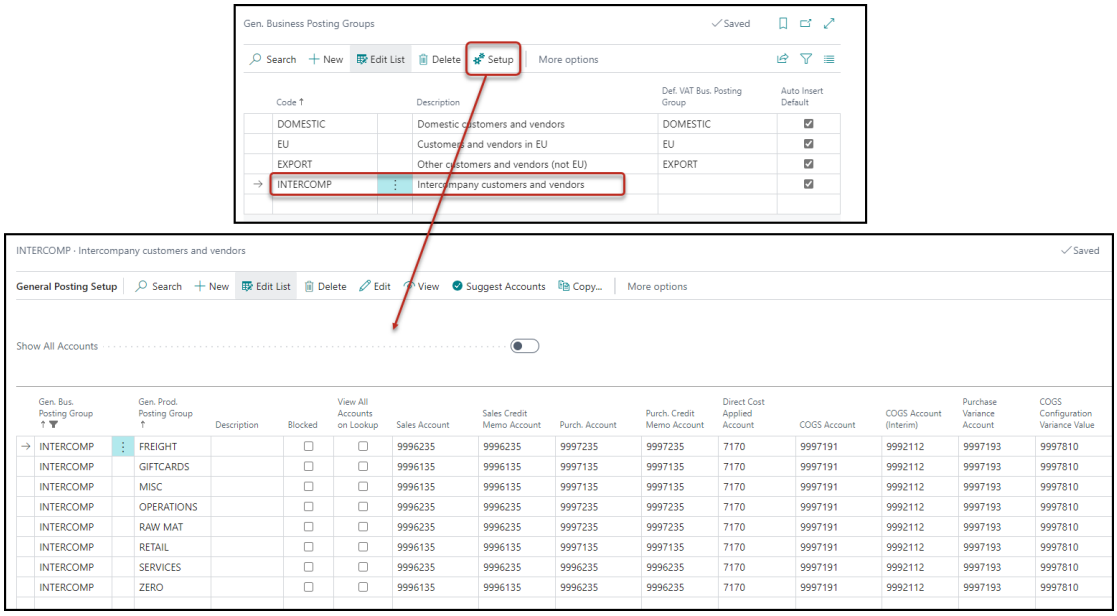
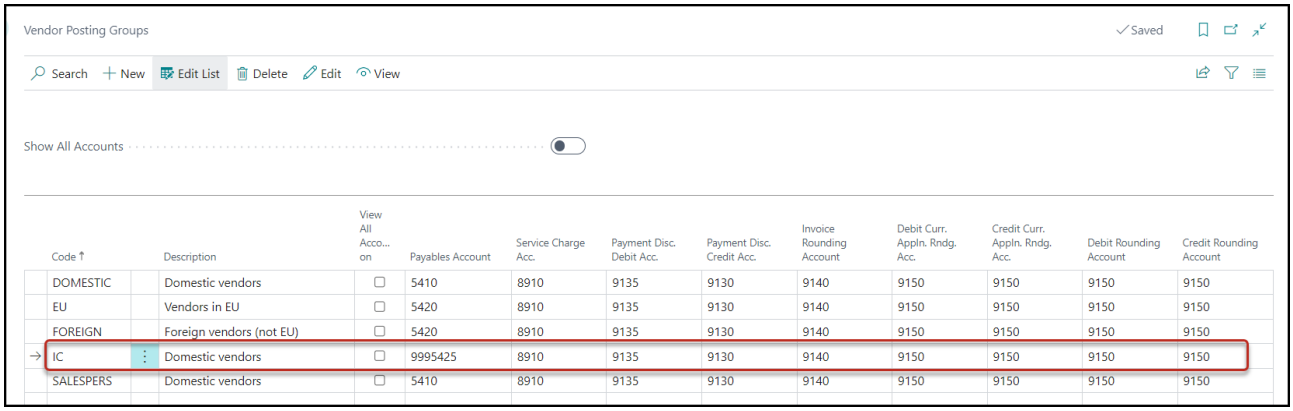


NOTE

Sales Account, Sales Credit Memo Account, Purchase Account and **Purchase Credit Memo Account** have been changed in comparison to the accounts in CRONUS International Ltd. You can also change other accounts in the **General Posting Setup** if you want/need them.

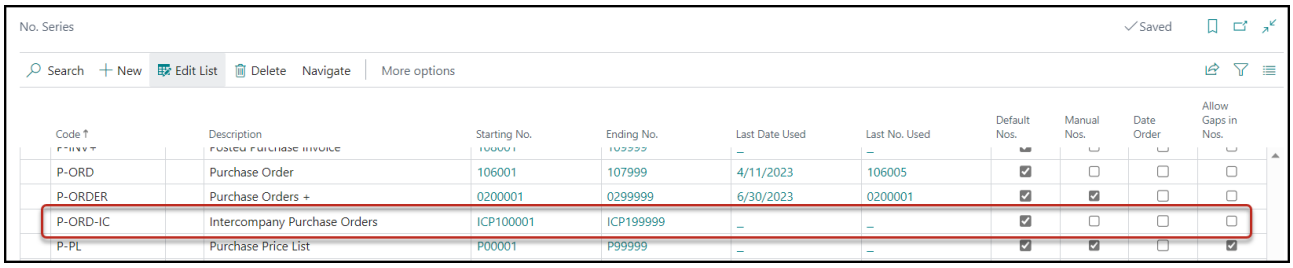
SPECIAL VENDOR POSTING GROUP

A special **Vendor Posting Group,** which can be entered via **Search** *Vendor Posting Groups*, and the Accounts belonging to it:



SPECIAL NO. SERIES

For the Intercompany Purchase Orders from the *Headquarter* to the *SUB(s),* you could create a specific No. Series. I.e.:



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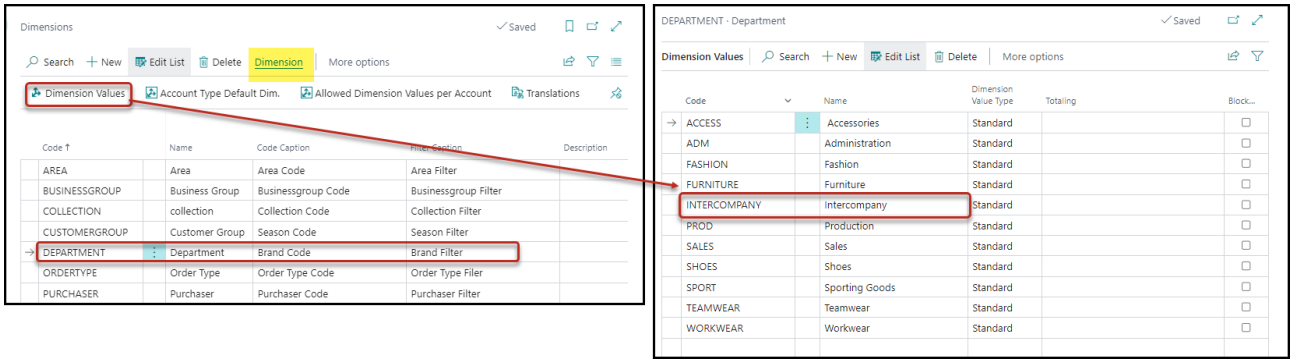
NOTE

Also, regarding the regular Sales Order numbers, Purchase Order numbers, we advise to have different No. Series in the different companies. This will make it clearer where a demand for an Item will come from regarding availability. Also, regarding the TRIMIT Pick Document numbers, we advise to have different No. series in the different companies.

SPECIAL DIMENSIONS

A special **Dimension Value** for the Global Dimension 1 (in our demo company *DEPARTMENTS*) to be able to make Analysis by Dimensions.

You can enter the **Dimension Value** via **Search** *Dimensions* and click ***Dimension, Dimension Values***:



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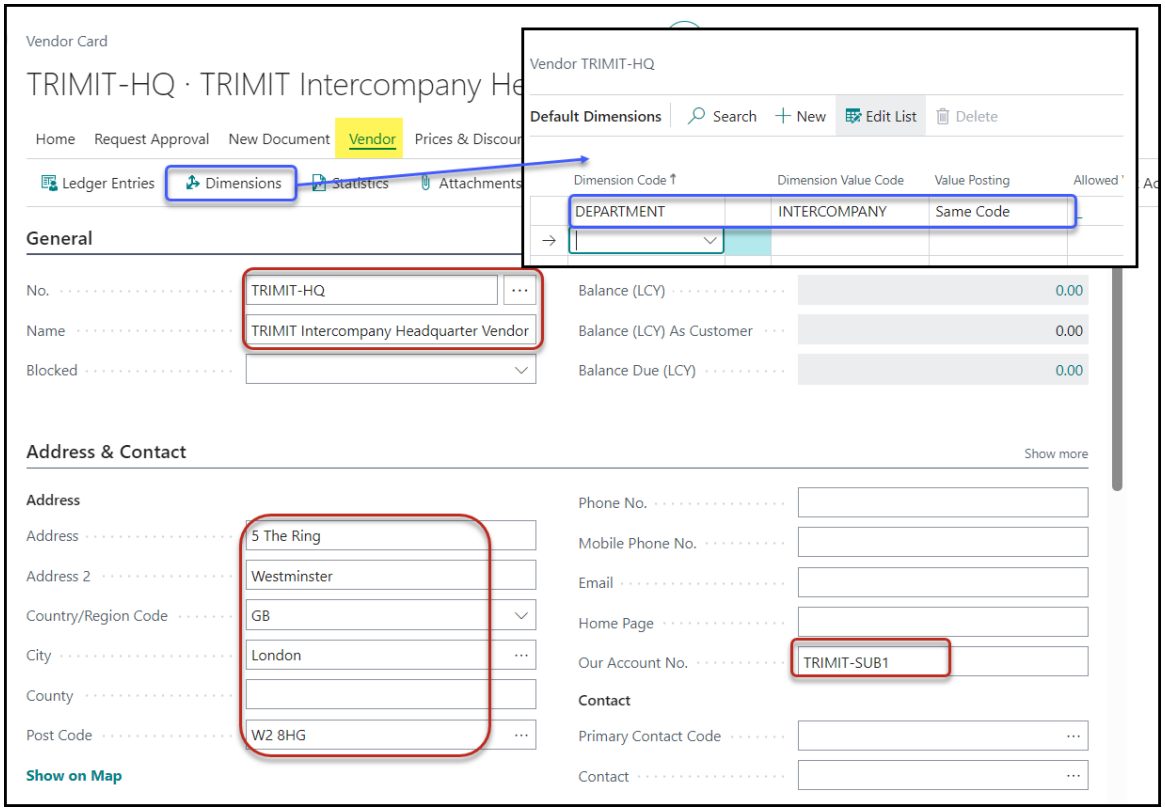
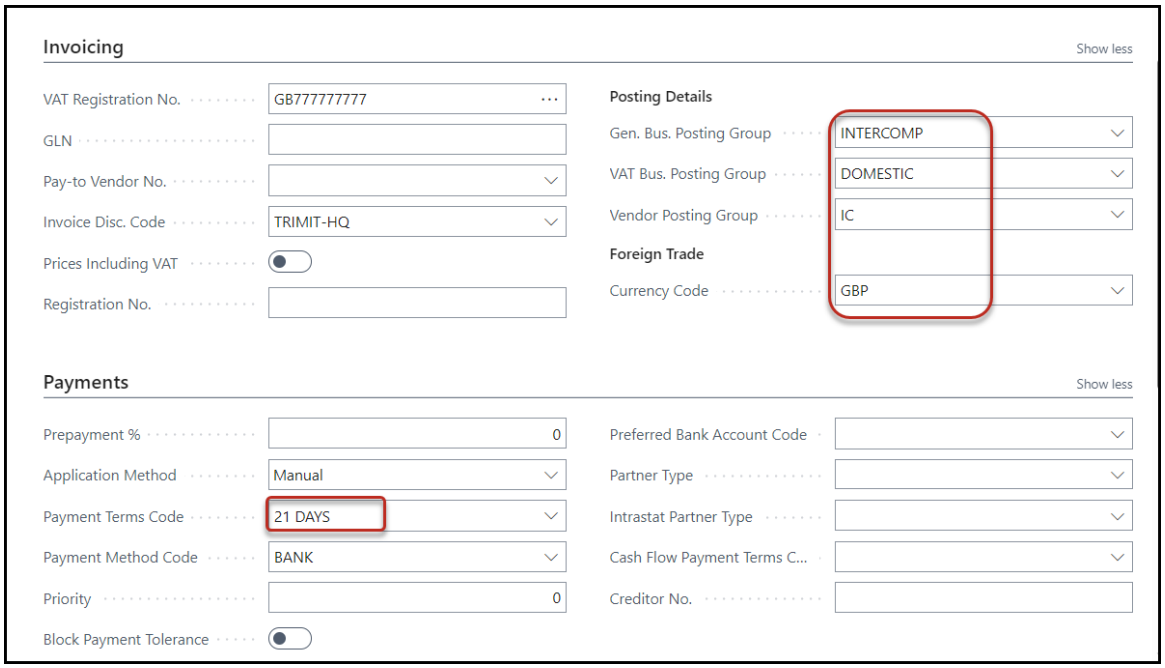
SPECIAL VENDOR

For a *Headquarter,* you need to create a **Vendor No.** via **Vendors** (i.e., in the TRIMIT Small Business Role Center) or via **Search** *Vendors,* with the special codes as mentioned above.

Via ***Related, Dimensions***; you can enter the special Dimension Value Code:

In *SUB1:*





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In *SUB2:*

Vendor Card

TRIMIT-HQ · TRIMIT Intercompany He

Home | Request Approval | New Document | Vendor | Prices & Discou

Ledger Entries | Dimensions | Statistics | Attachment

Vendor TRIMIT-HQ

Default Dimensions | Search | New | Edit List | Delete

Dimension Code	Dimension Value Code	Value Posting	Allowed
DEPARTMENT	INTERCOMPANY	Same Code	_

General

No.	TRIMIT-HQ	Balance (LCY)	0.00
Name	TRIMIT Intercompany Headquarter Vendor	Balance (LCY) As Customer	0.00
Blocked		Balance Due (LCY)	0.00

Address & Contact — Show more

Address

Address	5 The Ring
Address 2	Westminster
Country/Region Code	GB
City	London
County	
Post Code	W2 8HG

Show on Map

Phone No.	
Mobile Phone No.	
Email	
Home Page	
Our Account No.	TRIMIT-SUB2

Contact

Primary Contact Code	
Contact	

Invoicing — Show less

VAT Registration No.	GB777777777
GLN	
Pay-to Vendor No.	
Invoice Disc. Code	TRIMIT-HQ
Prices Including VAT	
Registration No.	

Posting Details

Gen. Bus. Posting Group	INTERCOMP
VAT Bus. Posting Group	EU
Vendor Posting Group	IC

Foreign Trade

Currency Code	GBP

Payments — Show less

Prepayment %	0
Application Method	Manual
Payment Terms Code	21 DAYS
Payment Method Code	BANK
Priority	0
Block Payment Tolerance	

Preferred Bank Account Code	
Partner Type	
Intrastat Partner Type	
Cash Flow Payment Terms C...	
Creditor No.	

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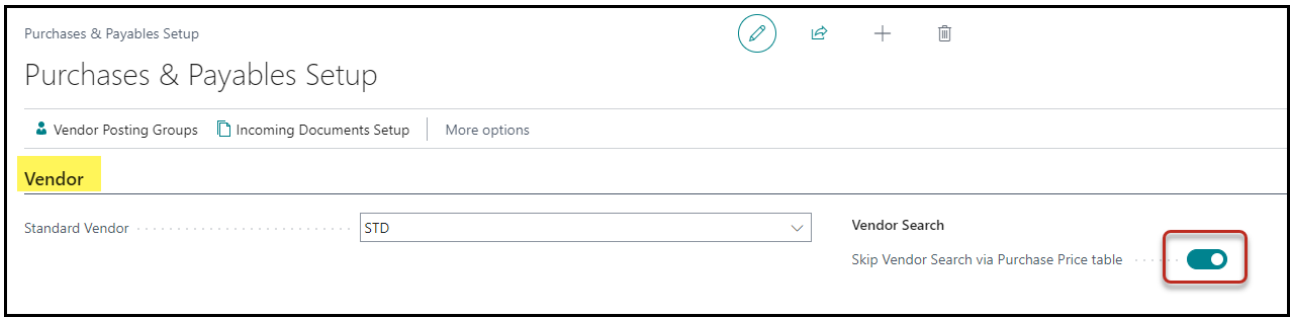
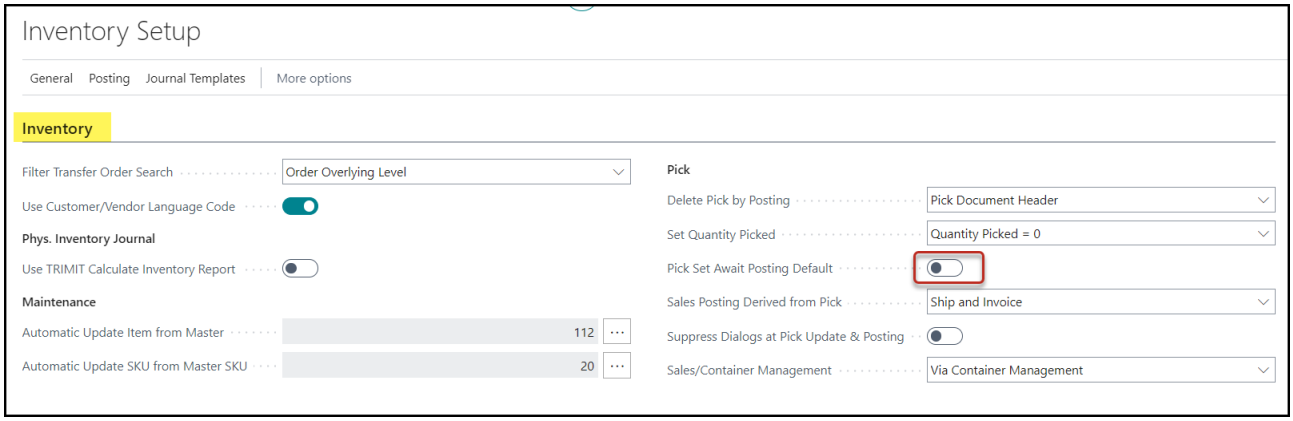
PURCHASE & PAYABLES SETUP

If you copy Master related data from *Headquarter* to the *SUB(s)* by using the **Replication** functionality, and not create Purchase Prices for the Masters for the *Headquarter* Vendor, make sure that the parameter **Skip Vendor Search via Purchase Price table** in the Purchase & Payables Setup in the SUB(s) is *Yes.* Otherwise, the system might create a regular Purchase Order and not an Intercompany Purchase Order.
This is because the system will by default determine the Vendor based on the Purchase Prices and not based on the **Vendor No.** in the Master-/Item Card.



INVENTORY SETUP

In the Inventory Setup, there is a special field regarding Pick Documents and Intercompany.
You can find it on FastTab ***Inventory***:



PICK SET AWAIT POSTING DEFAULT

Especially when using TRIMIT Intercompany, you might want to prevent the Pick Document in the *SUB(s)* to be posted before the *Headquarter* has posted theirs.
That is why you can set this Parameter to *Yes,* so the field **Await Posting** in the Pick Document Line will get a checkmark by default, and you need to take extra actions (could also be a customized report) before the Pick Document Line can be posted.

NOTE
In case you will use the Intercompany Procedure for *Intercompany Pick,* you might want to set it to *Yes,* to prevent that Pick Documents in the *SUB(s)* are posted before the corresponding Pick Documents in the *Headquarter*.

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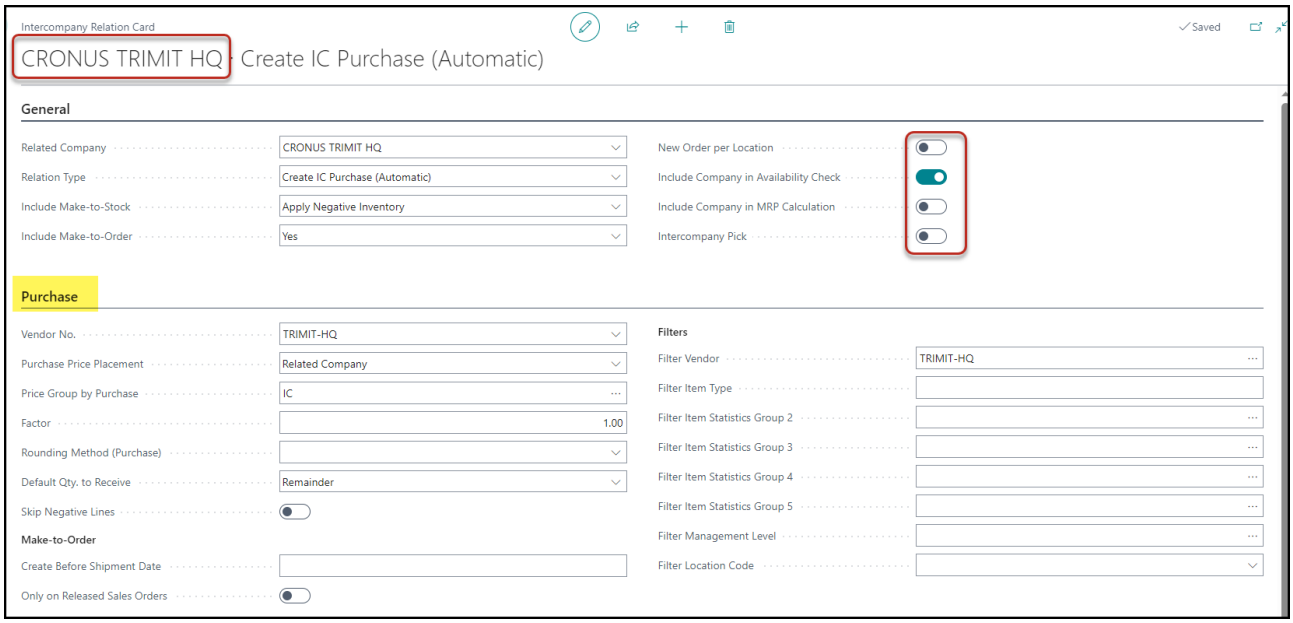
INTERCOMPANY RELATIONS IN SUB(S)

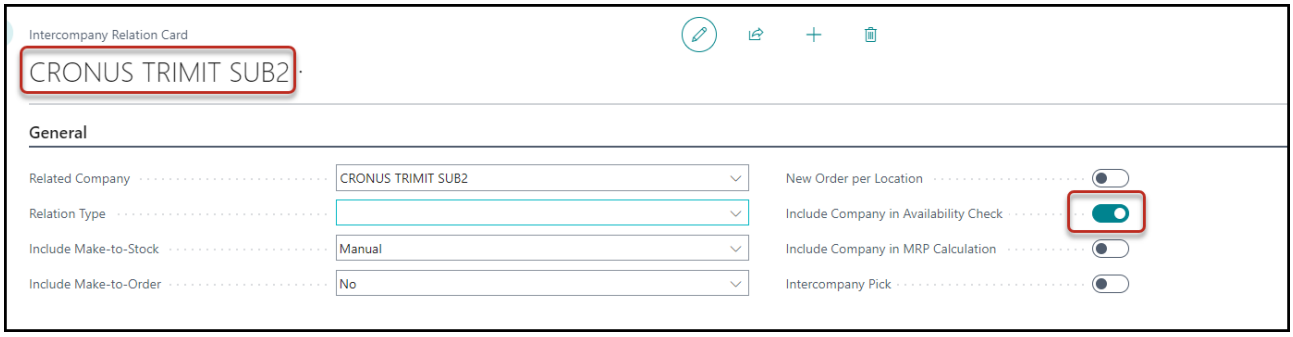
In the **Intercompany Relations,** which can be found via **Search** *Intercompany Relations,* you need to setup the companies to which the current company has a relationship within the Intercompany structure.

NOTE
When standing in the **Intercompany Relations List** you need create the new **Related Company** in the list first, after which, you can click ***Related, Intercompany, Card*** to enter the rest of the information.

In *SUB1:*
The **Intercompany Relation** with *CRONUS TRIMIT HQ* – which is the *Headquarter*.
With this company, I have a Purchase relation; I will buy from this company.



The **Intercompany Relation** with *CRONUS TRIMIT SUB2* – which is another *SUB*.
With this company, I do not have a Purchase-/Sales relation. I just want it to be included in the Availability Check.



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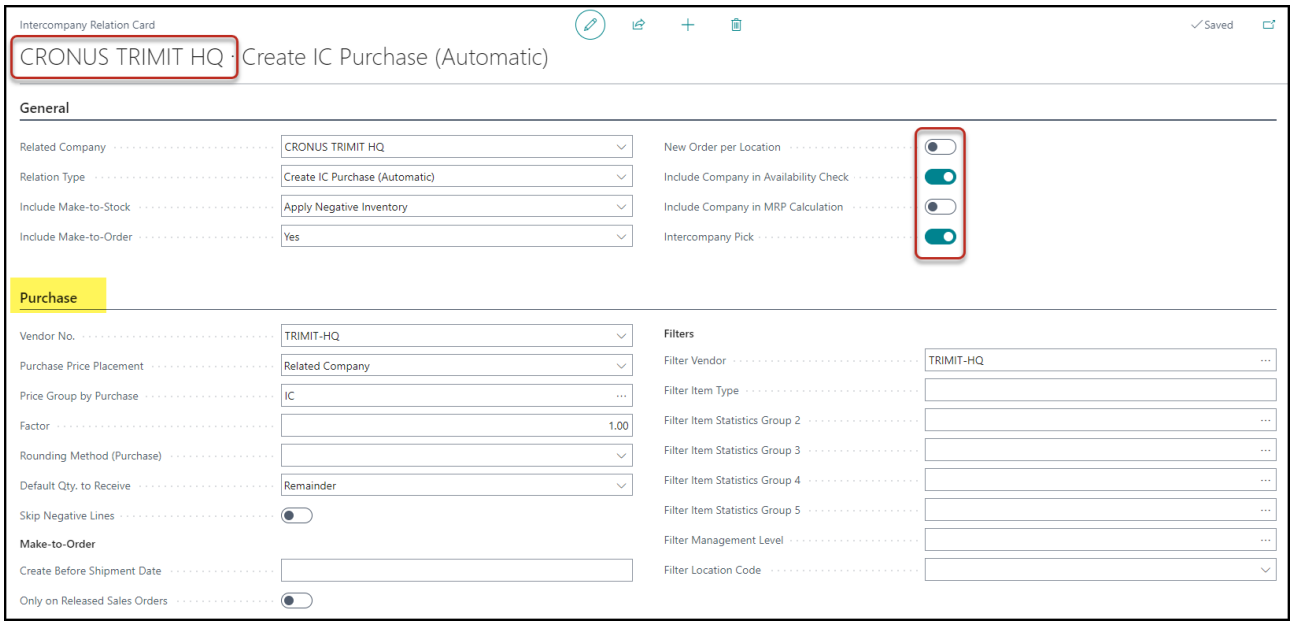
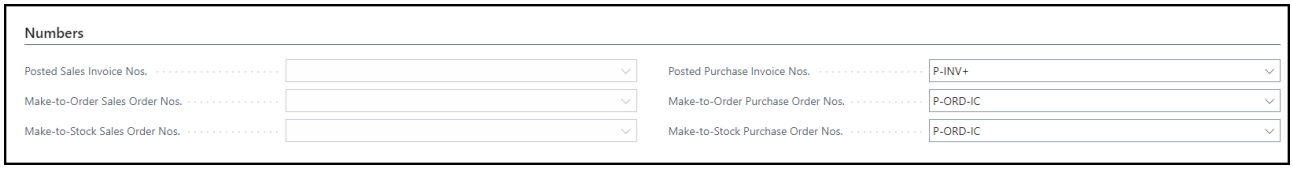
In *SUB2:*

The **Intercompany Relation** with *CRONUS TRIMIT HQ* – which is the *Headquarter*.

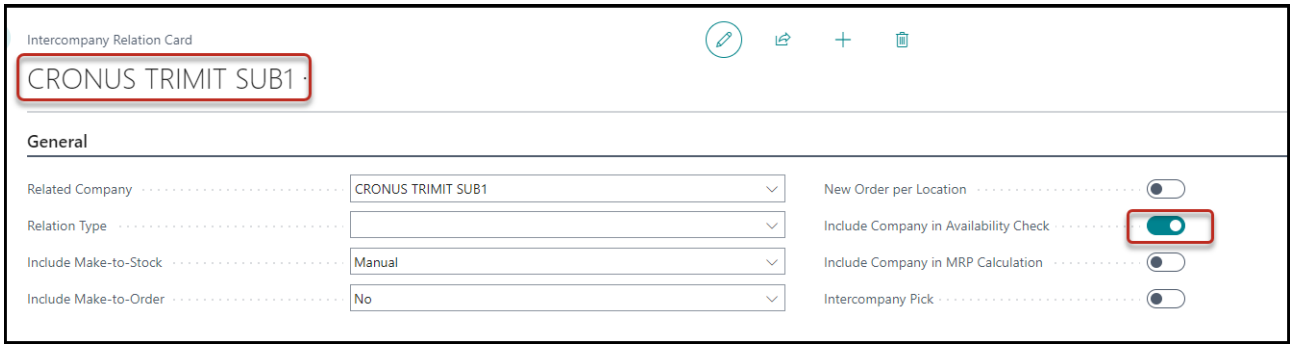
With this company, I have a Purchase relation; I will buy from this company.





The **Intercompany Relation** with *CRONUS TRIMIT SUB1* – which is another *SUB*.

With this company, I do not have a Purchase-/Sales relation. I just want it to be included in the Availability Check.



NOTE

You will see that if you create the **Intercompany Relation** with the *Headquarter*, that some fields in the **Intercompany Relation** will already be filled based on the **Intercompany Relation** that the *SUB* has with the *Headquarter* in the company of the *Headquarter*.

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FASTTAB GENERAL

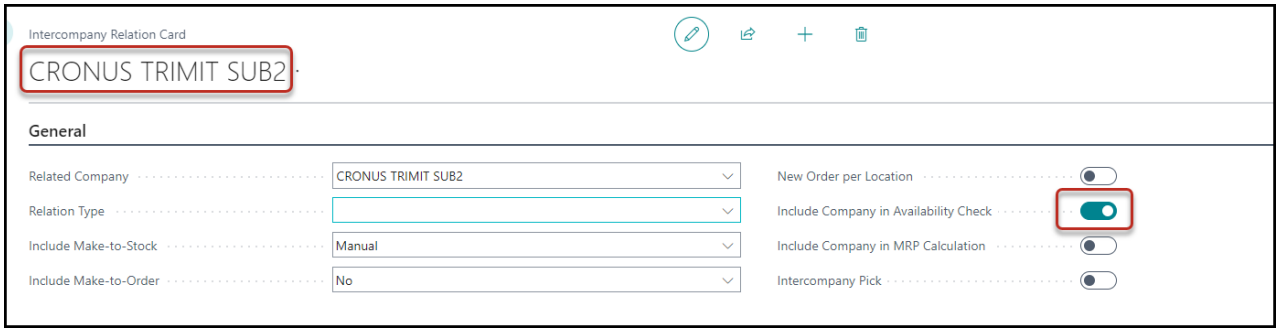
RELATED COMPANY

This is the name of the Company – in the same Database – for which you want to fill the Intercompany Relations.

RELATION TYPE

The **Relation Type** tells you about the relation between the current company (*CRONUS TRIMIT SUB1 or SUB2)* and the **Related Company** (*CRONUS TRIMIT HQ*).
Because the current *SUB1* (or *SUB2)* Company is buying from the **Related Company** (*Headquarter*)**,** you need to choose *Purchase (Automatic).*

You can however also leave it blank if you only want to see the availability in the current *SUB1* Company including the **Related Company** (*i.e., SUB2*), but do not want the system to create automatically Intercompany Orders.
In that case, the only fields you need to fill are as follows i.e.:



INCLUDE MAKE-TO-STOCK

This field determines on which ground the Intercompany Purchase Orders will be generated automatically for Masters/Items that have **Replenishment Policy** set to *Inventory*.
You can choose between the following three options:

Manual	The system does not create **Intercompany Purchase Orders** automatically via the procedure for creating Intercompany Purchase Orders. The Intercompany Purchase Orders need to be entered manually or calculated by using the TRIMIT MRP functionality. The Intercompany Sales Orders in the *Headquarter* will simply be based on the Intercompany Purchase Orders in the *SUB(s).*
Apply Negative Inventory	The system can automatically create **Intercompany Purchase Orders** if there is a **Net Change <>0** for an Item. Assuming this **Net Change** in the Item will be negative (Sales Orders to external customers have been delivered, but no Intercompany Purchase Orders have been received) a new Purchase Order can be created with the quantity *Net Change * -1*
Apply Positive Inventory	The system can automatically create **Intercompany Purchase Orders** in the *SUB* if **Net Change** - **Qty. on Sales Order - Decrease Prod. (Base) > 0** for an Item in the *Headquarter.*
Posted Intercompany Pick	The system can automatically create **Intercompany Purchase Orders** in the *SUB,* based on Posted Pick Documents in the *SUB.*

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NOTE
This field is not important in the *Headquarter*, only in the *SUB(s).*

Manual can be used in any situation of companies in an Intercompany structure.

Apply Negative Inventory can be used in any situation of companies in an Intercompany structure. The idea behind it is that the *SUB(s)* will simply sell based on the Inventory of the *Headquarter* and the Intercompany Purchase Order usually will be created per week or even per month based on the negative Inventory in the *SUB(s).*

Apply Positive Inventory can only be used if there is 1 *Headquarter* (i.e., a producing company) and 1 *SUB* (i.e., selling company) where the *SUB* will simply sell everything that the *Headquarter* is buying/producing and does not need Inventory for their own Sales Orders or Production Orders. Therefore, a positive Inventory in the *Headquarter* will be sold to the *SUB.*

Posted Intercompany Pick can be used if you want the Intercompany Purchase Orders in the *SUB(s)* be based on the Posted Pick Documents in the *SUB(s)*, where an Intercompany Purchase Order will be created per Posted Pick Document. This can give you comparable documents regarding what is shipped by the *Headquarter* to customers of the *SUB(s)* and the Intercompany Purchase Orders in the *SUB(s).*

INCLUDE MAKE-TO-ORDER

This field determines if Items with **Replenishment Policy** set to *Order* will also be included in the automatic creation of the Intercompany Sales Orders.

INTERCOMPANY PER LOCATION

This field determines if you want your Intercompany Purchase Orders created per Location.

A checkmark in this field in the *SUB(s)* means, that a separate Intercompany Purchase Order will be created for each Location Code and the Location Code will be transferred to the Purchase Lines.
If you let this field unchecked in the *SUB(s),* only a single Intercompany Purchase Order will be created.

If the **Vendor No.** of the Intercompany Relations has a **Location Code** attached, this Location Code will be copied to the Purchase Lines with no regards to the Location Codes of the Sales Lines forming the basis for the creation of the Intercompany Purchase Order.
If the **Vendor No.** has no **Location Code** attached, the Location Code fields of the Intercompany Purchase Order will be empty if this field does not have a checkmark.

INCLUDE COMPANY IN AVAILABILITY CHECK

This field determines if the **Availability Check** in the current company *SUB(s)* need to include the availability of the **Related Company** (*Headquarter and other SUB(s)*) as well.

INCLUDE COMPANY IN MRP CALCULATION

This field determines if the MRP Calculation in the current company *SUB(s)* need to include the demand in the **Related Company** (*Headquarter and other SUB(s)*) as well.

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INTERCOMPANY PICK

This field determines if the *Headquarter* should be able to create Pick Documents based on Sales Orders in the current *SUB(s)*. In that case, also this field in the company *Headquarter* should have a checkmark as well.

FASTTAB PURCHASE

VENDOR NO.

Here you need to enter the **Vendor No.** of the **Related Company** (*Headquarter*) in case the **Relation Type** has been set to *Create IC Purchase (Automatic)*.

PURCHASE PRICE PLACEMENT

This field determines how the **Direct Unit Cost** for the Intercompany Purchase Lines needs to be calculated/determined.
You can choose between the following two options:

Current Company	The **Direct Unit Cost** will be based on the Unit Cost of the Item in the *SUB(s)*.
Related Company	The **Direct Unit Cost** will be based on the Sales Prices in the **Price Group by Purchase** in the *Headquarter.*

PRICE GROUP BY PURCHASE

If **Purchase Price Placement** is *Related Company,* you can fill in the **Customer Price Group** for which in the *Headquarter* the Intercompany Unit Price (internal Sale Price) is entered.
The **Customer Price Group** needs to be created in the Headquarter as well as in the SUB(s).
This determined **Unit Price** will be multiplied with the **Factor** and rounded according to the **Rounded Method (Purchase)** to determine the **Direct Unit Cost** in the Purchase Order in the *SUB(s).*

If **Purchase Price Placement** is *Current Company,* this field will not be regarded, and the **Direct Unit Cost** will simply be the **Unit Cost** of the Item in the current company multiplied by the **Factor.**

FACTOR

Entering a **Factor** means that the determined **Direct Unit Cost** can be multiplied with this **Factor.**

ROUNDING METHOD (PURCHASE)

This field can be filled for rounding of the Intercompany **Direct Unit Cost** (internal Purchase Price) if **Purchase Price Placement** is set to *Related Company.*

NOTE

The entries in the above four fields, also give you the possibility to determine i.e., the internal Purchase-/Sales Price based on 25% of the *RETAIL* prices.
In that case, **Purchase Price Placement** should be *Related Company,* **Price Group by Purchase** *RETAIL*, **Factor** *0.25* and perhaps **Rounding Method (Purchase)** *Whole*.

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DEFAULT QTY. TO RECEIVE

This field determines how the **Qty. to Receive** for created Intercompany Purchase Orders in the *SUB(s)* for the **Related Company** should be filled.
You can choose between the following three options:

<empty>	The **Qty. to Receive** will be filled based on the **Default Quantity to Receive** in the **Purchases & Payables Setup**
Remainder	Fills the **Qty. to Receive** field with the Quantity that is remaining on the Sales Line
Blank	Leaves the **Qty. to Receive** field blank.

SKIP NEGATIVE LINES

In case **Include Make-To-Stock** is set to *Apply Negative Inventory* and **Intercompany per Location** is set to *Yes* or a **Filter Location** has been entered, this field determines if the **Net Change** of an Item will be included in the calculation for what to buy from the *Headquarter*.
A checkmark in this field means that i.e., Credit Memos or Returns in the *SUBs* will not be included in the calculation for *Apply Negative Inventory* to determine what to buy from the *Headquarter*.
Without a checkmark, the Credit Memos and Returns in the *SUBs* will be included.

CREATE BEFORE SHIPMENT DATE

This field only influences the creation of Related Intercompany Purchase Orders for a Sales Line based on **Replenishment System** *Order* regardless, if the **Create Related Order Instantly** is set to *Yes* or *No.*
You can enter a Date Formula, i.e., *1W*.
This means, that a Related Intercompany Purchase Order will only be created automatically if the **Work Date** is smaller than the **Shipment Date** plus the **Create Before Shipment Date.**
This is also applicable if the **Create Related Order Instantly** in the Item is set to *Yes.*

ONLY ON RELEASED SALES ORDERS

This field only influences the creation of Related Intercompany Purchase Orders for a Sales Line based on **Replenishment System** *Order* regardless, if the **Create Related Order Instantly** is set to *Yes* or *No.*
Setting a checkmark in this field means, that only a Related Intercompany Purchase Order will be created if the Sales Order is *Released.*

FILTER VENDOR NO

Here you must enter a **Filter** for the **Vendor No.** in the Items for which the Intercompany Purchase Orders will be created in the *SUB(s).* Usually this is the **Vendor No.** that represents the *Headquarter.*

FILTER ITEM TYPE

Here you can enter a **Filter** for the **Item Type** *(Finished Goods, Semi-Finished Goods* or *Raw Material)* in the Items for which the Intercompany Purchase Orders will be created in the *SUB(s).*

FILTER ITEM STATISTICS GROUP 2, 3, 4 AND 5

Here you can enter a **Filter** for the **Item Statistics Group 2, 3, 4** and **5** in the Items for which the Intercompany Purchase Orders will be created in the *SUB(s).*

FILTER MANAGEMENT LEVEL

Here you can enter a **Filter** for the **Management Level** in the Items for which the Intercompany Purchase Orders will be created in the *SUB(s).*

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FILTER LOCATION

Here you can enter a **Filter** for the **Location Code** of the demand for which the Intercompany Purchase Orders will be created in the *SUB(s).*

FASTTAB SALES

The fields on this FastTab are not applicable for the *SUB(s)*.

FASTTAB NUMBERS

For the Intercompany Orders/Invoices you can setup special **No. Series,** but you can also simply use the No. Series that you use in the **Purchase & Payables Setup** for the 'normal' Orders/Invoices.

POSTED PURCHASE INVOICE NOS.

Here you need to enter the **No. Series** for the Intercompany Purchase Invoices.

NOTE

A posted **Intercompany Purchase Order** is a normal **Posted Purchase Invoice** but will have field **Intercompany** set to *Yes.* This field is however not in the page *138 Posted Purchase Invoice* or page *146 Posted Purchase Invoices*; so, you might want to add that to the page.
The same is applicable for the **Posted Purchase Receipt** (pages *136 Posted Purchase Receipt* and *145 Posted Purchase Receipts*).

MAKE-TO-ORDER PURCHASE ORDER NOS.

Here you need to enter the **No. Series** for the Intercompany Purchase Orders that will be created when the **Replenishment Policy** of the Item is *Order*.

MAKE-TO-STOCK PURCHASE ORDER NOS

Here you need to enter the **No. Series** for the Intercompany Purchase Orders that will be created when the **Replenishment Policy** of the Item is *Inventory.*

NOTE 1

An **Intercompany Purchase Orders** will have field **Intercompany** set to *Yes.*
You can see the Intercompany Purchase Orders via the normal Purchase Orders. The field **Intercompany** is however not in the page of Purchase Orders. Therefore, you might want to add that to the page *50 Purchase Header* and/or page *53 Purchase List*.
You can see the **Intercompany Purchase Orders** also via **Search** *Intercompany Purchase Orders***.**
This will only show the Purchase Orders with **Intercompany** set to *Yes.*

NOTE 2

The other fields of this FastTab are not applicable for the *SUB(s).*

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DATA AND PRICES OF MASTERS

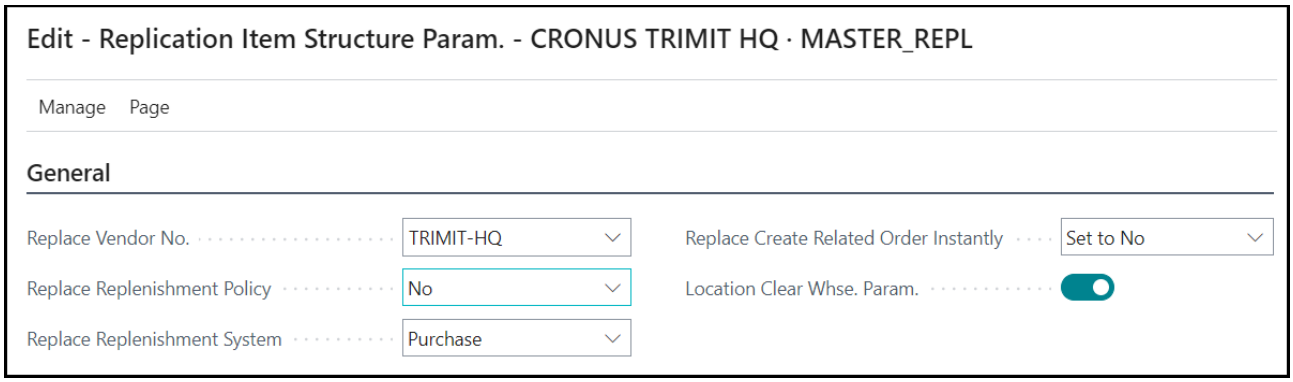
There will be a difference in the fields and prices of the Masters in the different companies.
Usually, the whole design of the Masters will take place in the *Headquarter* and you do not need all that data in the *SUB(s).*
The next topics only apply to the Masters that the *SUB(s)* will buy from the *Headquarter*.

For Masters that the *SUB(s)* will still buy from external Vendors, or that the *SUB(s)* will produce themselves, there will not be a difference.

NOTE
You just need to make sure that these Masters Nos. do not collide with new Master Nos. in the *Headquarter*.

FIELDS ON THE MASTER

For copying the Masters (and all related data) from the *Headquarter* to the *SUB(s)*, we have a special procedure called **Replication**. This can copy data from the *Headquarter* (the so-called **Replication Publisher**) to the *SUB(s)* (the so-called **Replication Subscribers**), but you are also able to change some fields during the copy function in the Replication Subscriber – specifically for Intercompany. I.e.



See the ***White Paper – TRIMIT Replication of Data*** for more details regarding this copy function.

You can find the Master Card via **Masters** (in Role Center TRIMIT Small Business) or via **Search** *Masters.*

FIELDS THAT CAN BE SET BY THE REPLICATION FUNCTION

VENDOR NO.

In the *Headquarter*, it can be any Vendor.
In the *SUB(s),* it might be the same **Vendor No.** as in the **Intercompany Relation** of the *Headquarter***.**

REPLENISHMENT POLICY

In the *Headquarter*, the **Replenishment Policy** can be Inventory or Order.
In the *SUB(s)*, you might always want to handle it as Inventory.

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REPLANISHMENT SYSTEM

In the *Headquarter*, the **Replenishment System** can be *Purchase, Prod. Order* or based on *Automatic Replenishment,* and Masters can have Bill of Materials (BOMs).
In the *SUB(s),* it will only be *Purchase* and no BOMs are required.

CREATE RELATED ORDER INSTANTLY

In the *Headquarter,* the **Create Related Order Instantly** can be *Yes* or *No* to create external Purchase Orders or Production Orders immediately.
In the *SUB(s)*, you might not want to create related orders immediately – an Intercompany Purchase Order – based on every Sales Line.

LOCATION CLEAR WHSE. PARAMETERS

If you are copying the **Locations** from the *Headquarter* to the *SUB(s)*, you might not want to have all the fields regarding WMS filled with checkmarks – because the Logistics of the *SUB(s)* might simply take place in the *Headquarter*.

OTHER FIELDS

Other fields that can be different for the *Headquarter* and the *SUB(s)* (and might be copied via **Replication** function), needs to be customized or changed manually. You can think of the following fields:

COUNTRY/REGION OF ORIGIN CODE

In the *Headquarter,* it depends on where it is bought or produced.
In the *SUB(s),* it will be the Country/Region Code of the *Headquarter.*

DIRECT UNIT COST CALCULATION METHOD

In the *Headquarter*, this field can have the value *Sum Total of Component Direct Unit Costs*.
In the *SUB(s)*, you are simply buying the Master from the *Headquarter* as finished product. The Intercompany Direct Unit Cost (internal Purchase Price) will usually be entered in the **Purchase Prices** of the Masters in the *SUB(s)* or be related to the **Sales Prices** in the *Headquarter* for the customer that represents the *SUB(s).*
This will therefore also be the Calculation Method for the Direct Unit Cost: *Price List.*
Exception can be the Assortments for which you might want to set this field to *Items in Assortment.*

UNIT COST CALCULATION METHOD SALES

In the *Headquarter,* this field can have any value. It simply depends on the way you want the Masters to be valued for your Sales Lines.
In the *SUB(s)*, you might only use *Item Unit Cost* or *Item Unit Cost + VarDim Adjustments*.
Extensive Calculations will usually not take place in the *SUB(s).*
For special customized products, you might still want to use *Related Orders*, but that will simply be the Intercompany Sales-/Purchase Price between *Headquarter* and *SUB(s).*

CALCULATION BASED CALC. UNIT COST

In the *Headquarter,* this field can have any value. It simply depends on the way you want the Masters to be valued for your Inventory.
In the *SUB(s),* it might only be based on *Direct Unit Cost.* The Master will be valued according to the Intercompany Sales-/Purchase Price between *Headquarter* and *SUB(s).*

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PURCHASE PRICES

You can find the Purchase Prices in the Master List or Master Card via ***Related, Purchases, Purchase Prices***.

In the *Headquarter*, it can be the Purchase Prices from external Vendors.

In the *SUB(s)*, the Purchase Price will be the Intercompany Sales-/Purchase Price between *Headquarter* and *SUB(s)*.
You are also able in the **Intercompany Relations** to use the **Sales Prices** of a **Customer Price Group** in the *Headquarter* as the Purchase Prices for the *SUB(s)* (see Price Group by Purchasing). In that case, you do not have to fill the Intercompany Purchase Prices in the *SUB(s).*

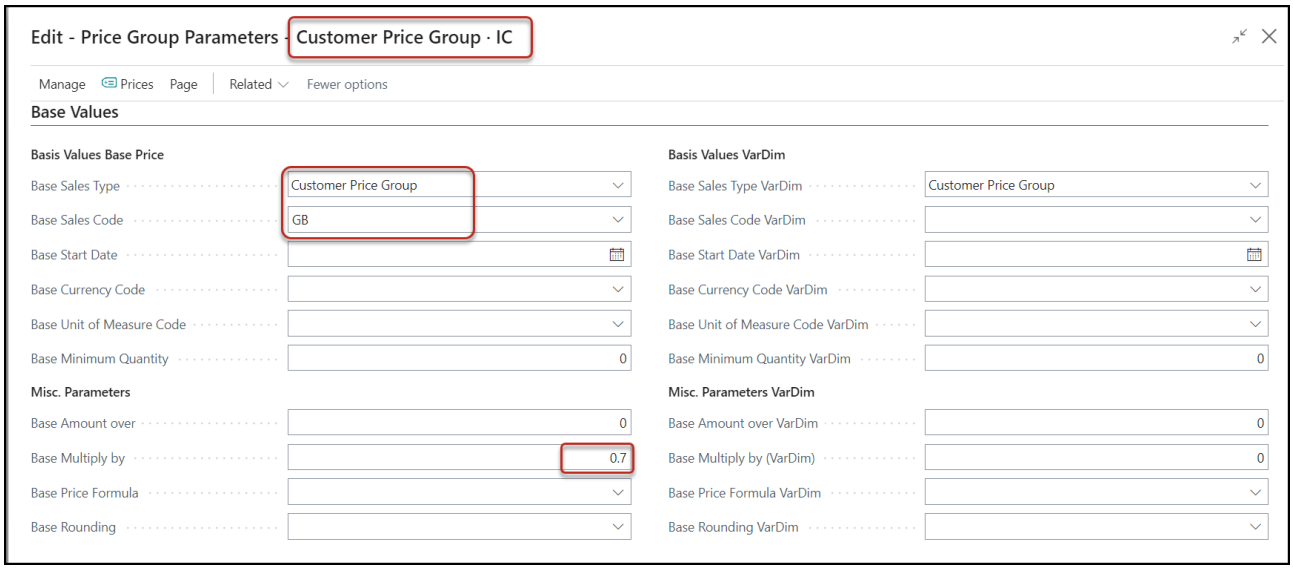
SALES PRICES

You can find the Sales Prices in the Master List or Master Card via ***Related, Sales Receivables, Sales Prices***.

In the *Headquarter,* you can setup the **Sales Prices** for external customers as usual.

For the Intercompany customers (*SUB(s)*) it is common to use a special **Customer Price Group** for the Intercompany Sales Prices. I.e., *IC*

You could even consider specifying this internal **Customer Price Group** based on a common Customer Price Group (i.e., *GB*) for external customers and use a factor: i.e., *0.7.* This would mean that if an external customer needs to pay *10*, the *SUB(s)* only needs to pay *7*.
This way you do not need to enter extra Sales Prices in the *Headquarter* for the *SUB(s)*.



In the *SUB(s),* you can setup the **Sales Prices** for external customers as usual.

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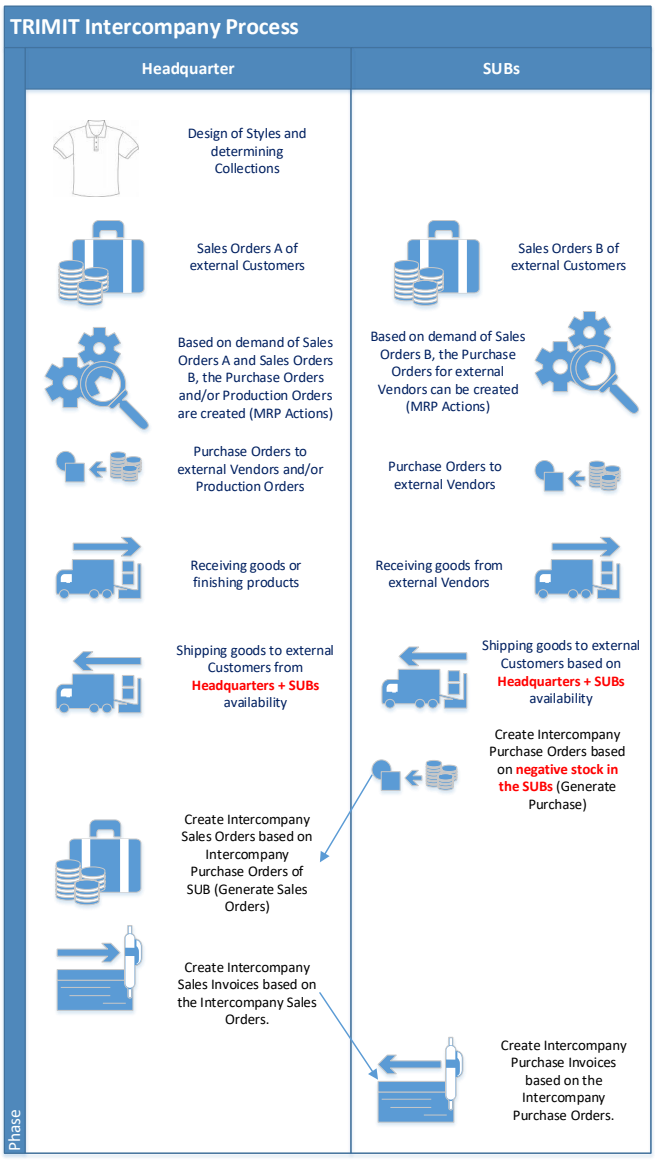
IC PROCESS – APPLY NEGATIVE INVENTORY

This chapter contains information regarding the total process within TRIMIT Intercompany when **Include Make-to-Stock** is set to *Apply Negative Inventory*:

- The *SUB* will ship to external customers based on the total availability of the *Headquarter* and the *SUB.*
- Based on the Negative Inventory that is created in the *SUB* the Intercompany Purchase Order will be created.
- Perhaps the *Headquarter* will even ship it directly to the customers of the *SUB.*
- The *Headquarter* is in this scenario the owner of the inventory.

To describe this process, extra data (besides the setups in the first two chapters) has been added or changed in the *Headquarter* and *SUB1*. You can see an overview in Appendix.

The total process for TRIMIT Intercompany can look as follows in case **Include Make-to-Stock** is set to *Apply Negative Inventory*:



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DESIGN

Design and Sampling usually will only take place in the *Headquarter.* Exception might be Private Label (customized) Items that the *SUB(s)* might sell to their external customers.

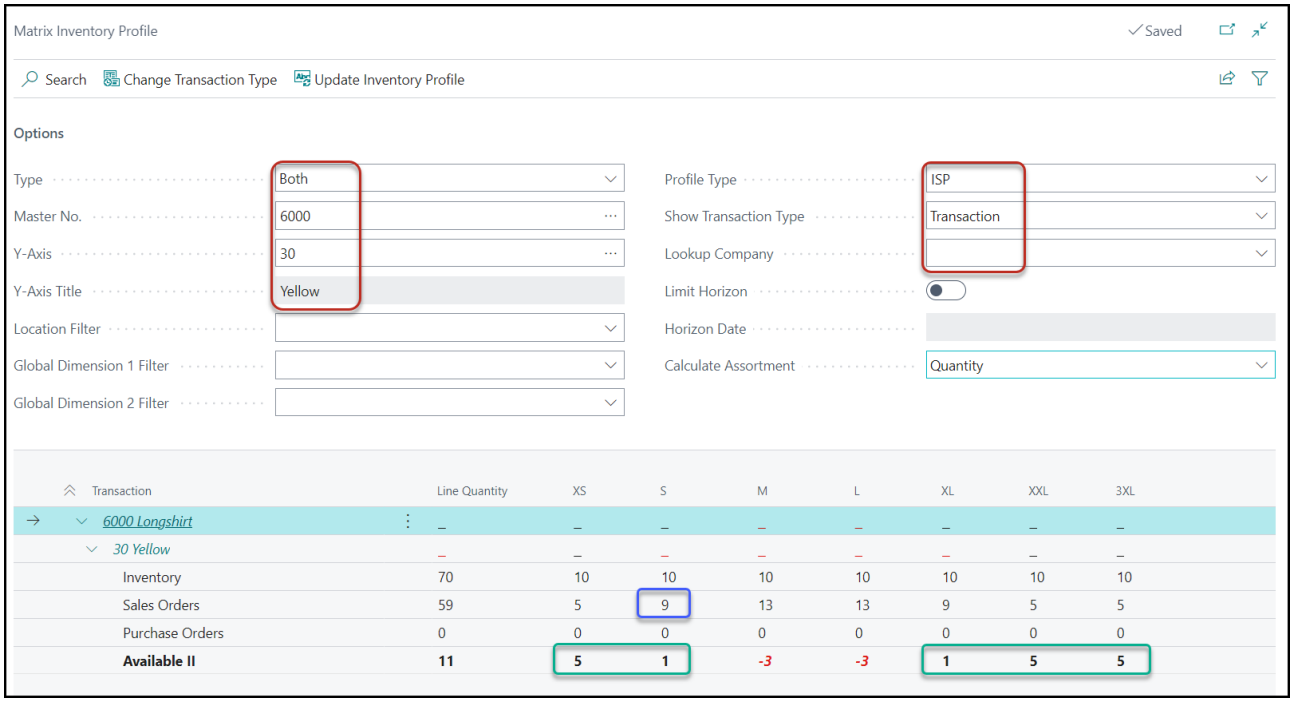
This also implies that information needed for the design phase (Additional Info, Composition, Care Label, Measurements, Workflow and Additional Comments) might only exist in the *Headquarter* and not in the *SUB(s).* Other Master related information (like Collections, Delivery Periods/Shipment Group) will still be needed in the *Headquarter* as well as in the *SUB(s).*

EXTERNAL SALES

In *Headquarter* and the *SUB(s),* the Sales Orders will be entered for the external customers, but you will be able to see the **Availability** over all the companies.
This depends on the field **Include Company in Availability Check** in the **Intercompany Relations.**
This will also influence the Availability Check that takes place when you enter the quantities of the Sales Order.

INVENTORY PROFILE

If you would have entered all the data of the Appendix, the **Inventory Profile** of Master *6000* for the color *40 Yellow*, which you can access via the Master Card via ***Process, Inventory Profile,*** would look like:
In the *Headquarter* Company, where you also have created **Inventory Profile Setup** *ISP* (Inventory, Sales Orders, Purchase Orders)*:*



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Press on the *9* in the **Sales Order/S** cell to see the resource of the *9:*
You will only see the Sales Lines from the *Headquarter* itself.

View - Sales Lines

Search | Show Document | Item Tracking Lines | Reservation Entries

Document Type	Document No.	Sell-to Customer No.	Type	No.	Description	Description 2	Location Code	Reserve	Quantity	Reserved Qty. (Base)	Unit of Measure Code	Line Amount Excl. VAT	Shipment Date	Outstanding Quantity
Order	0100001	2000	Item	60003002	Longshirt	Yellow,S	BLUE	Optional	3	0	PCS	119.97	1/1/2023	3

Change the **Lookup Company** into *CRONUS TRIMIT SUB1* (company name for SUB1).

Matrix Inventory Profile — Saved

Search | Change Transaction Type | Update Inventory Profile

Options

Type	Both	Profile Type	ISP
Master No.	6000	Show Transaction Type	Transaction
Y-Axis	30	Lookup Company	CRONUS TRIMIT SUB1
Y-Axis Title	Yellow	Limit Horizon	
Location Filter		Horizon Date	
Global Dimension 1 Filter		Calculate Assortment	Quantity
Global Dimension 2 Filter			

Transaction	Line Quantity	XS	S	M	L	XL	XXL	3XL
6000 Longshirt	–	–	–	–	–	–	–	–
30 Yellow	–	–	–	–	–	–	–	–
Inventory	70	10	10	10	10	10	10	10
Sales Orders	59	5	9	13	13	9	5	5
Purchase Orders	0	0	0	0	0	0	0	0
Available II	**11**	**5**	**1**	**-3**	**-3**	**1**	**5**	**5**

Now for the same **Sales Order/S** cell you will see the Sales Lines from *SUB1*:

View - Sales Lines

Search | Show Document | Item Tracking Lines | Reservation Entries

Document Type	Document No.	Sell-to Customer No.	Type	No.	Description	Description 2	Location Code	Reserve	Quantity	Reserved Qty. (Base)	Unit of Measure Code	Line Amount Excl. VAT	Shipment Date	Outstanding Quantity
Order	01100001	2010	Item	60003002	Longshirt	Yellow,S	BLUE	Optional	2	0	PCS	79.98	1/1/2023	2
Order	01100002	2020	Item	60003002	Longshirt	Yellow,S	BLUE	Optional	2	0	PCS	79.98	1/1/2023	2
Order	01100003	2030	Item	60003002	Longshirt	Yellow,S	BLUE	Optional	2	0	PCS	79.98	1/1/2023	2

Therefore, *3* from *Headquarter* + *6* from *SUB1* = *9* in total.

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For the other colors it would look like:

Options 6000

Transaction	Line Quantity	XS	S	M	L	XL	XXL	3XL
6000 Longshirt	–	–	–	–	–	–	–	–
30 Yellow	–	–	–	–	–	–	–	–
Inventory	70	10	10	10	10	10	10	10
Sales Orders	59	5	9	13	13	9	5	5
Purchase Orders	0	0	0	0	0	0	0	0
Available II	**11**	**5**	**1**	**-3**	**-3**	**1**	**5**	**5**
60 Forest Green	–	–	–	–	–	–	–	–
Inventory	105	15	15	15	15	15	15	15
Sales Orders	114	12	17	22	22	17	12	12
Purchase Orders	0	0	0	0	0	0	0	0
Available II	**-9**	**3**	**-2**	**-7**	**-7**	**-2**	**3**	**3**
70 Red	–	–	–	–	–	–	–	–
Inventory	140	20	20	20	20	20	20	20
Sales Orders	156	18	23	28	28	23	18	18
Purchase Orders	0	0	0	0	0	0	0	0
Available II	**-16**	**2**	**-3**	**-8**	**-8**	**-3**	**2**	**2**
73 Pink	–	–	–	–	–	–	–	–
Inventory	175	25	25	25	25	25	25	25
Sales Orders	195	24	29	34	34	28	23	23
Purchase Orders	0	0	0	0	0	0	0	0
Available II	**-20**	**1**	**-4**	**-9**	**-9**	**-3**	**2**	**2**

If you now want to enter a new **Sales Order** in any of the companies for the Master *6000,* the Matrix would look like:

Edit - - Sales Order 0100001 - No. 6000 - Longshirt -

Search | Edit List | Matrix Inventory Profile | More options

Variant 1	Variant Description	Line Quantity	XS	S	M	L	XL	XXL	3XL
30	**Yellow**		[5]	[1]	[0]	[0]	[1]	[5]	[5]
60	**Forest Green**		[3]	[0]	[0]	[0]	[0]	[3]	[3]
70	**Red**		[2]	[0]	[0]	[0]	[0]	[2]	[2]
73	**Pink**		[1]	[0]	[0]	[0]	[0]	[2]	[2]

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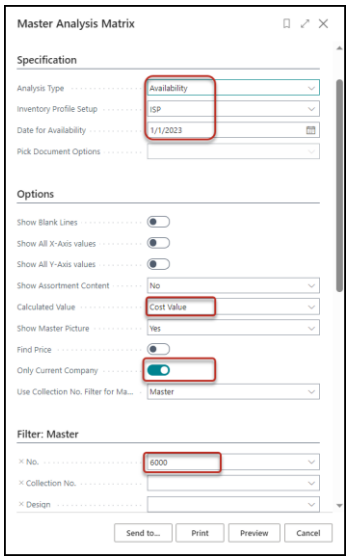
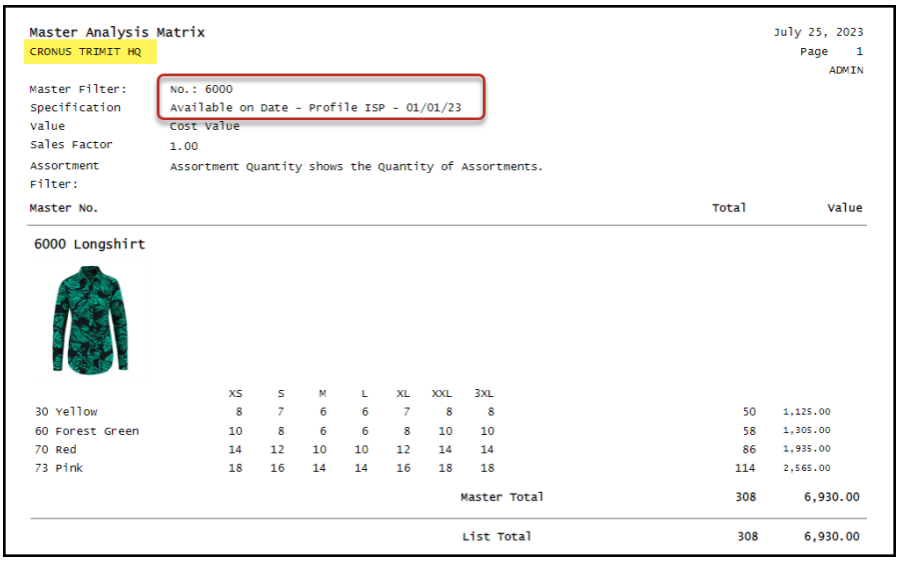
MASTER ANALYSIS MATRIX

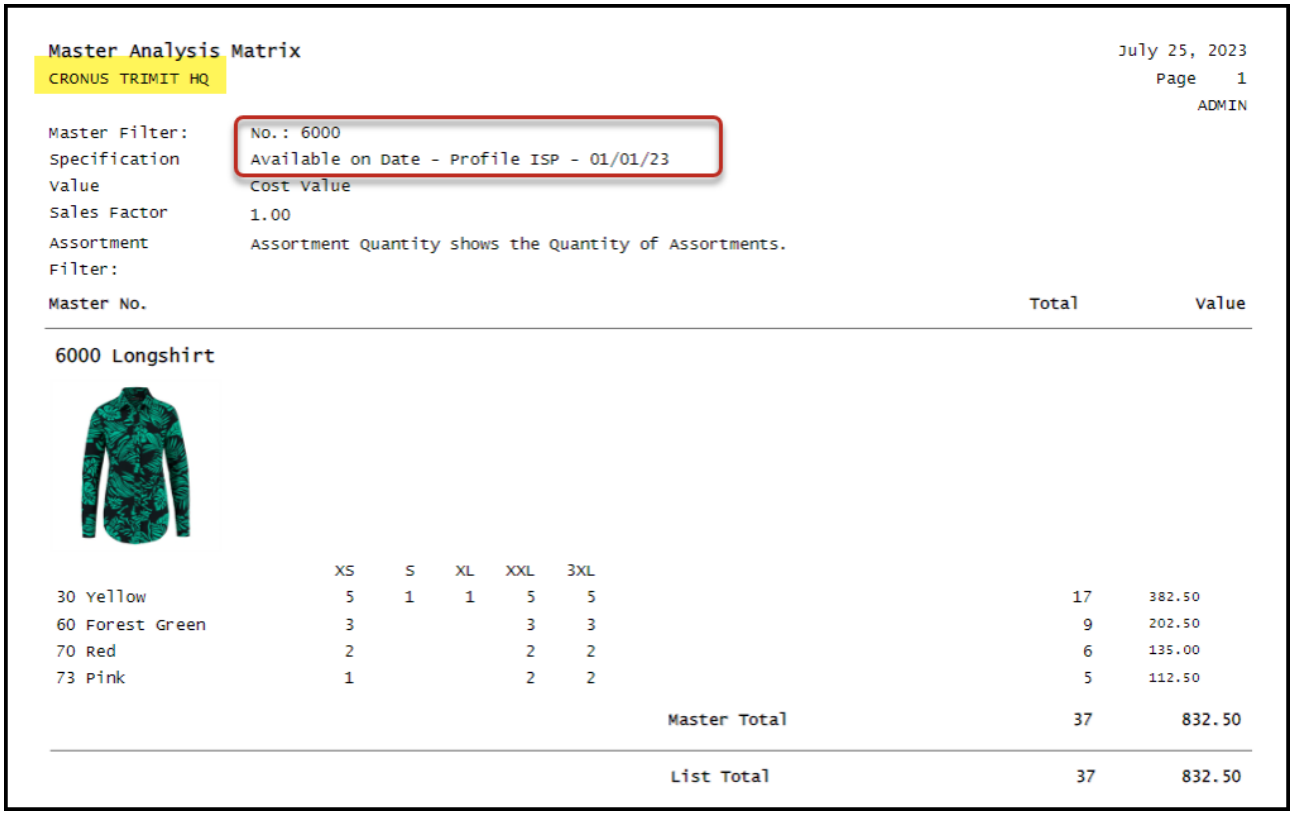
The report **Master Analysis Matrix** which can be found via **Search** *Master Analysis* or via ***Reports, Logistics, Master Analysis Matrix*** in the TRIMIT Small Business Role Center, can also give you an overview of the availability over the companies within an Intercompany structure:

Availability will give you the available quantities at a specific **Date for Availability** in the current company if the **Only Current Company** is set to *Yes:*





But it looks completely different if the **Only Current Company** is set to *No.* In that case, the available quantities will be calculated based on the current company and all other companies in the Intercompany structure that have a checkmark in **Include Company in Availability Check**.



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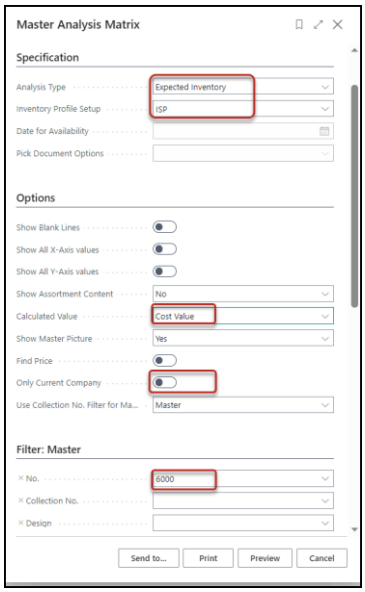
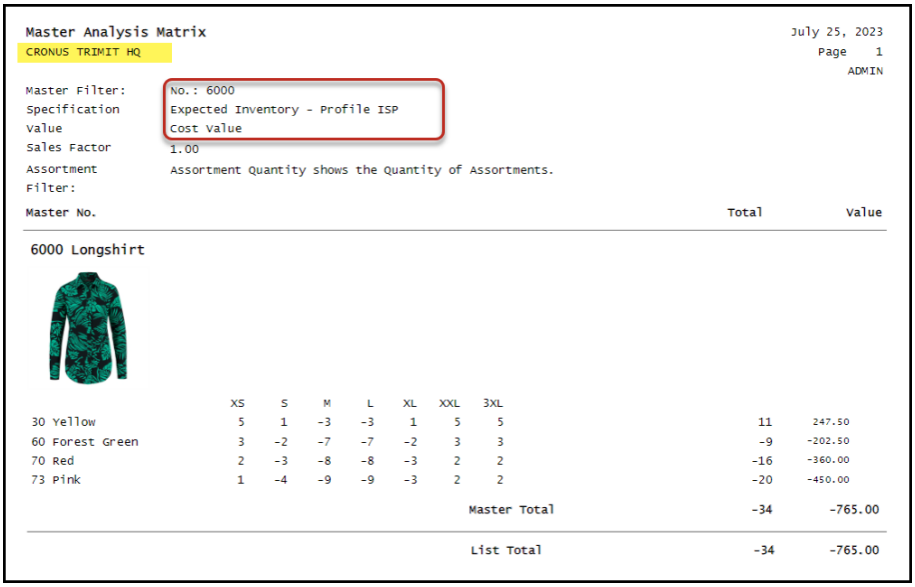
Expected Inventory will also give you the total quantities over the current company and all the companies in the **Intercompany Relations** for which field **Include Company in Availability Check** is set to *Yes* if the **Only Current Company** is set to *No*:



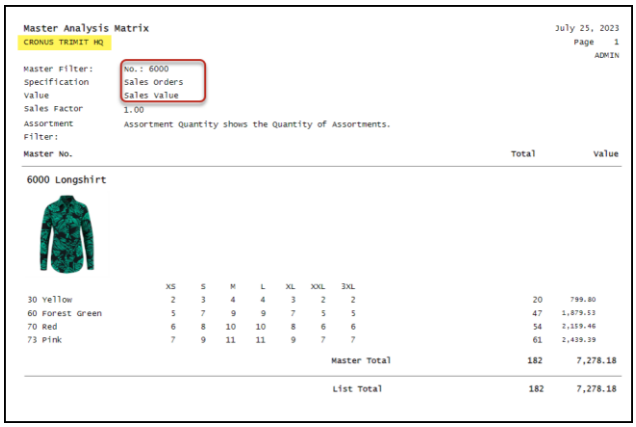


Master Analysis Matrix
CRONUS TRIMIT HQ
July 25, 2023
Page 1
ADMIN

Master Filter: No.: 6000
Specification: Expected Inventory - Profile ISP
Value: Cost Value
Sales Factor: 1.00
Assortment Filter: Assortment Quantity shows the Quantity of Assortments.

Master No.	XS	S	M	L	XL	XXL	3XL	Total	Value
6000 Longshirt									
30 Yellow	5	1	-3	-3	1	5	5	11	247.50
60 Forest Green	3	-2	-7	-7	-2	3	3	-9	-202.50
70 Red	2	-3	-8	-8	-3	2	2	-16	-360.00
73 Pink	1	-4	-9	-9	-3	2	2	-20	-450.00
Master Total								-34	-765.00
List Total								-34	-765.00

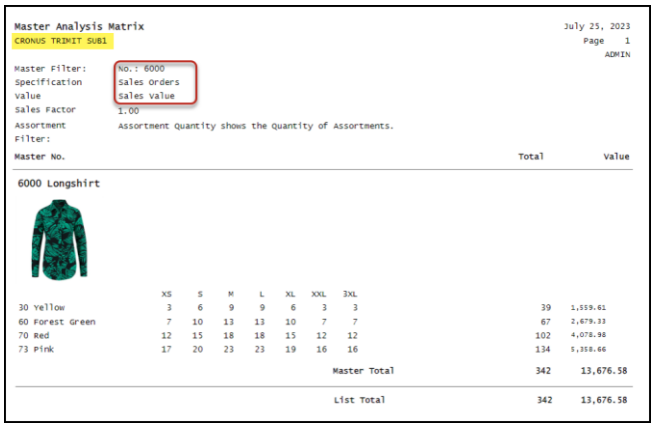
Analysis Type *Sales Orders* will however always only show the sold quantities in the current company:



Master Analysis Matrix
CRONUS TRIMIT HQ
July 25, 2023
Page 1
ADMIN

Master Filter: No.: 6000
Specification: Sales Orders
Value: Sales Value
Sales Factor: 1.00
Assortment Filter: Assortment Quantity shows the Quantity of Assortments.

Master No.	XS	S	M	L	XL	XXL	3XL	Total	Value
6000 Longshirt									
30 Yellow	2	3	4	4	3	2	2	20	799.80
60 Forest Green	5	7	9	9	7	5	5	47	1,879.53
70 Red	6	8	10	10	8	6	6	54	2,159.46
73 Pink	7	9	11	11	9	7	7	61	2,439.39
Master Total								182	7,278.18
List Total								182	7,278.18



Master Analysis Matrix
CRONUS TRIMIT SUB1
July 25, 2023
Page 1
ADMIN

Master Filter: No.: 6000
Specification: Sales Orders
Value: Sales Value
Sales Factor: 1.00
Assortment Filter: Assortment Quantity shows the Quantity of Assortments.

Master No.	XS	S	M	L	XL	XXL	3XL	Total	Value
6000 Longshirt									
30 Yellow	3	6	9	9	6	3	3	39	1,559.61
60 Forest Green	7	10	13	13	10	7	7	67	2,679.33
70 Red	12	15	18	18	15	12	12	102	4,078.98
73 Pink	17	20	23	23	19	16	16	134	5,358.66
Master Total								342	13,676.58
List Total								342	13,676.58

In addition, **Analysis Type** *Pick Document* will also only show the quantities on Pick Documents in the current company.

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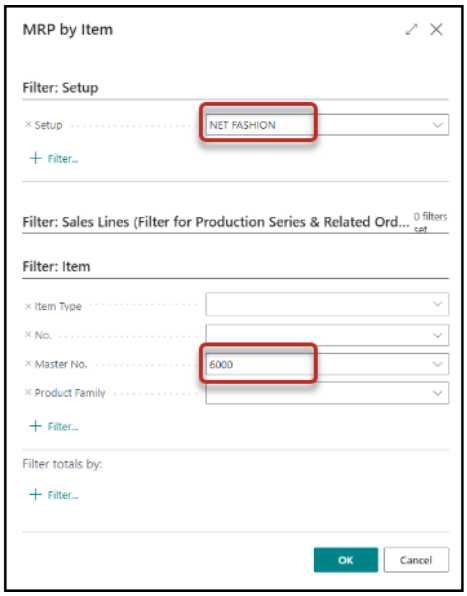
MRP CALCULATION

Running the **MRP Calculation** via **Search** *MRP Actions* or clicking ***Task, MRP Actions*** in the TRIMIT Small Business Role Center, will have different outcomes if you run it in the *Headquarter* or in the *SUB(s)* based on the field **Include Company in MRP Calculation** in the **Intercompany Relations**.
For more details, see ***White Paper – TRIMIT Material Requirement Planning***.

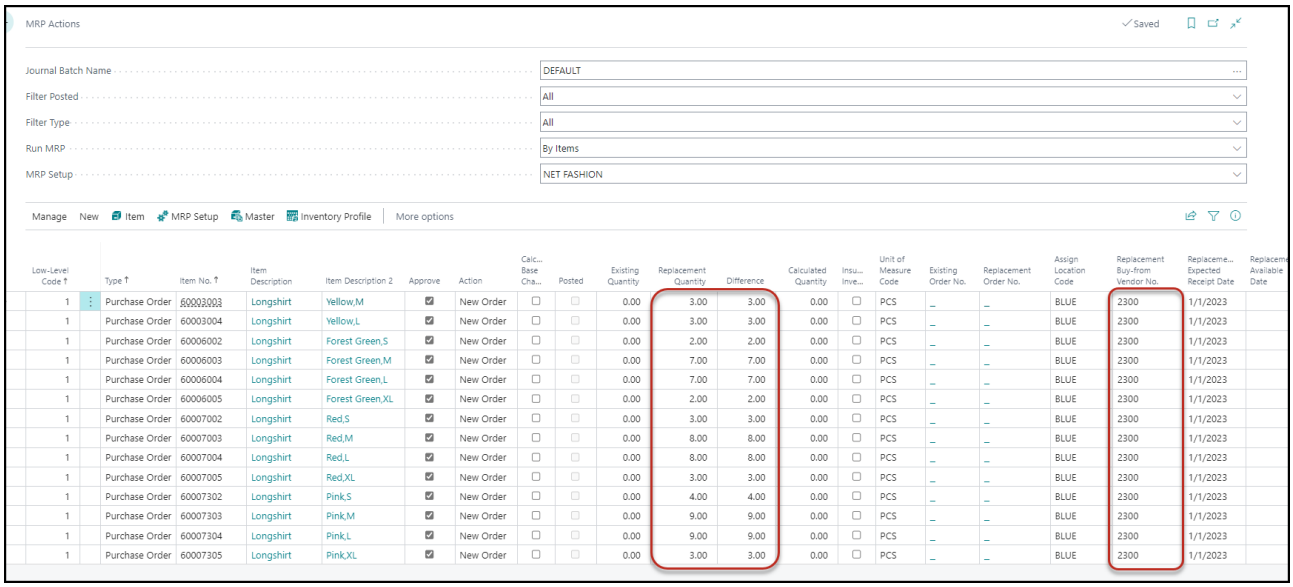
IN HEADQUARTER

Based on the settings in your **MRP Setup** and the field **Include Company in MRP Calculation** in the **Intercompany Relations**, orders can be created based on the demand in the *Headquarter* including the companies in the **Intercompany Relations** with the **Relation Type** *Sales (Automatic)* within the Intercompany structure:

I.e., if you create **Actions** based on *By Items* for the **Master No.** *6000* in the *Headquarter:*



The outcome would look like:



Low-Level Code	Type	Item No.	Item Description	Item Description 2	Approve	Action	Calc... Base Cha...	Posted	Existing Quantity	Replacement Quantity	Difference	Calculated Quantity	Insu... Inve...	Unit of Measure Code	Existing Order No.	Replacement Order No.	Assign Location Code	Replacement Buy-from Vendor No.	Replaceme... Expected Receipt Date	Replaceme... Available Date
1	Purchase Order	60003003	Longshirt	Yellow,M	☑	New Order	☐	☐	0.00	3.00	3.00	0.00	☐	PCS	_	_	BLUE	2300	1/1/2023	
1	Purchase Order	60003004	Longshirt	Yellow,L	☑	New Order	☐	☐	0.00	3.00	3.00	0.00	☐	PCS	_	_	BLUE	2300	1/1/2023	
1	Purchase Order	60006002	Longshirt	Forest Green,S	☑	New Order	☐	☐	0.00	2.00	2.00	0.00	☐	PCS	_	_	BLUE	2300	1/1/2023	
1	Purchase Order	60006003	Longshirt	Forest Green,M	☑	New Order	☐	☐	0.00	7.00	7.00	0.00	☐	PCS	_	_	BLUE	2300	1/1/2023	
1	Purchase Order	60006004	Longshirt	Forest Green,L	☑	New Order	☐	☐	0.00	7.00	7.00	0.00	☐	PCS	_	_	BLUE	2300	1/1/2023	
1	Purchase Order	60006005	Longshirt	Forest Green,XL	☑	New Order	☐	☐	0.00	2.00	2.00	0.00	☐	PCS	_	_	BLUE	2300	1/1/2023	
1	Purchase Order	60007002	Longshirt	Red,S	☑	New Order	☐	☐	0.00	3.00	3.00	0.00	☐	PCS	_	_	BLUE	2300	1/1/2023	
1	Purchase Order	60007003	Longshirt	Red,M	☑	New Order	☐	☐	0.00	8.00	8.00	0.00	☐	PCS	_	_	BLUE	2300	1/1/2023	
1	Purchase Order	60007004	Longshirt	Red,L	☑	New Order	☐	☐	0.00	8.00	8.00	0.00	☐	PCS	_	_	BLUE	2300	1/1/2023	
1	Purchase Order	60007005	Longshirt	Red,XL	☑	New Order	☐	☐	0.00	3.00	3.00	0.00	☐	PCS	_	_	BLUE	2300	1/1/2023	
1	Purchase Order	60007302	Longshirt	Pink,S	☑	New Order	☐	☐	0.00	4.00	4.00	0.00	☐	PCS	_	_	BLUE	2300	1/1/2023	
1	Purchase Order	60007303	Longshirt	Pink,M	☑	New Order	☐	☐	0.00	9.00	9.00	0.00	☐	PCS	_	_	BLUE	2300	1/1/2023	
1	Purchase Order	60007304	Longshirt	Pink,L	☑	New Order	☐	☐	0.00	9.00	9.00	0.00	☐	PCS	_	_	BLUE	2300	1/1/2023	
1	Purchase Order	60007305	Longshirt	Pink,XL	☑	New Order	☐	☐	0.00	3.00	3.00	0.00	☐	PCS	_	_	BLUE	2300	1/1/2023	

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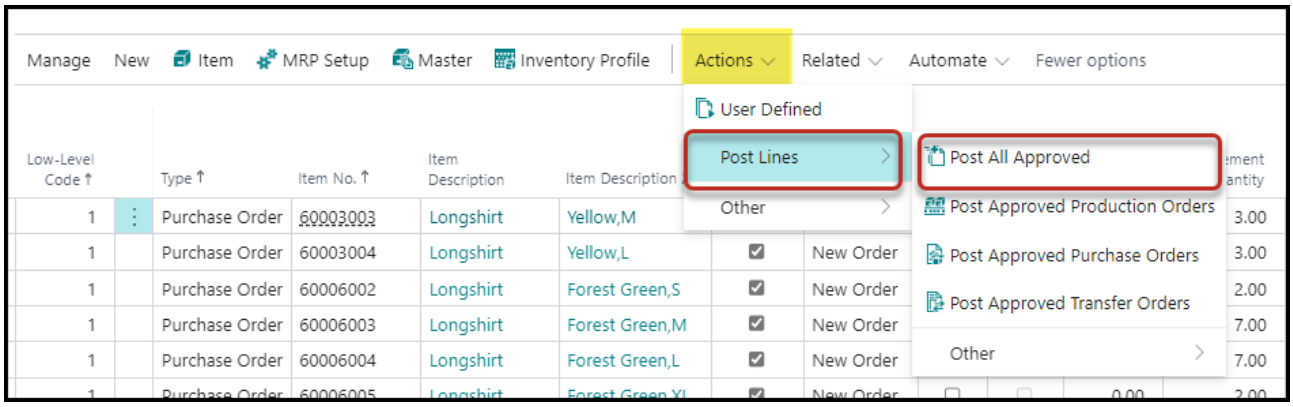
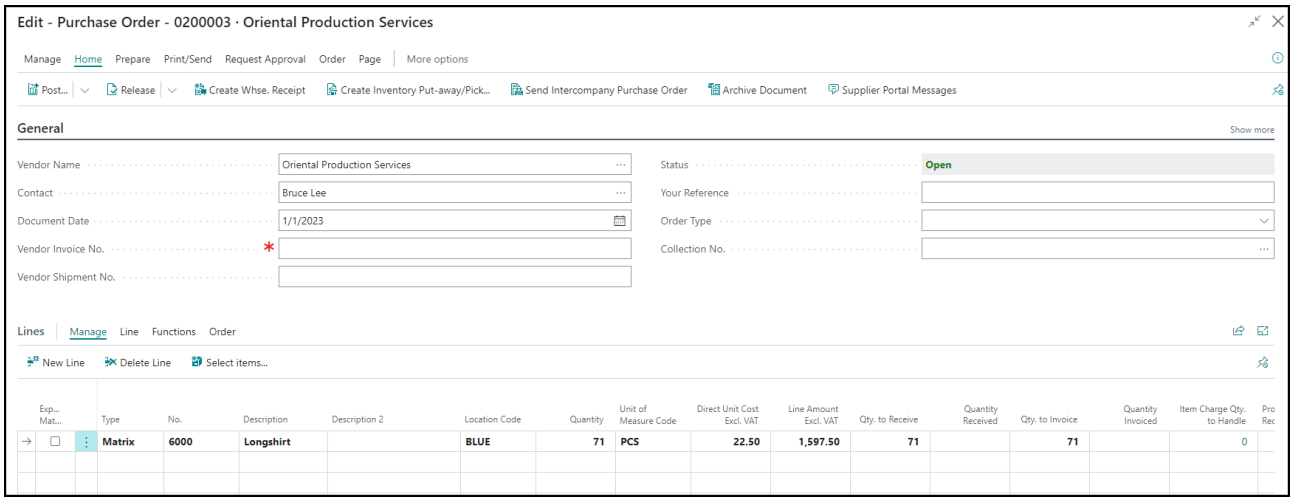
In the Action Lines, the **Replacement Quantity** is the needed quantity over all the companies in the Intercompany structure.
To be more specific: The MRP Calculation in the *Headquarter* will result in Purchase Requisitions (Quotes), Purchase Orders and/or Production Orders for all Items, where the **Replacement Quantity** is based on the demand in *Headquarter* and the companies that are in the **Intercompany Relations** with **Relation Type** *Sales (Automatic)* and **Include Company in MRP Calculation** set to *Yes.*
The **Replacement Buy-from Vendor No.** is the (external) Vendor from the Item Card.

According to the **MRP Setup** *NET FASHION,* a **Purchase Order** will be created (when you click ***Actions, Post Lines, Post All Approved.***





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IN SUB(S)

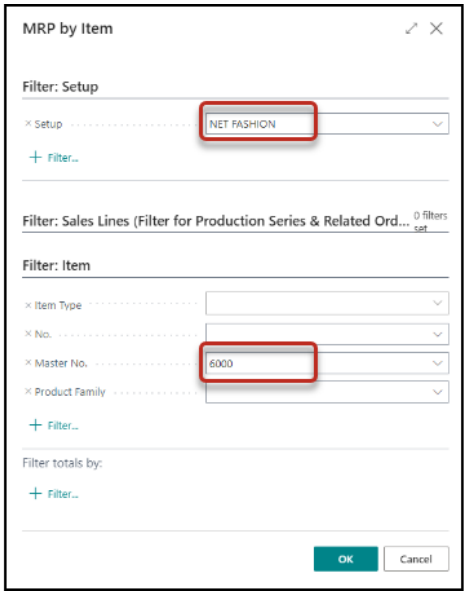
NOTE 1

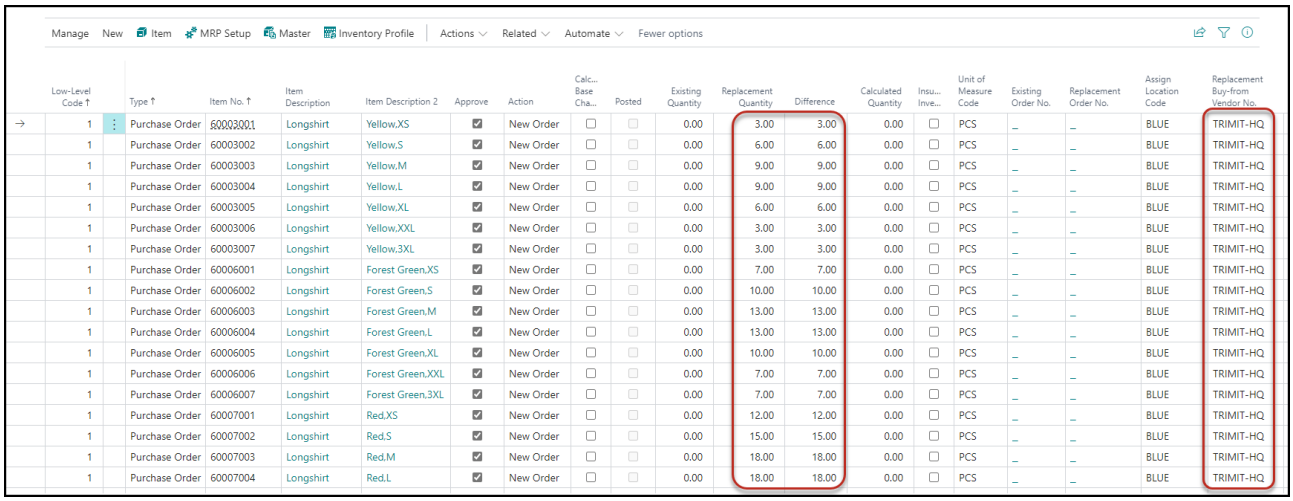
Keep in mind that the *Headquarter* in the **Intercompany Relations** has the **Relation Type** set to *Create IC Purchase (Automatic)* and **Include Company in MRP Calculation** set to *No*.

NOTE 2

When using the **Include Make-to-Stock** set to *Apply Negative Inventory,* you will not run the **MRP Actions** for the Vendor of the *Headquarter*. In that case, you will create the **Intercompany Purchase Order** based on created Negative Inventory, because you shipped to customers based on the Inventory of the *Headquarter*.

Running **MRP Actions** in *SUB1* for Master *6000* would however result in the following:





Low-Level Code	Type	Item No.	Item Description	Item Description 2	Approve	Action	Calc... Base Cha...	Posted	Existing Quantity	Replacement Quantity	Difference	Calculated Quantity	Insu... Inve...	Unit of Measure Code	Existing Order No.	Replacement Order No.	Assign Location Code	Replacement Buy-from Vendor No.
1	Purchase Order	60003001	Longshirt	Yellow,XS	☑	New Order	☐	☐	0.00	3.00	3.00	0.00	☐	PCS	_	_	BLUE	TRIMIT-HQ
1	Purchase Order	60003002	Longshirt	Yellow,S	☑	New Order	☐	☐	0.00	6.00	6.00	0.00	☐	PCS	_	_	BLUE	TRIMIT-HQ
1	Purchase Order	60003003	Longshirt	Yellow,M	☑	New Order	☐	☐	0.00	9.00	9.00	0.00	☐	PCS	_	_	BLUE	TRIMIT-HQ
1	Purchase Order	60003004	Longshirt	Yellow,L	☑	New Order	☐	☐	0.00	9.00	9.00	0.00	☐	PCS	_	_	BLUE	TRIMIT-HQ
1	Purchase Order	60003005	Longshirt	Yellow,XL	☑	New Order	☐	☐	0.00	6.00	6.00	0.00	☐	PCS	_	_	BLUE	TRIMIT-HQ
1	Purchase Order	60003006	Longshirt	Yellow,XXL	☑	New Order	☐	☐	0.00	3.00	3.00	0.00	☐	PCS	_	_	BLUE	TRIMIT-HQ
1	Purchase Order	60003007	Longshirt	Yellow,3XL	☑	New Order	☐	☐	0.00	3.00	3.00	0.00	☐	PCS	_	_	BLUE	TRIMIT-HQ
1	Purchase Order	60006001	Longshirt	Forest Green,XS	☑	New Order	☐	☐	0.00	7.00	7.00	0.00	☐	PCS	_	_	BLUE	TRIMIT-HQ
1	Purchase Order	60006002	Longshirt	Forest Green,S	☑	New Order	☐	☐	0.00	10.00	10.00	0.00	☐	PCS	_	_	BLUE	TRIMIT-HQ
1	Purchase Order	60006003	Longshirt	Forest Green,M	☑	New Order	☐	☐	0.00	13.00	13.00	0.00	☐	PCS	_	_	BLUE	TRIMIT-HQ
1	Purchase Order	60006004	Longshirt	Forest Green,L	☑	New Order	☐	☐	0.00	13.00	13.00	0.00	☐	PCS	_	_	BLUE	TRIMIT-HQ
1	Purchase Order	60006005	Longshirt	Forest Green,XL	☑	New Order	☐	☐	0.00	10.00	10.00	0.00	☐	PCS	_	_	BLUE	TRIMIT-HQ
1	Purchase Order	60006006	Longshirt	Forest Green,XXL	☑	New Order	☐	☐	0.00	7.00	7.00	0.00	☐	PCS	_	_	BLUE	TRIMIT-HQ
1	Purchase Order	60006007	Longshirt	Forest Green,3XL	☑	New Order	☐	☐	0.00	7.00	7.00	0.00	☐	PCS	_	_	BLUE	TRIMIT-HQ
1	Purchase Order	60007001	Longshirt	Red,XS	☑	New Order	☐	☐	0.00	12.00	12.00	0.00	☐	PCS	_	_	BLUE	TRIMIT-HQ
1	Purchase Order	60007002	Longshirt	Red,S	☑	New Order	☐	☐	0.00	15.00	15.00	0.00	☐	PCS	_	_	BLUE	TRIMIT-HQ
1	Purchase Order	60007003	Longshirt	Red,M	☑	New Order	☐	☐	0.00	18.00	18.00	0.00	☐	PCS	_	_	BLUE	TRIMIT-HQ
1	Purchase Order	60007004	Longshirt	Red,L	☑	New Order	☐	☐	0.00	18.00	18.00	0.00	☐	PCS	_	_	BLUE	TRIMIT-HQ

The **Replacement Quantity** is the needed quantity in the current company and the **Replacement Buy-from Vendor No.** is the (external) Vendor No. of the Item Card.

The system will recognize that this is the **Vendor No.** in the Intercompany Relations with **Relation Type** is *Purchase (Automatic)* and if you **Post** the MRP Actions, the field **Intercompany** of the created Purchase Order will be set to *Yes.*

This will even happen if you want Requisitions to be created according to the MRP Setup!

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Manage New Item MRP Setup Master Inventory Profile | Actions Related Automate Fewer options

Low-Level Code	Type	Item No.	Item Description	Item Description 2	Approve	Action	Calc... Base Cha...	Posted	Existing Quantity	Replacement Quantity	Difference	Calculated Quantity	Insu... Inve...	Unit of Measure Code	Existing Order No.	Replacement Order No.	Assign Location Code	Replacement Buy-from Vendor No.	Repl Expe Rece
1	Purchase Order	60003001	Longshirt	Yellow,XS	☑	New Order	☐	☑	0.00	3.00	3.00	0.00	☐	PCS	_	ICP100001	BLUE	TRIMIT-HQ	1
1	Purchase Order	60003002	Longshirt	Yellow,S	☑	New Order	☐	☑	0.00	6.00	6.00	0.00	☐	PCS	_	ICP100001	BLUE	TRIMIT-HQ	1
1	Purchase Order	60003003	Longshirt	Yellow,M	☑	New Order	☐	☑	0.00	9.00	9.00	0.00	☐	PCS	_	ICP100001	BLUE	TRIMIT-HQ	1
1	Purchase Order	60003004	Longshirt	Yellow,L	☑	New Order	☐	☑	0.00	9.00	9.00	0.00	☐	PCS	_	ICP100001	BLUE	TRIMIT-HQ	1
1	Purchase Order	60003005	Longshirt	Yellow,XL	☑	New Order	☐	☑	0.00	6.00	6.00	0.00	☐	PCS	_	ICP100001	BLUE	TRIMIT-HQ	1
1	Purchase Order	60003006	Longshirt	Yellow,XXL	☑	New Order	☐	☑	0.00	3.00	3.00	0.00	☐	PCS	_	ICP100001	BLUE	TRIMIT-HQ	1
1	Purchase Order	60003007	Longshirt	Yellow,3XL	☑	New Order	☐	☑	0.00	3.00	3.00	0.00	☐	PCS	_	ICP100001	BLUE	TRIMIT-HQ	1
1	Purchase Order	60006001	Longshirt	Forest Green,XS	☑	New Order	☐	☑	0.00	7.00	7.00	0.00	☐	PCS	_	ICP100001	BLUE	TRIMIT-HQ	1
1	Purchase Order	60006002	Longshirt	Forest Green,S	☑	New Order	☐	☑	0.00	10.00	10.00	0.00	☐	PCS	_	ICP100001	BLUE	TRIMIT-HQ	1
1	Purchase Order	60006003	Longshirt	Forest Green,M	☑	New Order	☐	☑	0.00	13.00	13.00	0.00	☐	PCS	_	ICP100001	BLUE	TRIMIT-HQ	1
1	Purchase Order	60006004	Longshirt	Forest Green,L	☑	New Order	☐	☑	0.00	13.00	13.00	0.00	☐	PCS	_	ICP100001	BLUE	TRIMIT-HQ	1
1	Purchase Order	60006005	Longshirt	Forest Green,XL	☑	New Order	☐	☑	0.00	10.00	10.00	0.00	☐	PCS	_	ICP100001	BLUE	TRIMIT-HQ	1
1	Purchase Order	60006006	Longshirt	Forest Green,XXL	☑	New Order	☐	☑	0.00	7.00	7.00	0.00	☐	PCS	_	ICP100001	BLUE	TRIMIT-HQ	1
1	Purchase Order	60006007	Longshirt	Forest Green,3XL	☑	New Order	☐	☑	0.00	7.00	7.00	0.00	☐	PCS	_	ICP100001	BLUE	TRIMIT-HQ	1
1	Purchase Order	60007001	Longshirt	Red,XS	☑	New Order	☐	☑	0.00	12.00	12.00	0.00	☐	PCS	_	ICP100001	BLUE	TRIMIT-HQ	1
1	Purchase Order	60007002	Longshirt	Red,S	☑	New Order	☐	☑	0.00	15.00	15.00	0.00	☐	PCS	_	ICP100001	BLUE	TRIMIT-HQ	1
1	Purchase Order	60007003	Longshirt	Red,M	☑	New Order	☐	☑	0.00	18.00	18.00	0.00	☐	PCS	_	ICP100001	BLUE	TRIMIT-HQ	1
1	Purchase Order	60007004	Longshirt	Red,L	☑	New Order	☐	☑	0.00	18.00	18.00	0.00	☐	PCS	_	ICP100001	BLUE	TRIMIT-HQ	1

You can see this Intercompany Purchase Order via the usual Purchase Orders but also via the special **Intercompany Purchase Orders** that can be found by using **Search** *Intercompany purchase***.**

Purchase Orders | Purchase Quotes | Purchase Invoices | Purchase Credit Memos | Vendors | Items | Purchase Analysis Reports | Purchase Journals

No.	Buy-from Vendor No.	Buy-from Vendor Name	Vendor Authorizati... No.	Order Type	Collection No.	Location Code	Assigned User ID	Document Date
106005	50000	Nod Publishers						4/11/2023
ICP100001	TRIMIT-HQ	TRIMIT Intercompany Headquarter Vendor				BLUE		1/1/2023
PU0001	2300	Oriental Production Services				BLUE		6/30/2023

Intercompany Purchase Orders

Search New Manage Home Request Approval More options

Post... Post and Print... Statistics Post Batch...

No.	Buy-from Vendor No.	Buy-from Vendor Name	Vendor Authorizati... No.	Location Code	Assigned User ID	Document Date	Amount	Amount Including VAT	Vendor Order No.
ICP100001	TRIMIT-HQ	TRIMIT Intercompany Headquarter Vendor		BLUE		1/1/2023	11,970.00	14,962.50	

Purchase Order

ICP100001 · TRIMIT Intercompany Headquarter Vendor

Home Prepare Print/Send Request Approval Order More options

Post... Release Create Whse. Receipt Create Inventory Put-away/Pick... Send Interco

General

Lines Manage Line Functions Order

New Line Delete Line Select items...

Exp... Mat...	Type	No.	Description	Description 2	Location Code	Quantity	Unit of Measure Code	Direct Unit Cost Excl. VAT	Line Amount Excl. VAT	Qty. to Receive	Quantity Received	Qty. to Invoice	Quantity Invoiced	Item Charge Qty. to Handle	Pro Rec
☐	Matrix	6000	Longshirt		BLUE	342	PCS	35.00	11,970.00	342		342		0	

Saved

Edit - - Purchase Order ICP100001 - No. 6000 - Longshirt -

Search Edit List Matrix Inventory Profile More options

Variant 1	Variant Description	Line Quantity	XS	S	M	L	XL	XXL	3XL
30	Yellow	39	3	6	9	9	6	3	3
60	Forest green	67	7	10	13	13	10	7	7
70	Red	102	12	15	18	18	15	12	12
73	Pink	134	17	20	23	23	19	16	16

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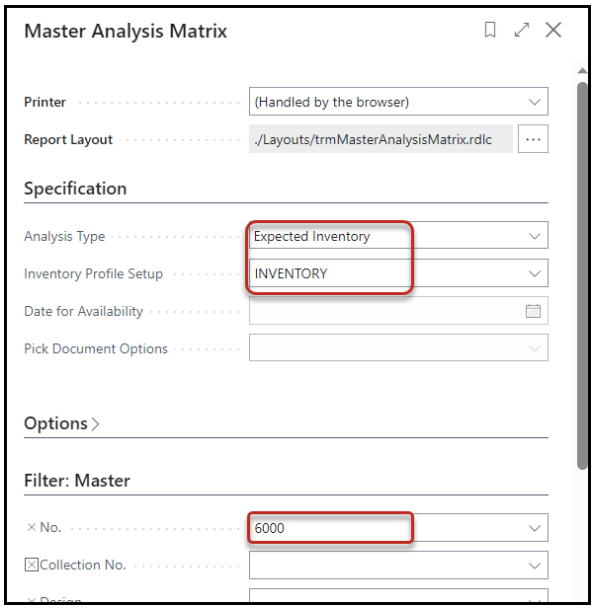
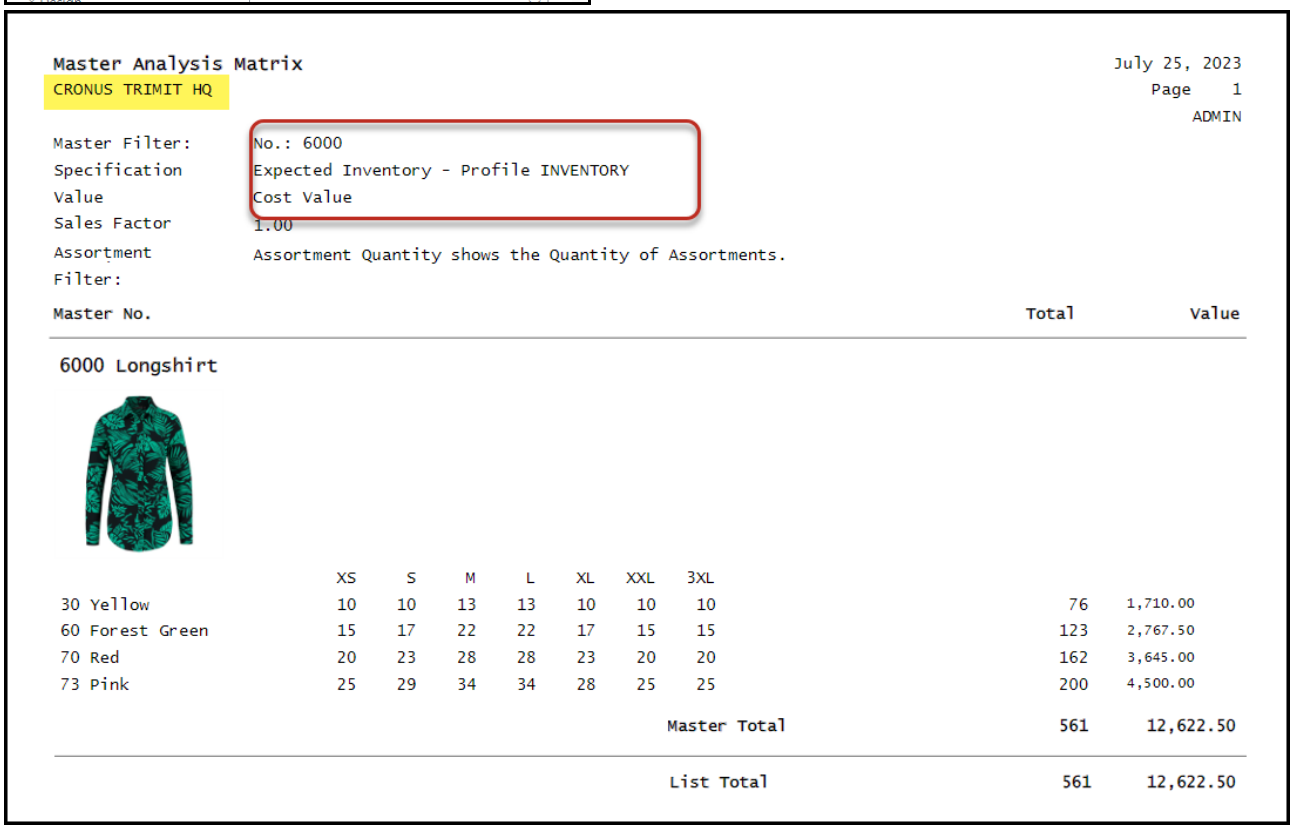
EXTERNAL PURCHASE ORDERS / PRODUCTION ORDERS

The procedure to manage external Purchase Orders or Production Orders in the *Headquarter* or the *SUB(s)* does not change within the Intercompany structure in comparison to the handling in 'normal' companies.

For our example and setups for Intercompany, it would mean that we could simply post the receipt and invoice of the external Purchase Order (*0200003* created in In Headquarter) in the company *CRONUS TRIMIT-HQ* of the *Headquarter.*

This means that the Inventory in *Headquarter* will change:





Master Analysis Matrix
CRONUS TRIMIT HQ

July 25, 2023
Page 1
ADMIN

Master Filter: No.: 6000
Specification Expected Inventory - Profile INVENTORY
Value Cost Value
Sales Factor 1.00
Assortment Assortment Quantity shows the Quantity of Assortments.
Filter:

6000 Longshirt

Master No.	XS	S	M	L	XL	XXL	3XL	Total	Value
30 Yellow	10	10	13	13	10	10	10	76	1,710.00
60 Forest Green	15	17	22	22	17	15	15	123	2,767.50
70 Red	20	23	28	28	23	20	20	162	3,645.00
73 Pink	25	29	34	34	28	25	25	200	4,500.00
							Master Total	561	12,622.50
							List Total	561	12,622.50

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PICK DOCUMENTS / SHIPMENTS

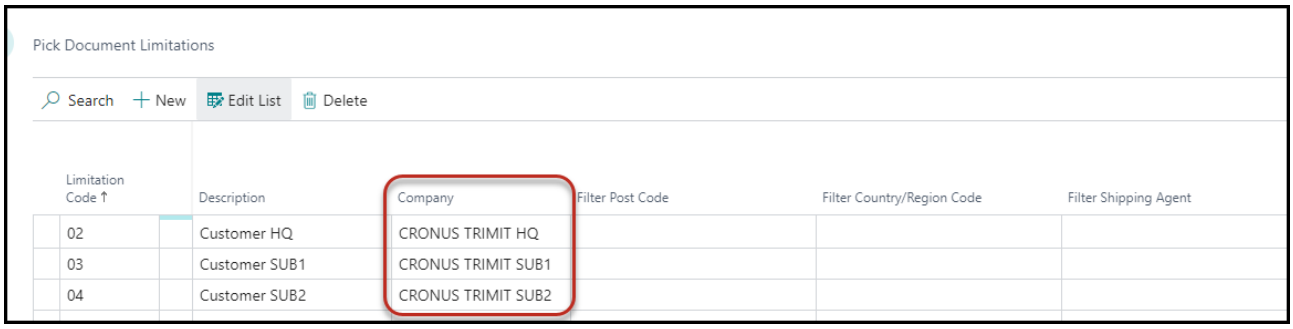
The creation of TRIMIT Pick Documents and the calculation of **Quantity to be Picked** is based on the quantity on Inventory – quantity in Pick Documents in all companies that participate in the Intercompany structure.

That means that you need to be careful when creating TRIMIT Pick Documents because a *SUB* can be delivered based on the Inventory of the *Headquarter.*

Therefore, if there might be shortage of items, the first company in which the TRIMIT Pick Documents are created might always get the total Quantity to be Picked, where the last company might always get the shortages.

If you do not want this to happen, you could filter on specific Locations that can be used:
For every company (*Headquarter, SUB1* and *SUB2*) an own Location.
This also means that if Purchase Orders are received or Production Orders are finished in the *Headquarter,* you need to use the **Item Reclassification Journal** to re-allocate the Inventory to the specific Locations!
In that case, you also need a checkmark in the **Intercompany Relations** for **Intercompany per Location** and make sure that in the **Inventory Setup** the field **Location Mandatory** is also set to *Yes.*

In the **Pick Document Limitations**, it is also possible to set a filter for one specific **Company**:



This field **Company** is not in the page by default; you need to add it via ***Personalize*.**
This gives you the possibility to "prioritize" specific companies in your Intercompany structure for assigning Stock to the Sales Orders, by running the MRP Calculation several times with different **Limitation Codes**.

In *Headquarter:* **Quantities to be Picked** based on local Inventory in *Headquarter.*

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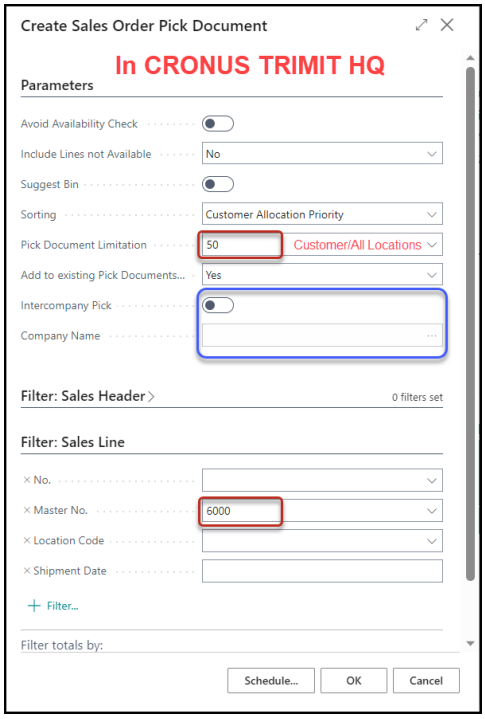
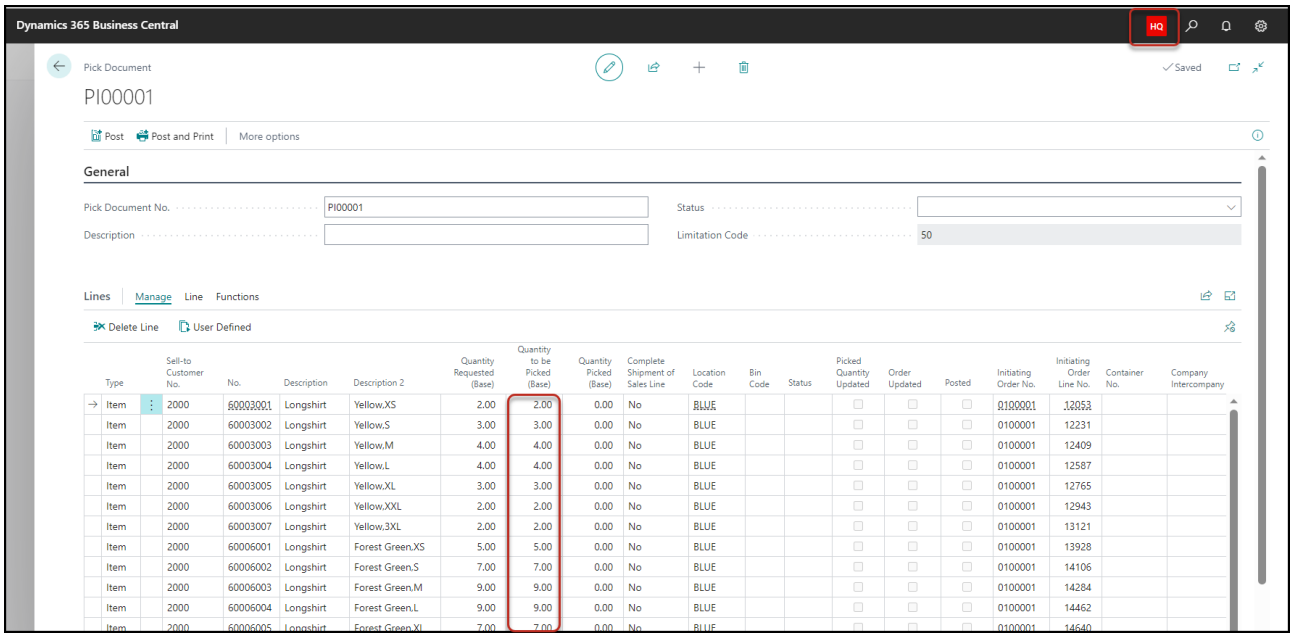


NOTE 1

You see two extra ***Parameters***: **Intercompany Pick** and **Company Name** because we setup the **Intercompany Relation** with **CRONUS TRIMIT SUB2** (*SUB2*) with **Intercompany Pick** *Yes*, and will discuss this procedure in [IC Process - Intercompany Pick](#).



Type	Sell-to Customer No.	No.	Description	Description 2	Quantity Requested (Base)	Quantity to be Picked (Base)	Quantity Picked (Base)	Complete Shipment of Sales Line	Location Code	Bin Code	Status	Picked Quantity Updated	Order Updated	Posted	Initiating Order No.	Initiating Order Line No.	Container No.	Company Intercompany
Item	2000	60003001	Longshirt	Yellow,XS	2.00	2.00	0.00	No	BLUE						0100001	12053		
Item	2000	60003002	Longshirt	Yellow,S	3.00	3.00	0.00	No	BLUE						0100001	12231		
Item	2000	60003003	Longshirt	Yellow,M	4.00	4.00	0.00	No	BLUE						0100001	12409		
Item	2000	60003004	Longshirt	Yellow,L	4.00	4.00	0.00	No	BLUE						0100001	12587		
Item	2000	60003005	Longshirt	Yellow,XL	3.00	3.00	0.00	No	BLUE						0100001	12765		
Item	2000	60003006	Longshirt	Yellow,XXL	2.00	2.00	0.00	No	BLUE						0100001	12943		
Item	2000	60003007	Longshirt	Yellow,3XL	2.00	2.00	0.00	No	BLUE						0100001	13121		
Item	2000	60006001	Longshirt	Forest Green,XS	5.00	5.00	0.00	No	BLUE						0100001	13928		
Item	2000	60006002	Longshirt	Forest Green,S	7.00	7.00	0.00	No	BLUE						0100001	14106		
Item	2000	60006003	Longshirt	Forest Green,M	9.00	9.00	0.00	No	BLUE						0100001	14284		
Item	2000	60006004	Longshirt	Forest Green,L	9.00	9.00	0.00	No	BLUE						0100001	14462		
Item	2000	60006005	Longshirt	Forest Green,XL	7.00	7.00	0.00	No	BLUE						0100001	14640		

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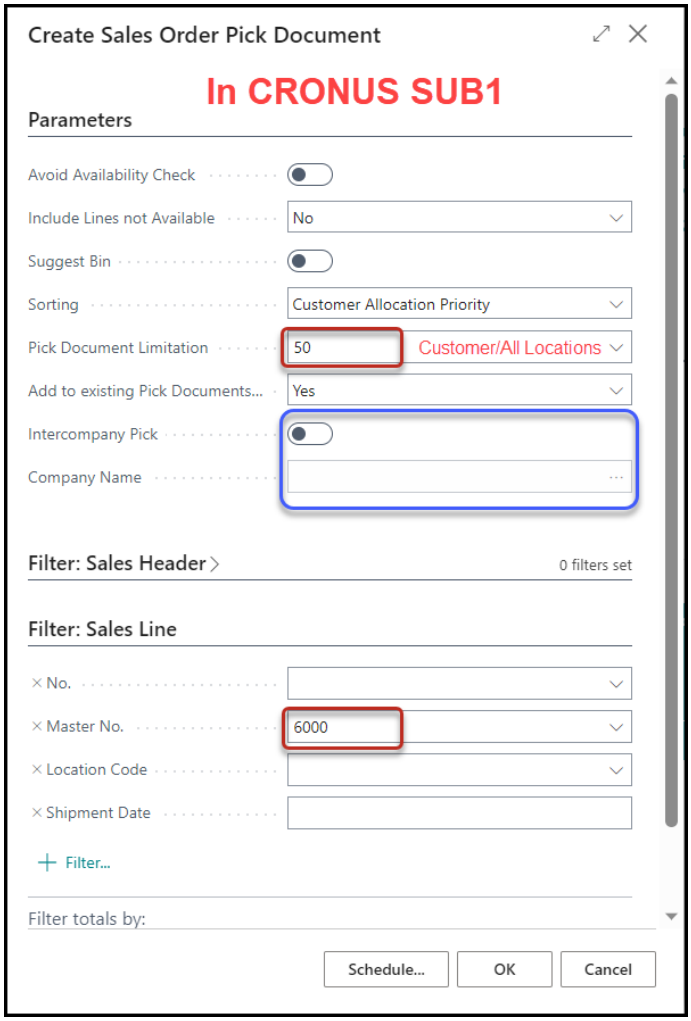
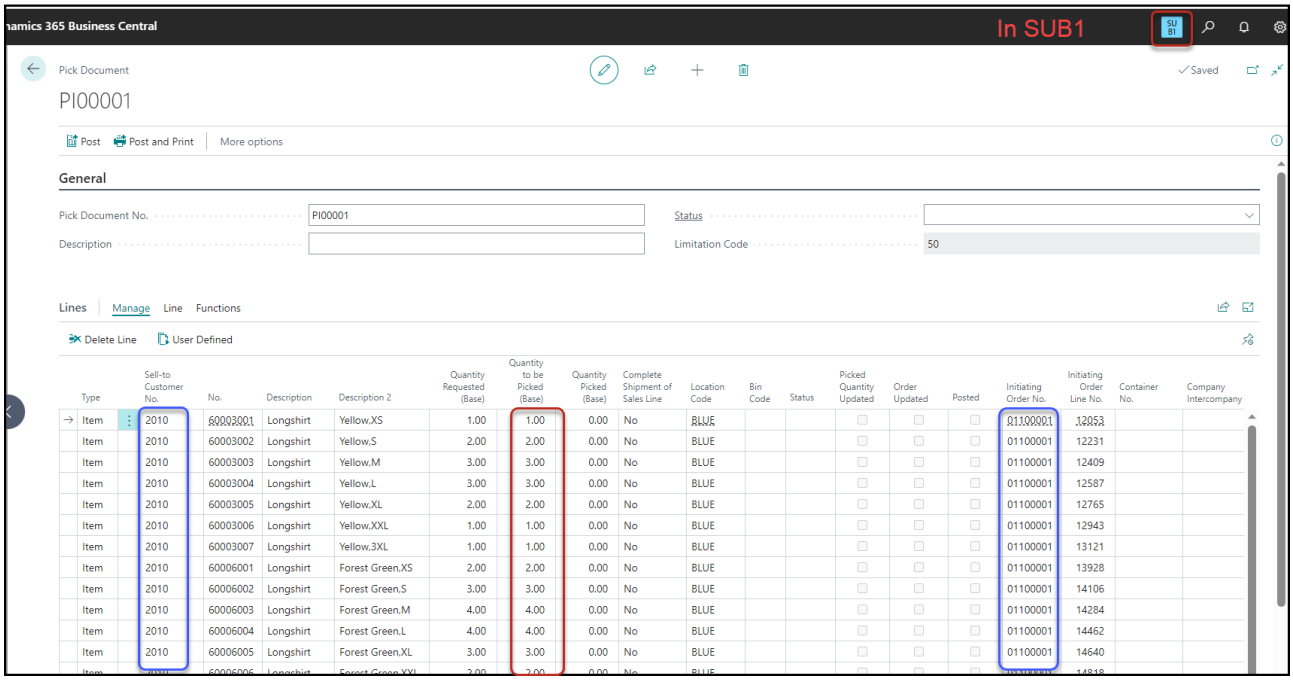
In *SUB1*: The **Quantities to be Picked** are based on local Inventory, the Inventory in *Headquarter* and the Pick Document that is already created in the *Headquarter.*





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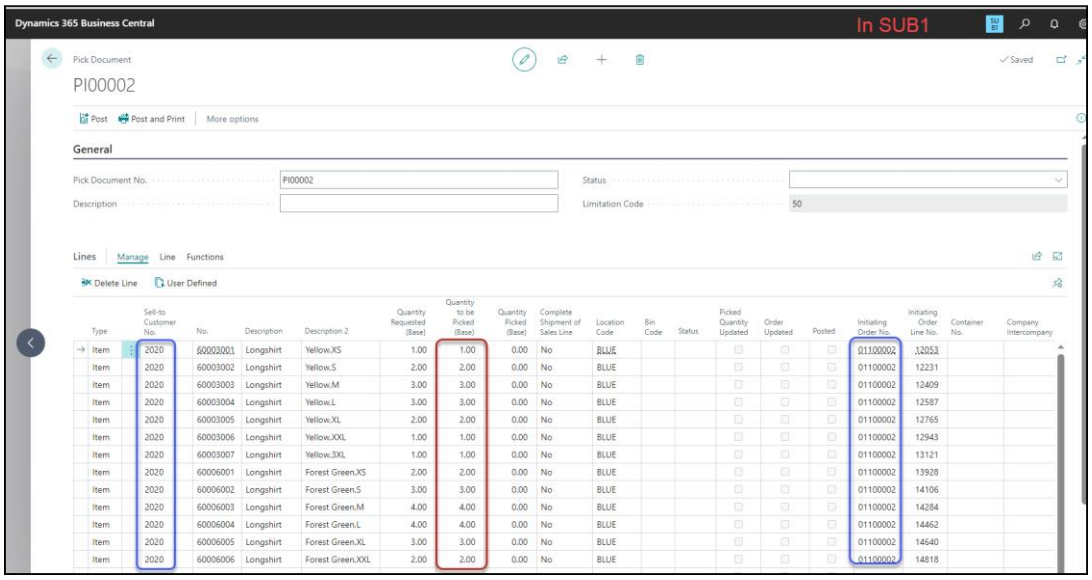
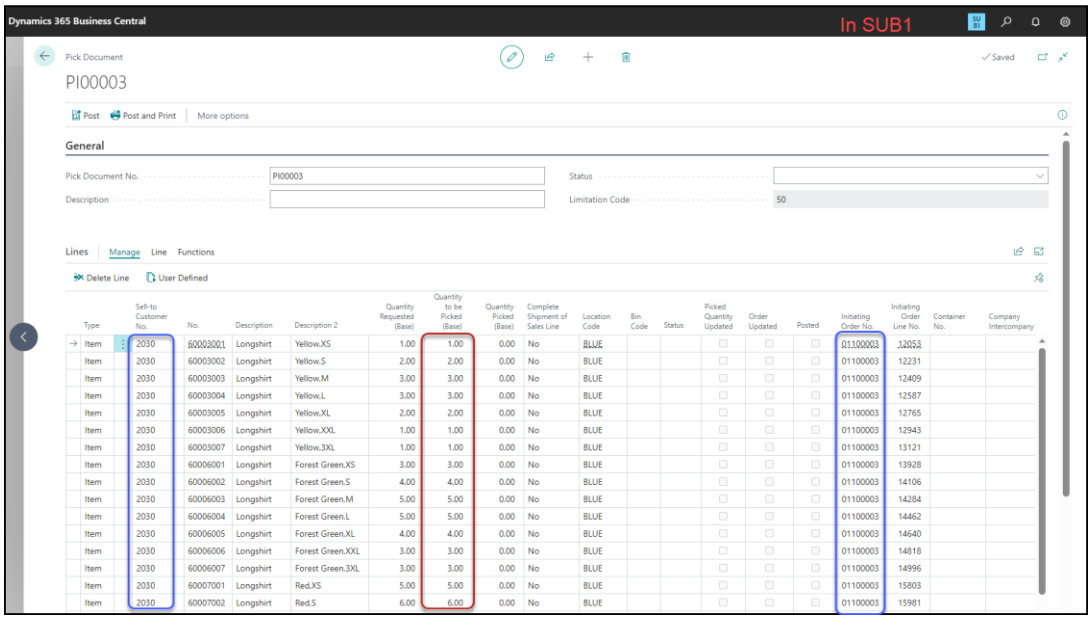
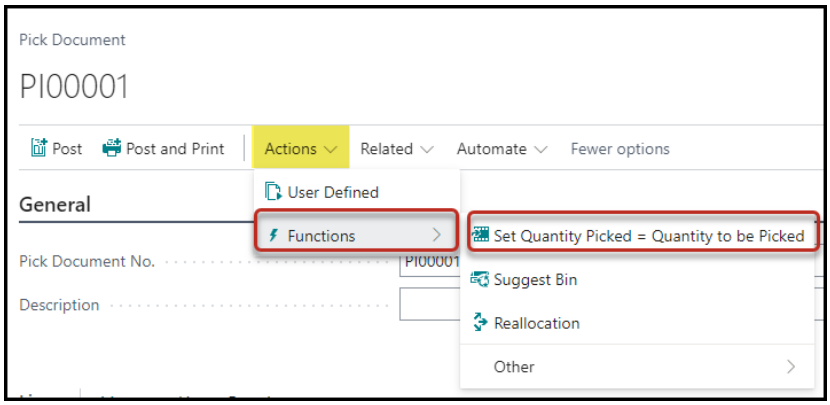




After the creation of the TRIMIT Pick Documents, you can simply post the Shipment and Invoice in the companies the way you want to.

I.e.: Do not forget to click ***Actions, Functions, Set Quantity Picked = Quantity to be Picked***



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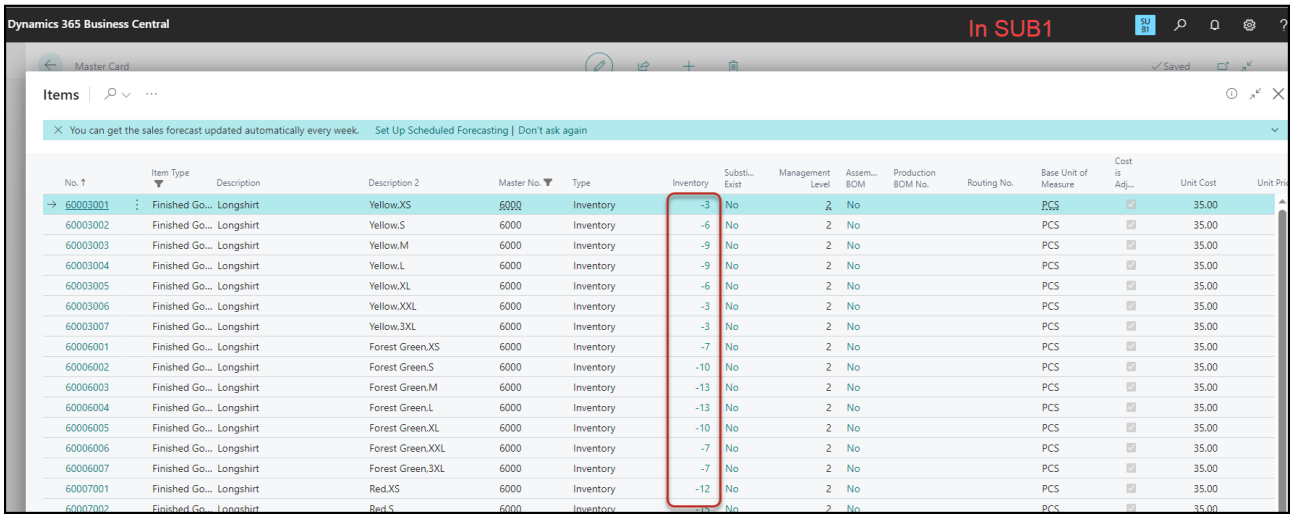
CREATE INTERCOMPANY PURCHASE ORDERS IN SUB(S)

After the shipments in the *SUB(s),* you have created negative Inventory in the *SUB(s)*. Based on the negative Inventory the **Intercompany Purchase Orders** can be created in the *SUB(s)* if the field **Include Make-to-Stock** is set to *Apply Negative Inventory* in the **Intercompany Relations** for the *Headquarter.*
If you want to do this every day, week or month depends on the frequency in which you analyze your financial position over all the companies.

STOCK IN THE SUB(S) AFTER THE SHIPMENTS

I.e., after posting the Pick Documents in *SUB1* we have now:



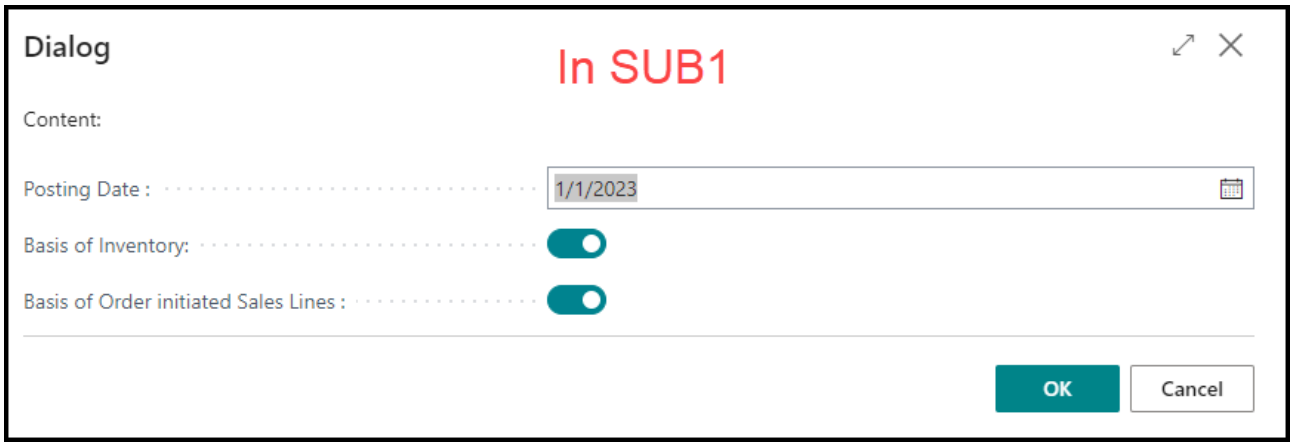
No.	Item Type	Description	Description 2	Master No.	Type	Inventory	Substi... Exist	Management Level	Assem... BOM	Production BOM No.	Routing No.	Base Unit of Measure	Cost is Adj...	Unit Cost
60003001	Finished Go...	Longshirt	Yellow,XS	6000	Inventory	-3	No	2	No			PCS		35.00
60003002	Finished Go...	Longshirt	Yellow,S	6000	Inventory	-6	No	2	No			PCS		35.00
60003003	Finished Go...	Longshirt	Yellow,M	6000	Inventory	-9	No	2	No			PCS		35.00
60003004	Finished Go...	Longshirt	Yellow,L	6000	Inventory	-9	No	2	No			PCS		35.00
60003005	Finished Go...	Longshirt	Yellow,XL	6000	Inventory	-6	No	2	No			PCS		35.00
60003006	Finished Go...	Longshirt	Yellow,XXL	6000	Inventory	-3	No	2	No			PCS		35.00
60003007	Finished Go...	Longshirt	Yellow,3XL	6000	Inventory	-3	No	2	No			PCS		35.00
60006001	Finished Go...	Longshirt	Forest Green,XS	6000	Inventory	-7	No	2	No			PCS		35.00
60006002	Finished Go...	Longshirt	Forest Green,S	6000	Inventory	-10	No	2	No			PCS		35.00
60006003	Finished Go...	Longshirt	Forest Green,M	6000	Inventory	-13	No	2	No			PCS		35.00
60006004	Finished Go...	Longshirt	Forest Green,L	6000	Inventory	-13	No	2	No			PCS		35.00
60006005	Finished Go...	Longshirt	Forest Green,XL	6000	Inventory	-10	No	2	No			PCS		35.00
60006006	Finished Go...	Longshirt	Forest Green,XXL	6000	Inventory	-7	No	2	No			PCS		35.00
60006007	Finished Go...	Longshirt	Forest Green,3XL	6000	Inventory	-7	No	2	No			PCS		35.00
60007001	Finished Go...	Longshirt	Red,XS	6000	Inventory	-12	No	2	No			PCS		35.00
60007002	Finished Go...	Longshirt	Red,S	6000	Inventory	[illegible]	No	2	No			PCS		35.00

NOTE
We cannot use the **Master Analysis Matrix** because that will include the Inventory of the *Headquarter* as well. The only way to prevent this is by using different Location Codes and creating **Inventory Profile Setups** for special Location Filters.

GENERATE PURCHASE ORDERS

The program to create the Intercompany Purchase Orders in the *SUB(s)* based on the negative Inventory if the field **Include Make-to-Stock** is set to *Apply Negative Inventory* can be found via **Search** *Generate Purchase Orders.*

If you start the program, you will see a Dialog Page:



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DESCRIPTION OF THE FIELDS

POSTING DATE

For the calculation of the *Apply Negative Inventory* or *Apply Positive Inventory,* this Date will be the filter for the Posting Date of the Item Ledger Entries, Sales Orders and Production Decrease, to determine if Intercompany Purchase Orders needs to be created.
I.e., *1/1/2023* actually means a Date filter "until 01/01/2023"

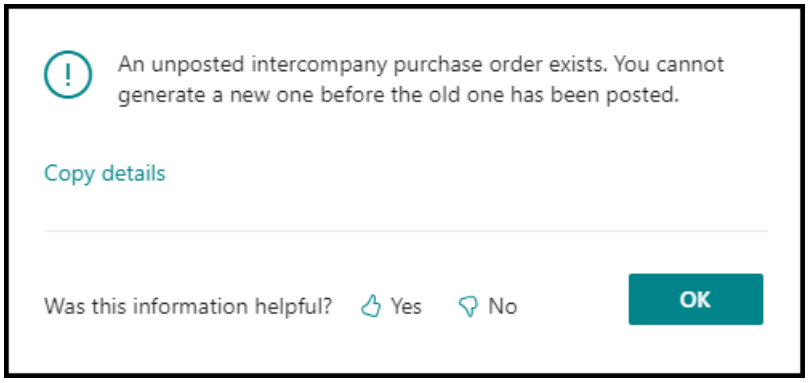
BASIS OF INVENTORY

Should the quantity be calculated for Items with **Replenishment Policy** is *Inventory.*
Usually, you will always have a checkmark in this option.

BASIS OF ORDER INITIATED SALES LINES

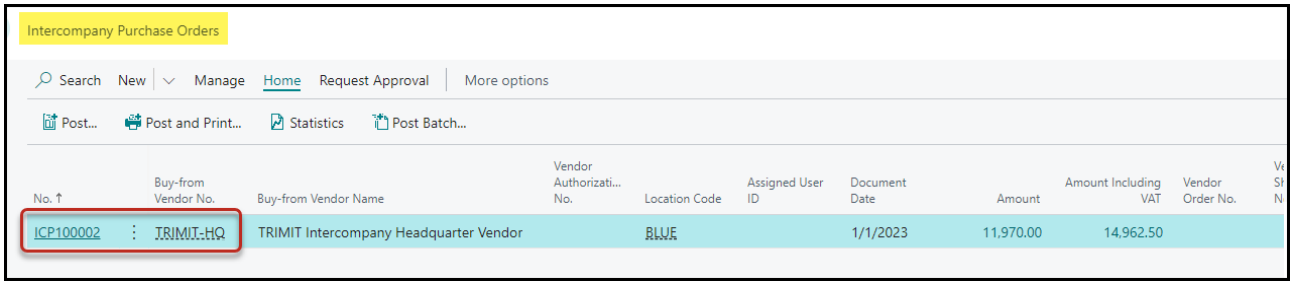
This option will only appear if the field **Include Make-to-Order** in the **Intercompany Relations** for the *Headquarter* is set to *Yes.*
In that case, you can determine with a checkmark if also Intercompany Purchase Orders should be created for Items with **Replenishment Policy** is *Order.*

In *SUB1,* we already created an Intercompany Purchase Order by using the MRP Calculation.
Therefore, if we run the ***Generate Purchase Orders,*** you will get an error message:

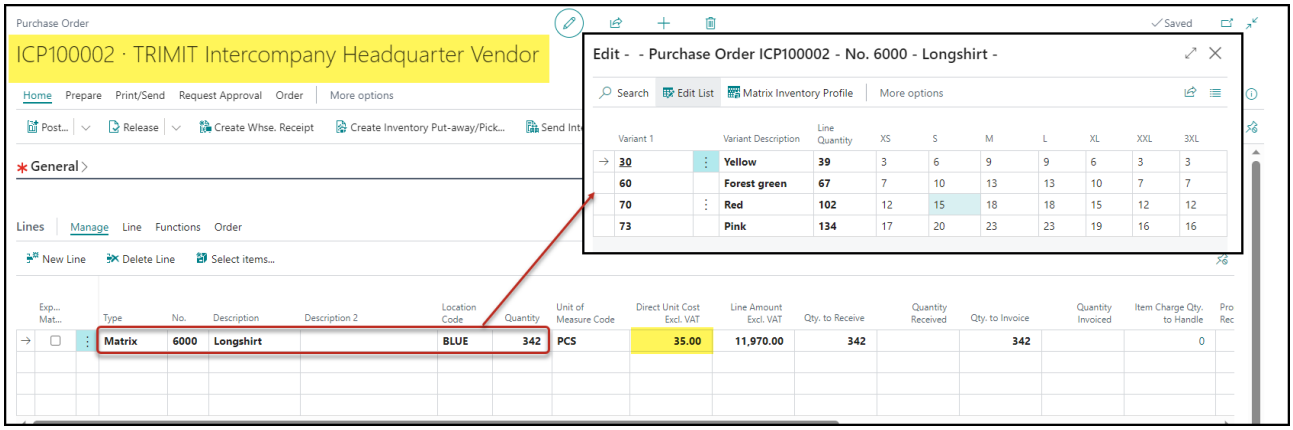


Therefore, we now delete that specific **Intercompany Purchase Order** *ICP100001* and run the ***Generate Purchase Orders***.

Now a new **Intercompany Purchase Order** *ICP100002* is created based on the negative Inventory in the *SUB(s).* This order can be found via **Search** *Intercompany Purchase Orders* but also in the regular list of Purchase Orders***:***



© TRIMIT SOLUTIONS A/S

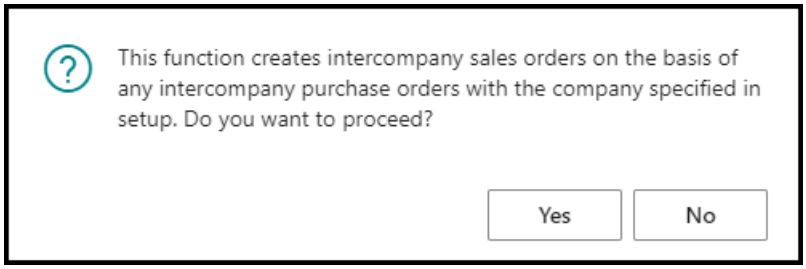


The **Buy-from Vendor No.** of the Intercompany Purchase Orders is determined by the **Vendor No.** in the **Intercompany Relations** of the *Headquarter.*
The **Direct Unit Cost** *(35.00)* of the Items in our example is based on the Sales Prices of the Items in the *Headquarter* for the **Customer Price Group** *IC.*
As stated earlier it could also be based on the Purchase Prices in the *SUB(s)* for the Vendor No. *Headquarter*.

CREATE INTERCOMPANY SALES ORDERS IN HEADQUARTER

After the Intercompany Purchase Orders have been created in the *SUB(s),* you can also create the Intercompany Sales Orders in the *Headquarter.*
The Intercompany Sales Orders in the *Headquarter* will simply be the 'copy' of the Intercompany Purchase Orders in the *SUB(s).*

You can create the **Intercompany Sales Orders** via **Search** *Intercompany Create Sales* in the company *CRONUS TRIMIT HQ* of the *Headquarter.* You will get the following message:



Click **Yes**.

For every **Intercompany Relation** with **Type** *Create IC Sales (Automatic)* the system will check if there are Intercompany Purchase Orders in that Intercompany Relation (company) and create the corresponding Intercompany Sales Order for it. You can see the created **Intercompany Sales Orders** via **Search** *Intercompany Sales Orders* but also in the regular Sales Orders List.

NOTE
The **Location Code** in the created Intercompany Sales Order can differentiate from the **Location Code** in the original Intercompany Purchase Order based on the **Location, IC Sales Line** of the appropriate Intercompany Relation.

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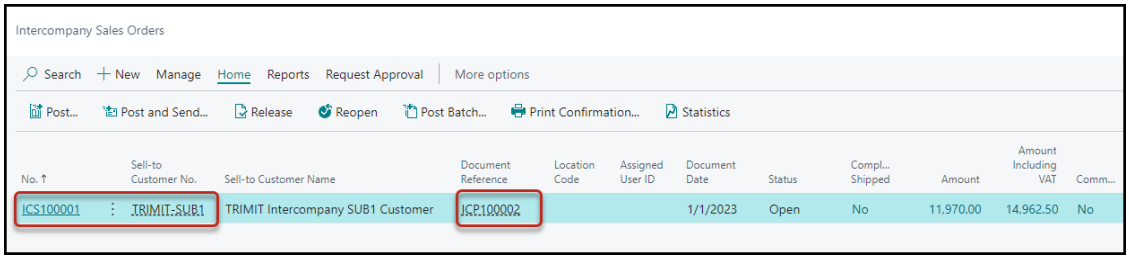
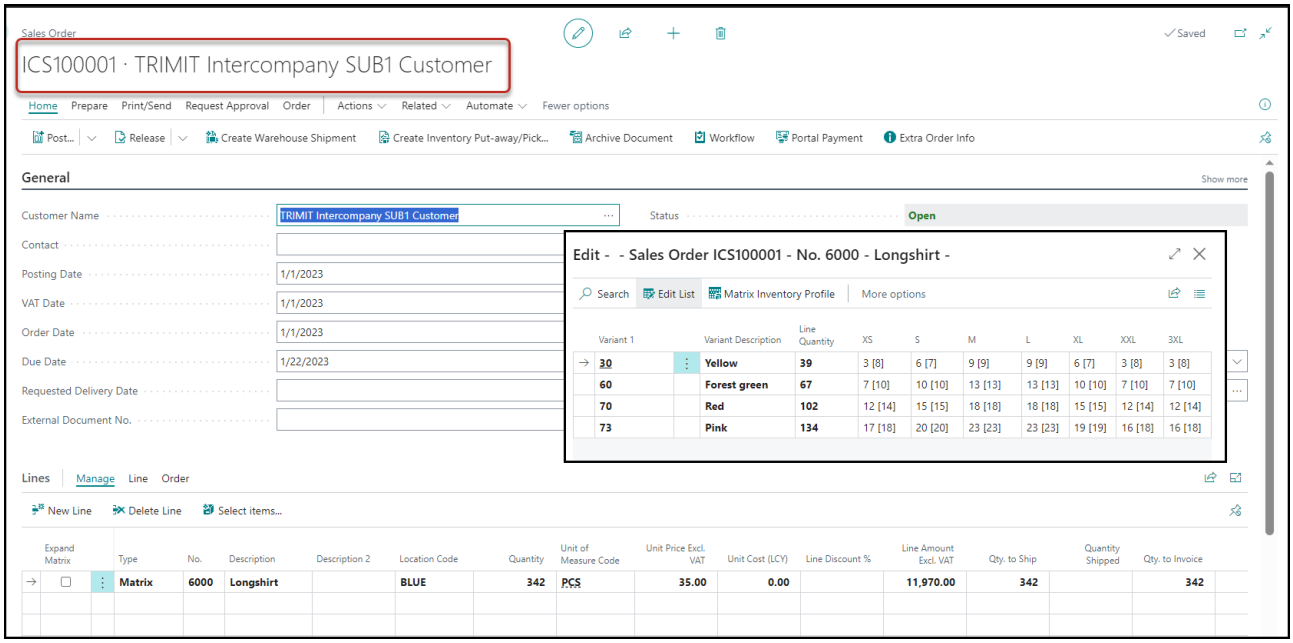
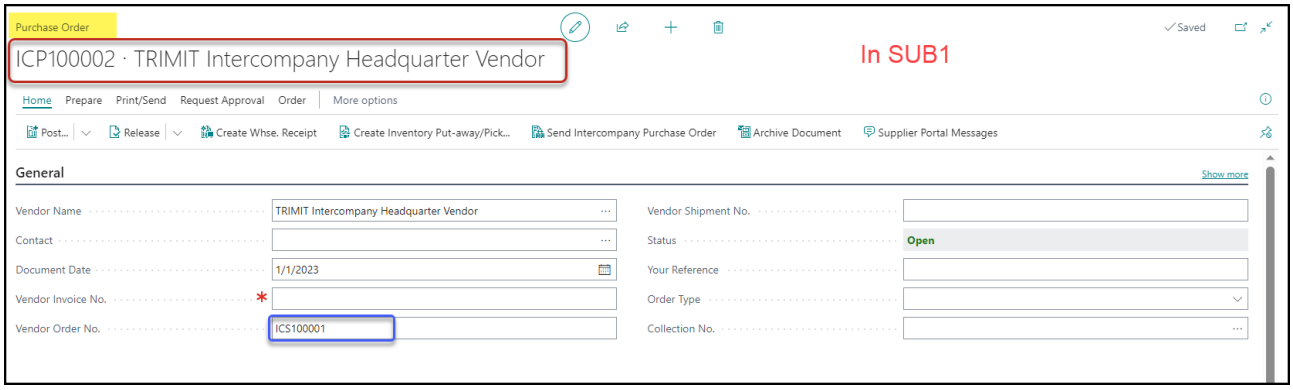




The **Customer Name** of the Intercompany Sales Orders is the Name of the **Customer No.** of the specific *SUB* in the **Intercompany Relations.**

The **Unit Price** on the Lines is simply the **Direct Unit Cost** of the Intercompany Purchase Lines where it was based off.

The number of the **Intercompany Sales Order** in the *Headquarter* will also be filled in the **Vendor Order No.** of the corresponding **Intercompany Purchase Order** in the *SUB(s).*



The field **Vendor Order No.** is by default only visible when you click ***Show more***.

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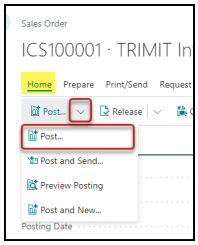
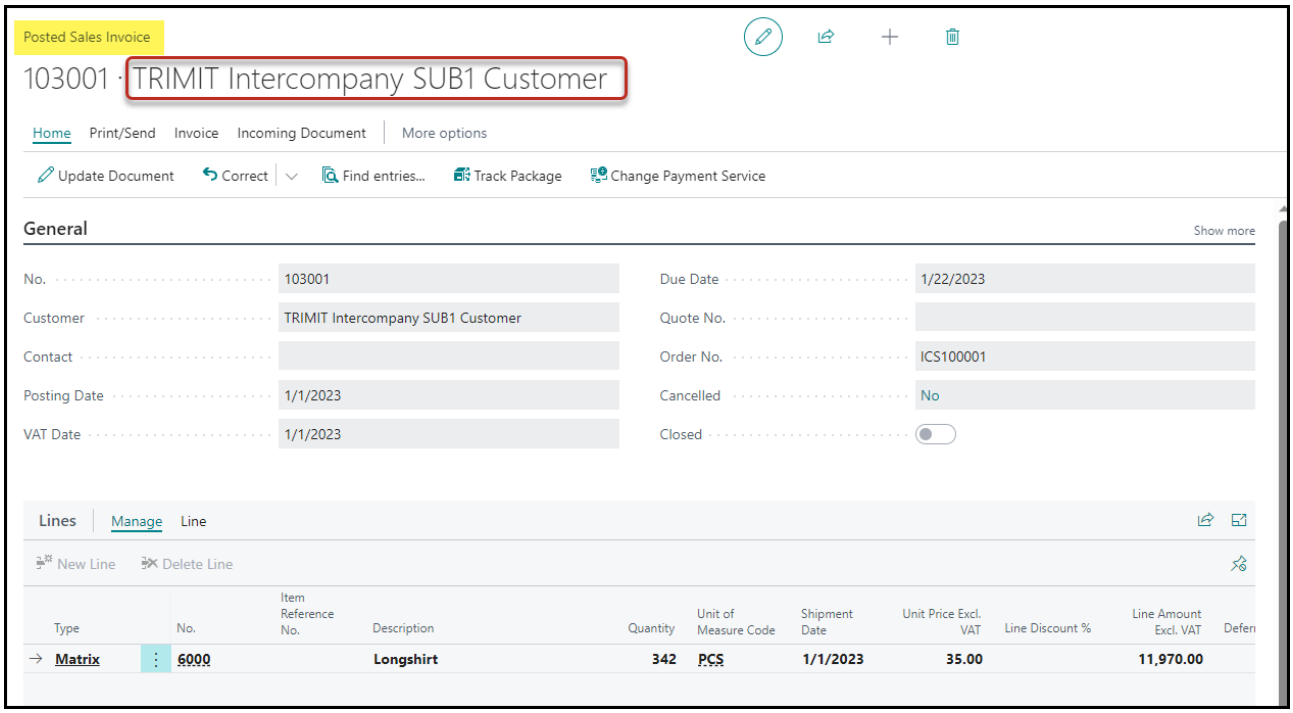
POSTING INTERCOMPANY SALES ORDERS IN HEADQUARTER

After the Intercompany Sales Orders have been created in the *Headquarter.* You can simply post them immediately by clicking ***Home, Post, Post*** or pressing **F9** in the Intercompany Sales Orders because the goods have already been shipped to the external customers of the *SUB(s)*.



After posting, you can see the **Posted Shipment** and/or **Posted Invoice** via ***Posted Documents*.**



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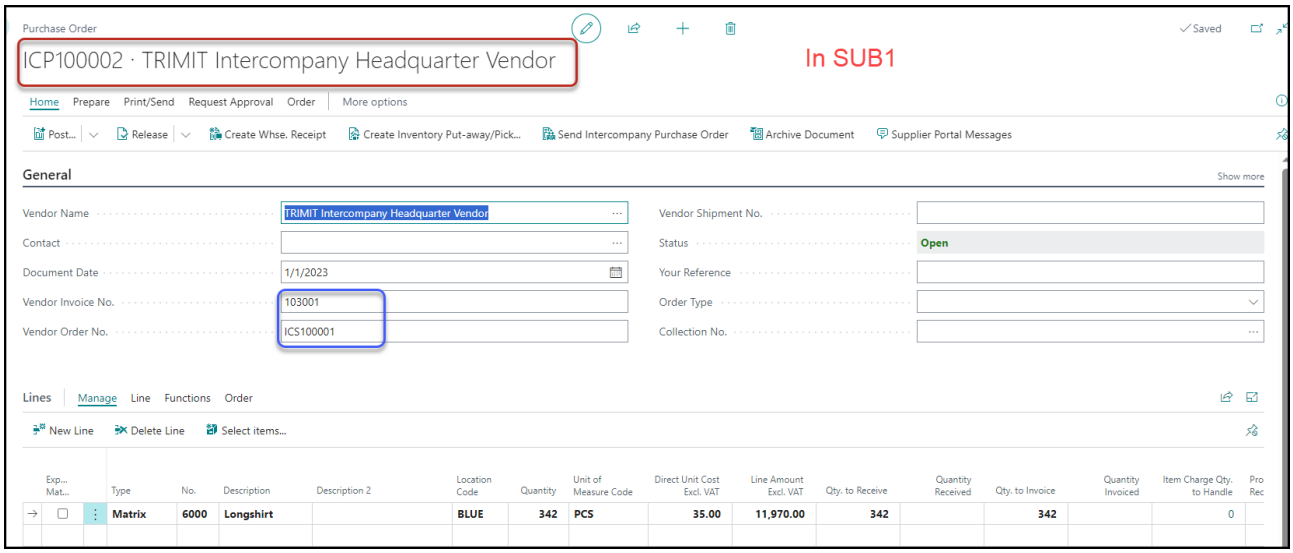
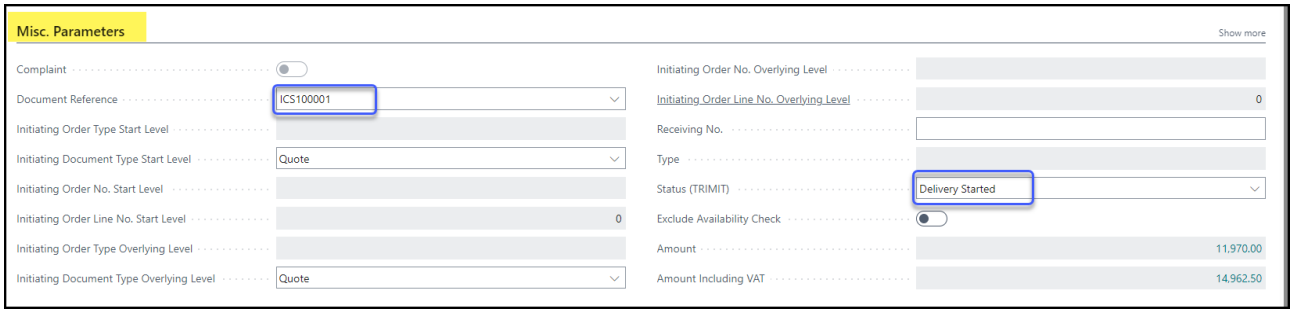
POSTING INTERCOMPANY PURCHASE ORDERS IN SUB(S)

After the Intercompany Sales Orders have been posted in the *Headquarter,* you can post the Intercompany Purchase Orders in the *SUB(s).*

You can already see in the **Intercompany Purchase Order** in the *SUB(s),* that the **Vendors Invoice No.** has been filled automatically with the **Posted Sales Invoice No.** from the *Headquarter.*



Also, by posting the **Intercompany Sales Order** in the *Headquarter*, the field **Status (TRIMIT)** has been updated to *Delivery Started* and the **Document Reference** has been filled by the **Intercompany Sales Order** in the *Headquarter*.



After posting the **Intercompany Purchase Order** in the SUB(s), the information of the **Vendor Order No.** and **Vendor Invoice No.** is also copied into the Posted Purchase Invoice**:**

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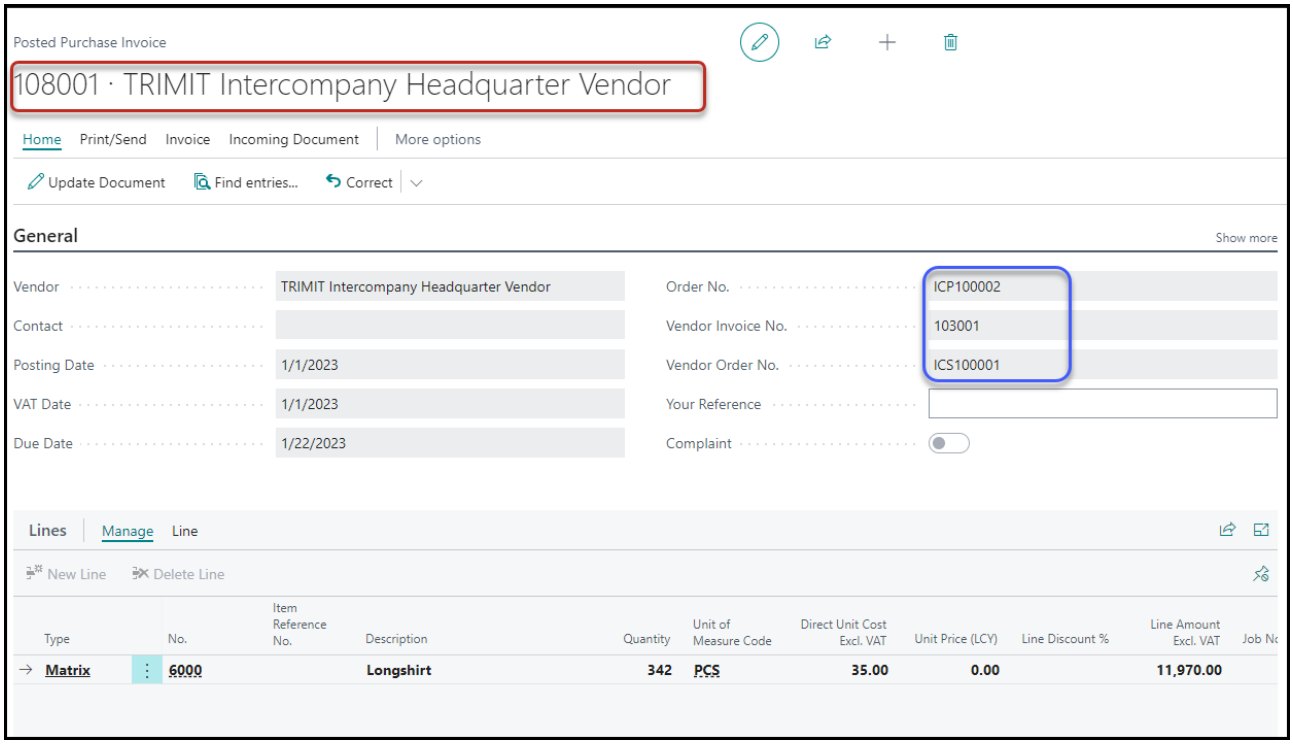

The **Order No.** relates to the original **Intercompany Purchase Order** in *SUB1.*
The **Vendor Invoice No.** relates to the related **Posted Sales Invoice** in the *Headquarter.*
The **Vendor Order No.** relates to the original **Intercompany Sales Order** in the *Headquarter.*

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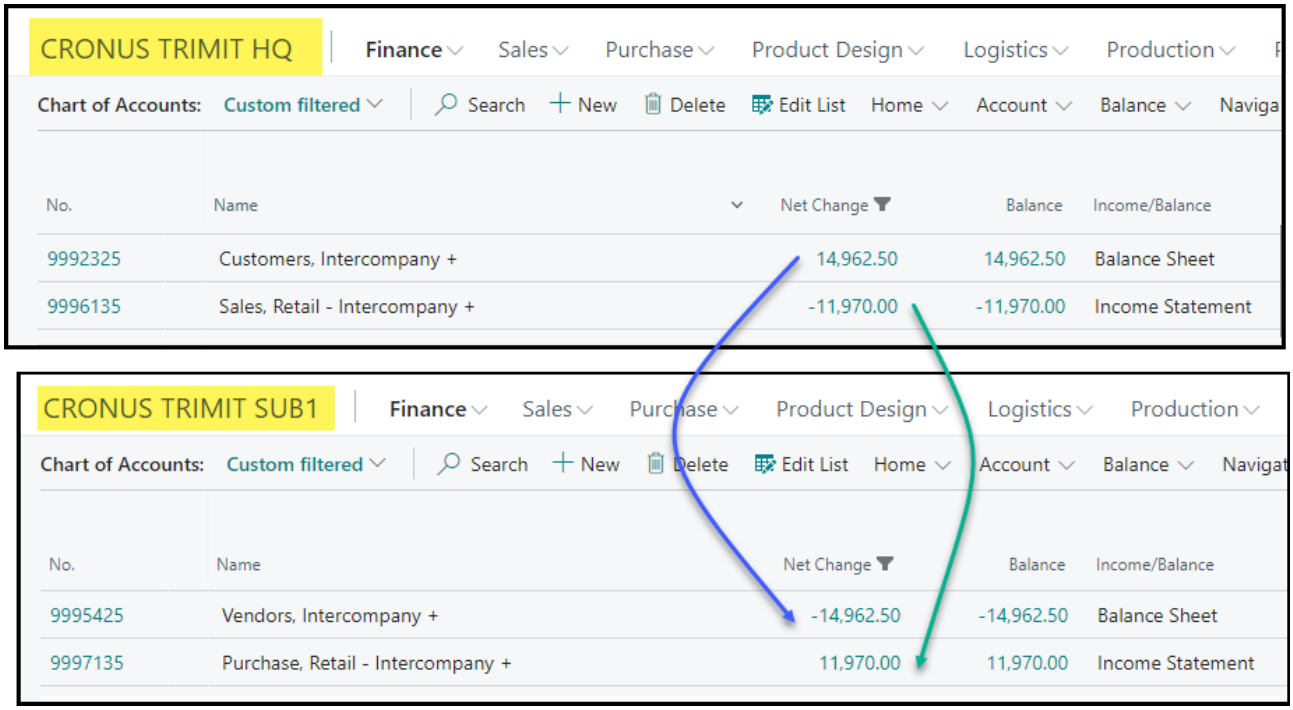
TOTAL FINANCIAL RESULT

If all the Intercompany Sales Orders in the *Headquarter* are posted.
If all the Intercompany Purchase Orders in the *SUB(s)* are posted.

The total of the "Intercompany Receivables Account" in the *Headquarter* and the totals of the "Intercompany Payables Account" in the *SUB(s)* will be equal.

The total of the "Intercompany Sales Account" in the *Headquarter* and the totals of the "Intercompany Purchase Account" in the *SUB(s)* will be equal.



In our example:

Debtor/Creditor:	14,962.50 - 14,962.50	= 0
Sales/Purchase:	11,970.00 - 11,970.00	= 0

If these totals do not match, you might have forgotten to post Intercompany Sales-/Purchase Orders.

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SUMMARY PROCESS APPLY NEGATIVE INVENTORY

1. Design in *Headquarter*
2. External Sales Orders in *Headquarter* and *SUB(s)*
3. MRP Calculation in *Headquarter* for total demand
4. TRIMIT Pick Documents in all companies based on *Headquarters* availability
5. External Shipments and Sales Invoices in all companies
6. Generate (Intercompany) Purchase Orders in *SUB(s)*
7. Generate (Intercompany) Sales Orders in *Headquarter*
8. Post Intercompany Sales Orders in *Headquarter*
9. Post Intercompany Purchase Orders in *SUB(s)*

The steps 1 – 5 will be a daily process.
The steps 6 – 9 might be a weekly or monthly process.

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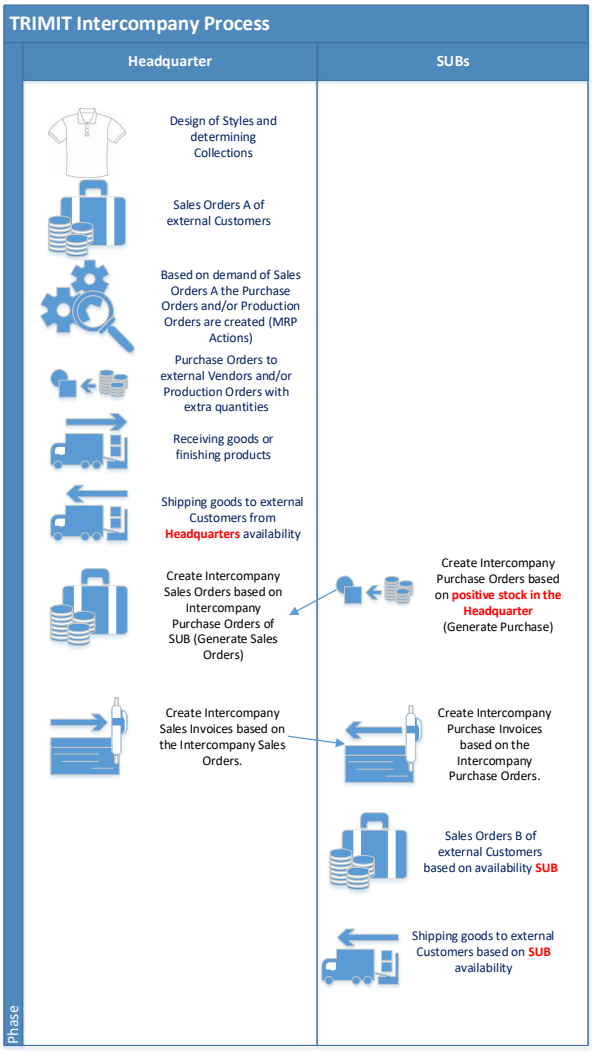
IC PROCESS – APPLY POSITIVE INVENTORY

This chapter contains information regarding the total process within TRIMIT Intercompany when **Include Make-to-Stock** is set to *Apply Positive Inventory*:

- This scenario can be used if the *SUB* only sells the leftovers (Net Change – Quantity on Sales Orders – Quantity of Production Decrease) from the *Headquarter.* In this case, the *SUB* might be an Outlet Store i.e.
- This scenario can also be used if the *Headquarter* is only the production company, but all the sales take place via the *SUB*, so the *SUB* is the owner of the inventory.
- For this procedure, you can only have 1 *SUB* otherwise; the system does not know who to sell the leftovers to.
- Based on the Positive Inventory that is still in the *Headquarter* after their shipments to their customers, in the *SUB* the Intercompany Purchase Order will be created.
- After receiving this Intercompany Purchase Order, the *SUB* can sell to external customers only based on their own availability.

The total process within TRIMIT Intercompany can look as follows in case **Include Make-to-Stock** is set to *Apply Positive Inventory*:



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Based on the Data in the Appendix and the procedure of IC Process – Apply Negative Inventory we still have some Inventory left in the *Headquarter* for the Master *6000 shown via the* ***Master Analysis Matrix:***
Do not forget to set a checkmark in **Show All X-Axis Values**.

Master Analysis Matrix
CRONUS TRIMIT HQ

July 26, 2023
Page 1
ADMIN

Master Filter: No.: 6000
Specification: Expected Inventory - Profile INVENTORY
Value: Cost Value
Sales Factor: 1.00
Assortment: Assortment Quantity shows the Quantity of Assortments.
Filter:

Master No.	XS	S	M	L	XL	XXL	3XL	Total	Value
6000 Longshirt									
30 Yellow	5	1			1	5	5	17	382.50
60 Forest Green	3					3	3	9	202.50
70 Red	2					2	2	6	135.00
73 Pink	1					2	2	5	112.50
							Master Total	37	832.50
							List Total	37	832.50

The **Intercompany Relation** in the *Headquarter* is now changed into:

Intercompany Relation List — Saved
Search | New | Edit List | Delete | Related | Automate | Fewer options

Related Company	Relation Type	Include Make-to-Stock	Include Make-to-Order	Include Company in Availability Check	Include Company in MRP Calculation	Vendor No.	Customer No.
CRONUS TRIMIT SUB1	Create IC Sales (Automatic)	Apply Positive Inventory	Yes	☐	☐		TRIMIT-SUB1
CRONUS TRIMIT SUB2	Create IC Sales (Automatic)	Posted Intercompany Pick	Yes	☑	☑		TRIMIT-SUB2

The **Intercompany Relation** in the *SUB* is now changed automatically based on the chanted in the *Headquarter*:

Intercompany Relation List — Saved
Search | New | Edit List | Delete | Related | Automate | Fewer options

Related Company	Relation Type	Include Make-to-Stock	Include Make-to-Order	Include Company in Availability Check	Include Company in MRP Calculation	Vendor No.	Customer No.
CRONUS TRIMIT HQ	Create IC Purchase (Automatic)	Apply Positive Inventory	Yes	☐	☐	TRIMIT-HQ	
CRONUS TRIMIT SUB2		Manual	No	☑	☐		

The *Headquarter* will follow the process based on their own demand.
However, they will buy/produce more than needed.
These quantities are after the shipments to their own customers available for their *SUB (Outlet Store i.e.)*

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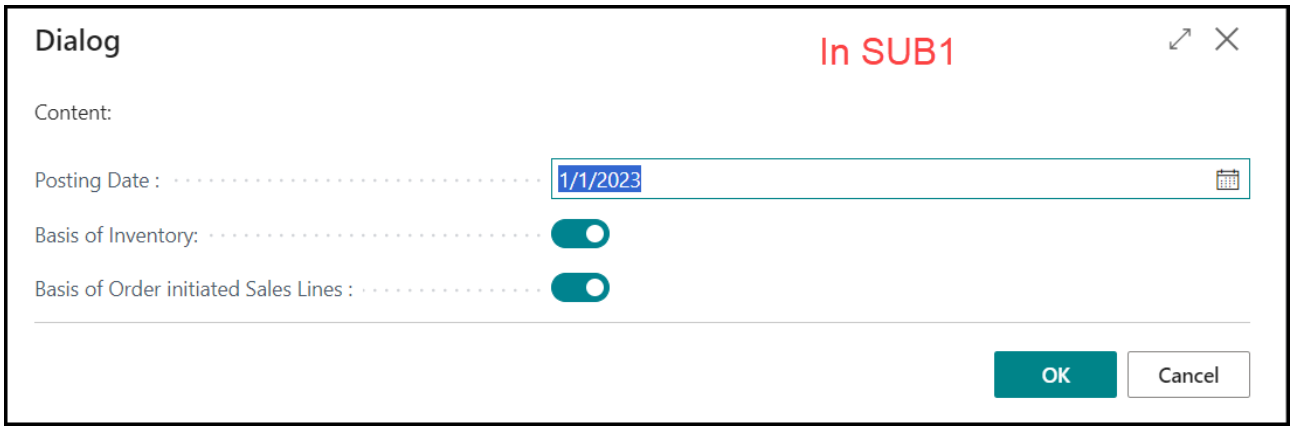
CREATE INTERCOMPANY PURCHASE ORDERS IN SUB

There are still some leftovers in the *Headquarter* that now internally will be sold to the *SUB* to sell.

GENERATE PURCHASE ORDERS

The program to create the Intercompany Purchase Orders in the *SUB,* based on the positive Inventory if the field **Include Make-to-Stock** is set to *Apply Positive Inventory*, which can be found via **Search** *Generate Purchase Orders.*

If you start the program, you will see a Dialog Page:



DESCRIPTION OF THE FIELDS

POSTING DATE

For the calculation of the *Apply Negative Inventory* or *Apply Positive Inventory,* this Date will be the filter for the Posting Date of the Item Ledger Entries, Sales Orders and Production Decrease, to determine if Intercompany Purchase Orders needs to be created.
I.e., *"01/01/2023"* means a Date filter "until 01/01/2023"

BASIS OF INVENTORY

Should the quantity be calculated for Items with **Replenishment Policy** is *Inventory.*
Usually, you will always have a checkmark in this option.

BASIS OF ORDER INITIATED SALES LINES

This option will only appear if the field **Include Make-to-Order** in the **Intercompany Relations** for the *Headquarter* is set to *Yes*, but we set it to *No.*
Therefore, this option is not shown in the Dialog.

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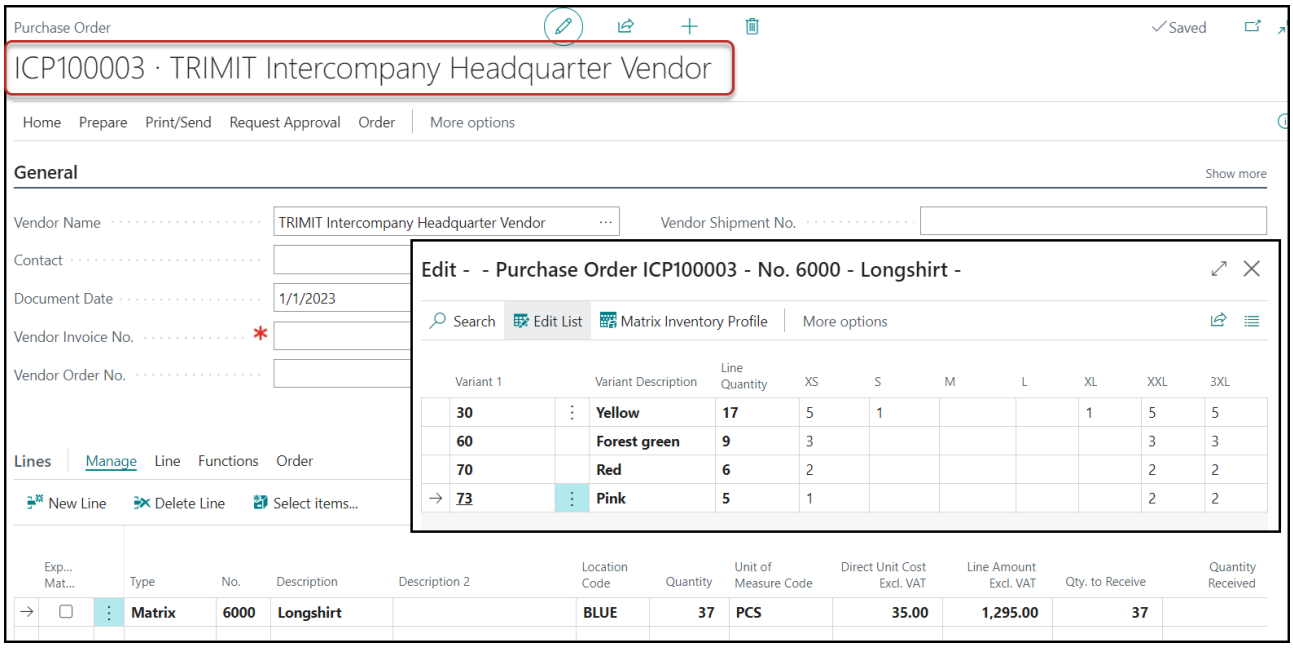
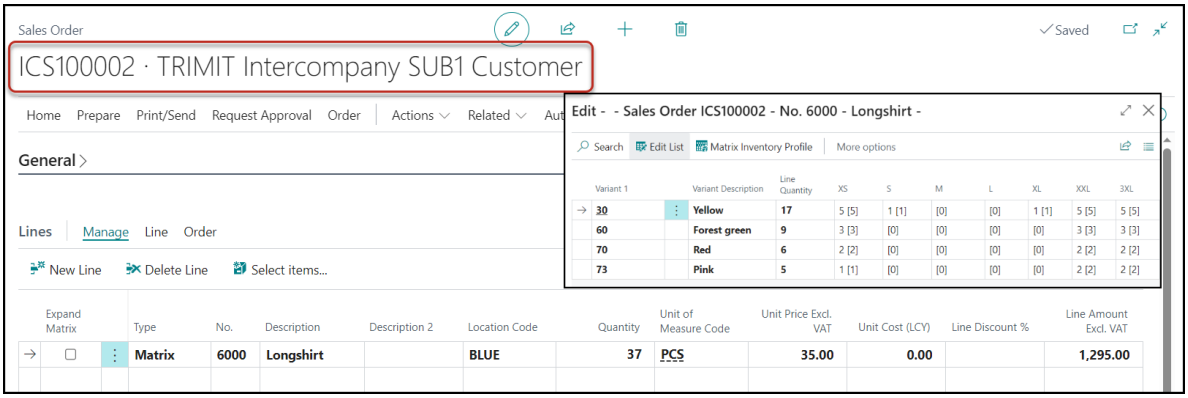
Now a new **Intercompany Purchase Order** *ICP100003* is created based on the positive Inventory in the *Headquarter.* This order can be found in **Search** *Intercompany Purchase Orders* but also in the normal list of Purchase Orders*:*



The quantities in this **Intercompany Purchase Order** are exactly the same as the quantity on Inventory in the *Headquarter,* shown in the **Master Analysis Matrix** of page 53.

The rest of the IC Process is the same as in [IC Process – Apply Negative Inventory]:

- In *Headquarter,* **Create Intercompany Sales**



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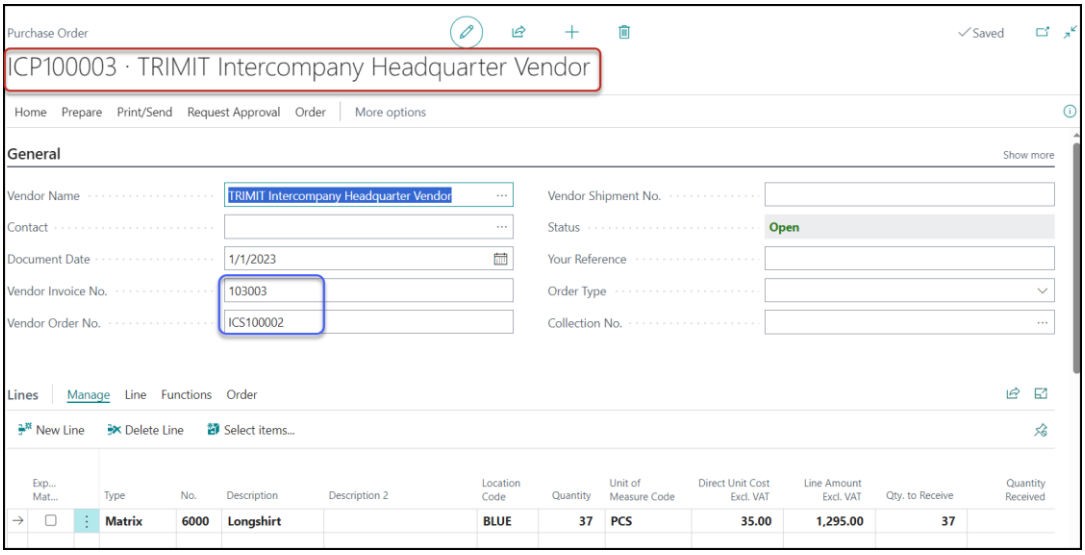
- In *Headquarter,* Post **Intercompany Sales Order**. Therefore, fields in the **Intercompany Purchase Order** in the *SUB* will be updated.



- In *SUB,* Post **Intercompany Purchase Order**

Now the *SUB* can sell the goods that they have on Inventory, based on the **Intercompany Purchase Order**.

TOTAL FINANCIAL RESULT

If all the Intercompany Sales Orders in the *Headquarter* are posted.
If all the Intercompany Purchase Orders in the *SUB(s)* are posted.

The total of the "Intercompany Receivables Account" in the *Headquarter* and the totals of the "Intercompany Payables Account" in the *SUB(s)* will be equal.

The total of the "Intercompany Sales Account" in the *Headquarter* and the totals of the "Intercompany Purchase Account" in the *SUB(s)* will be equal.

SUMMARY PROCESS APPLY POSITIVE INVENTORY

1. Design in *Headquarter*
2. External Sales Orders in *Headquarter*
3. MRP Calculation in *Headquarter* for demand *Headquarter*
4. TRIMIT Pick Documents in *Headquarter* based on *Headquarters* availability
5. External Shipments and Sales Invoices in *Headquarter*
6. Generate (Intercompany) Purchase Orders in *SUB*
7. Generate (Intercompany) Sales Orders in *Headquarter*
8. Post Intercompany Sales Orders in *Headquarter*
9. Post Intercompany Purchase Orders in *SUB*
10. External Sales Orders in *SUB,* based on *SUB's* availability
11. External Shipments and Sales Invoices in *SUB*

The steps 1 – 5 will be a daily process.
The steps 6 – 9 might be a monthly or even a seasonal process.
The steps 10-11 will be a daily process after the season.

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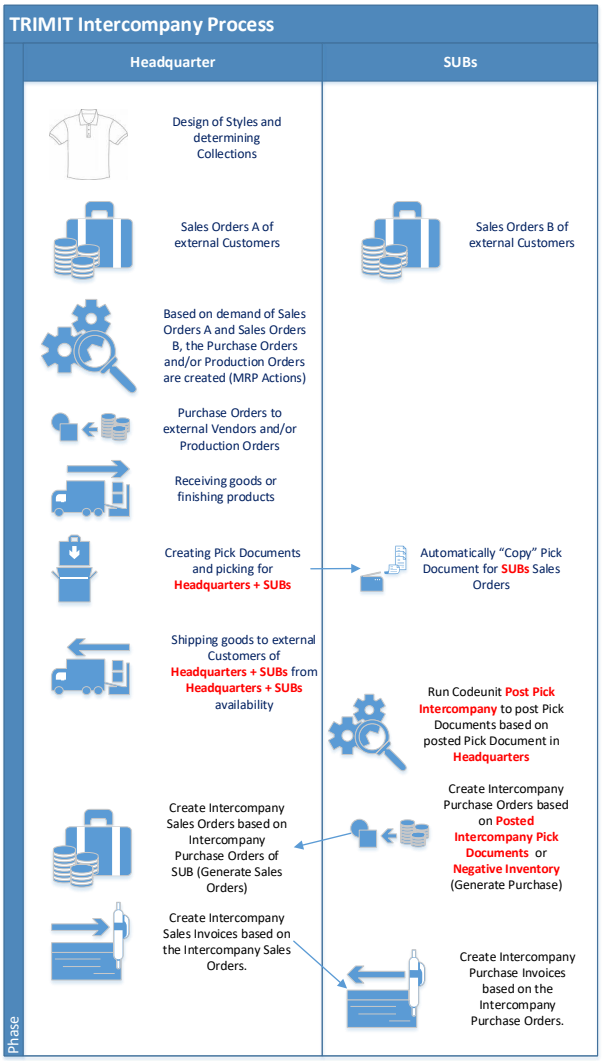
IC PROCESS - INTERCOMPANY PICK

This chapter contains information regarding the total process within TRIMIT Intercompany when **Intercompany Pick** is set to *Yes*:

- All warehouse handling takes place in the *Headquarter.*
- Only applicable if you use TRIMIT Pick Documents
- In the *Headquarter,* you can create TRIMIT Pick Documents based on the Sales Orders of the *SUB(s)*. In the same process, the TRIMIT Pick Document will be created with the same number in the *SUB(s).*
- While posting the TRIMIT Pick Documents in the *Headquarter* based on the Sales Orders of the *SUB(s)*, only Posted Pick Documents will be created in the *Headquarter* – so no Item- or Value Entries, and no Sales Shipments or –Invoices for these Posted Pick Documents.
- With a special Codeunit *6036781 Post Pick Intercompany,* the TRIMIT Pick Documents in the *SUB(s)* can be posted based on the Posted Pick Documents in the *Headquarter*. This Codeunit could easily be set into a Job Queue.

To describe this process, extra data (besides the setups in the first two chapters) has been added or changed in the *Headquarter* and *SUB2*. You can see an overview in Appendix.



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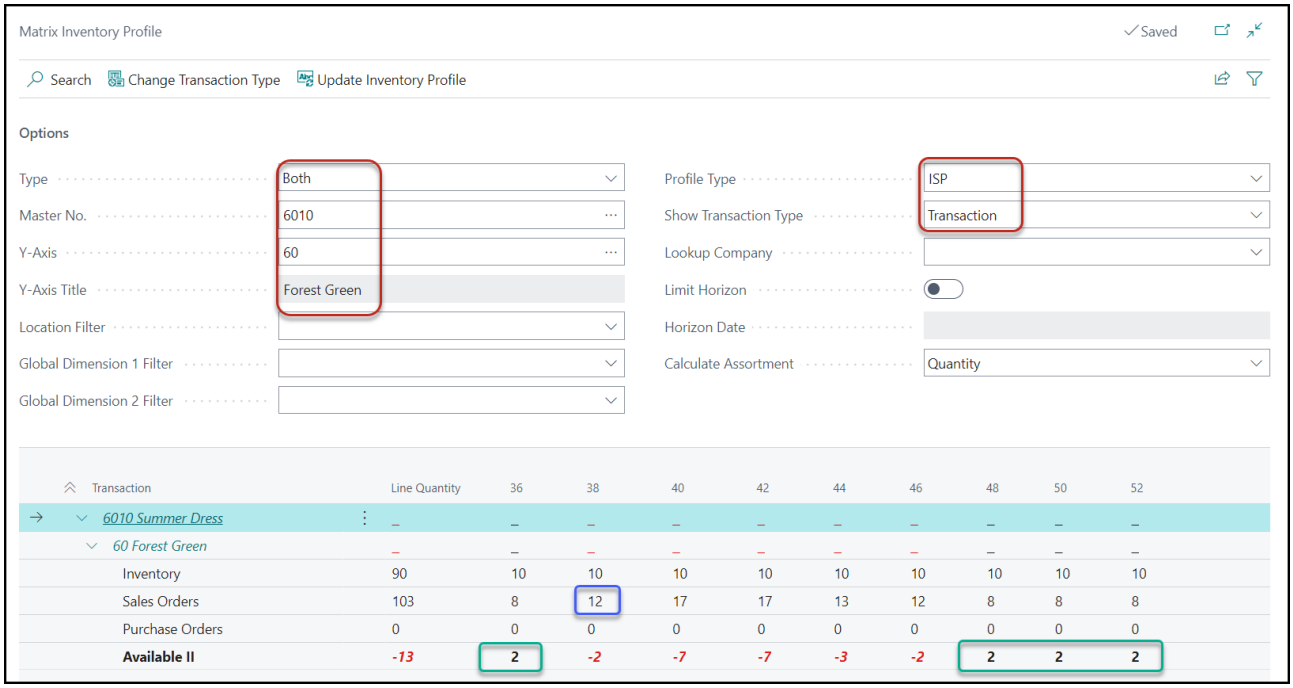
The first processes for *Intercompany Pick* are the same as in IC Process – Apply Negative Inventory:

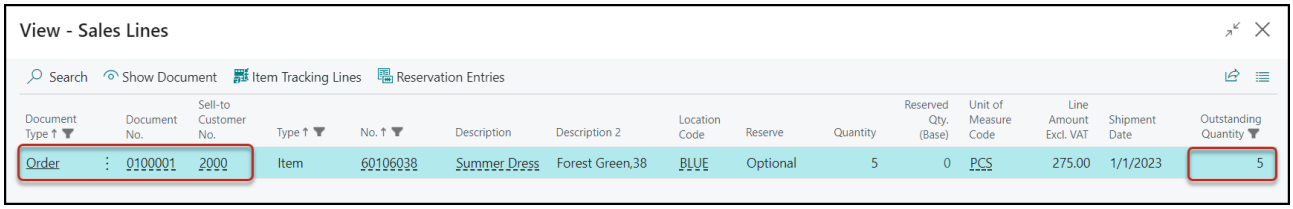
- Design will take place in the *Headquarter.* See *Design*
- External Sales Orders will be created in the *Headquarter* and in the *SUB(s).* See External Sales.

INVENTORY PROFILE

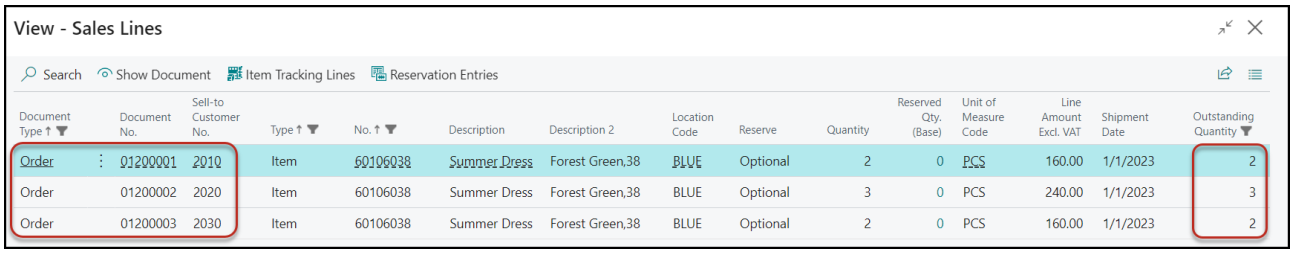
If you would have entered all the data of the Appendix, the **Inventory Profile** of Master *6010* for the color *60 Forest Green*, which you can access via the Master Card via ***Process, Inventory Profile,*** would look like:
In the *Headquarter* Company, where you also have created **Inventory Profile Setup** *ISP (Inventory, Sales Orders, Purchase Orders):*



Clicking in the **Sales Order/38** cell to see the resource of the *12:*
You will only see the Sales Lines from the *Headquarter* itself.



Change the **Lookup Company** into *CRONUS TRIMIT SUB2* (company name for SUB2)*:*
Now click again in the **Sales Order/38** cell you will see the Sales Lines from *SUB2*:



Therefore, *5* from *Headquarter* + *7* from *SUB2* = *12* in total.

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For the color *99 Black,* it would look like:

Options >

Transaction	Line Quantity	36	38	40	42	44	46	48	50	52
6010 Summer Dress	_	_	_	_	_	_	_	_	_	_
99 Black	_	_	_	_	_	_	_	_	_	_
Inventory	135	15	15	15	15	15	15	15	15	15
Sales Orders	148	13	17	22	22	18	17	13	13	13
Purchase Orders	0	0	0	0	0	0	0	0	0	0
Available II	*-13*	**2**	*-2*	*-7*	*-7*	*-3*	*-2*	**2**	**2**	**2**

If you now want to enter a new **Sales Order** in any of the companies for the Master *6010,* the Matrix would look like:

Search | Edit List | Matrix Inventory Profile | More options

Variant 1	Variant Description	Line Quantity	36	38	40	42	44	46	48	50	52
60	**Forest Green**		[2]	[0]	[0]	[0]	[0]	[0]	[2]	[2]	[2]
99	**Black**		[2]	[0]	[0]	[0]	[0]	[0]	[2]	[2]	[2]

MASTER ANALYSIS MATRIX

The report **Master Analysis Matrix** which can be found via **Search** *Master Analysis* can also give you an overview of the availability over the companies within an Intercompany structure.

Availability will give you the available quantities at a specific **Date for Availability** over the current company and all the companies in the **Intercompany Relations** for which field **Include Company in Availability Check** is set to *Yes*:

Master Analysis Matrix

Specification

Analysis Type: Availability
Inventory Profile Setup: ALL
Date for Availability: 1/1/2023
Pick Document Options:

Options >

Filter: Master

No.: 6010
Collection No.:
Design:
Item Group:

Master Analysis Matrix
CRONUS TRIMIT HQ

July 26, 2023
Page 1
ADMIN

Master Filter: No.: 6010
Specification: Available on Date - Profile ALL - 01/01/23
Value: Cost Value
Sales Factor: 1.00
Assortment Filter: Assortment Quantity shows the Quantity of Assortments.

Master No.	36	38	40	42	44	46	48	50	52	Total	Value
6010 Summer Dress											
60 Forest Green	2						2	2	2	8	240.00
99 Black	2						2	2	2	8	240.00
Master Total										16	480.00
List Total										16	480.00

We chose **Show All X-Axis Values** *Yes* and **Only current Company** *No.*

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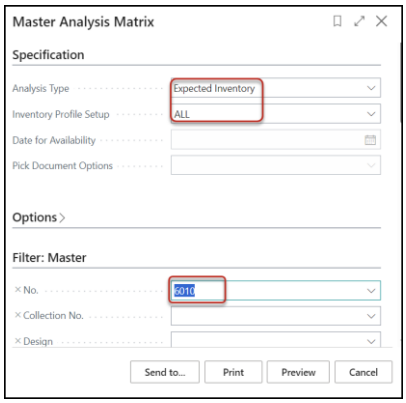
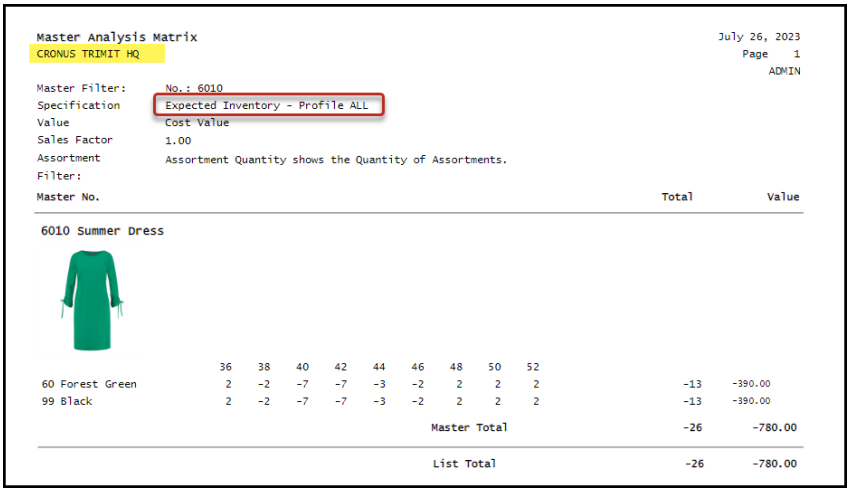
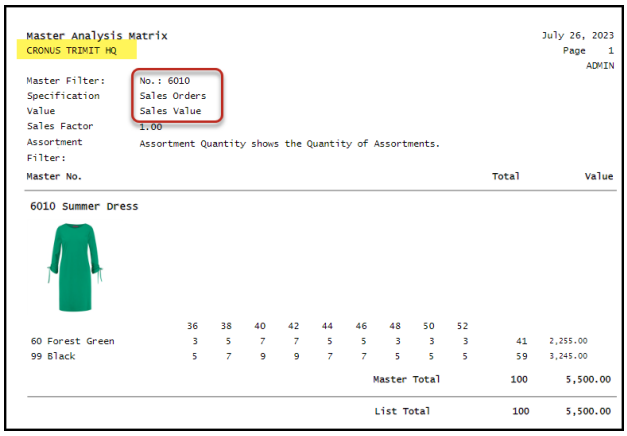
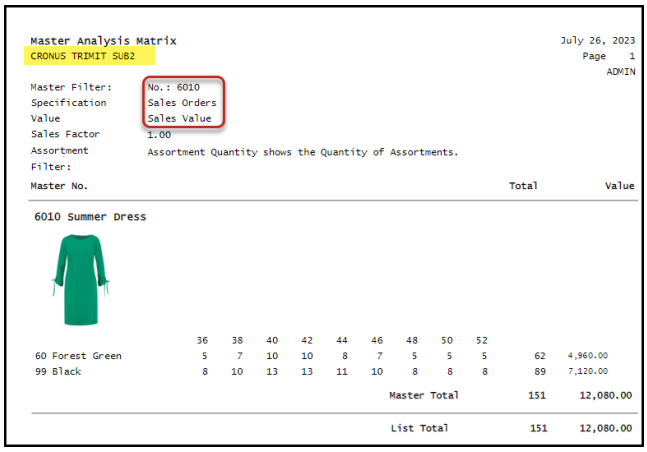
Expected Inventory will also give you the total quantities over the current company and all the companies in the **Intercompany Relations** for which field **Include Company in Availability Check** is set to *Yes*:





Sales Orders will however always only show the sold quantities in the current company:





In addition, **Analysis Type** *Pick Document* will also only show the quantities on Pick Documents in the current company.

MRP CALCULATION

Running the **MRP Calculation** via **Search** *MRP Actions* or clicking ***Task, MRP Actions*** in the TRIMIT Small Business Role Center, will have different outcomes if you run it in the *Headquarter* or in the *SUB(s)* based on the field **Include Company in MRP Calculation** in the **Intercompany Relations**.
For more details, see ***White Paper – TRIMIT Material Requirement Planning***.

IN HEADQUARTER

Based on the settings in your **MRP Setup** and the field **Include Company in MRP Calculation** in the **Intercompany Relations**, orders can be created based on the demand in the *Headquarter* including the companies in the **Intercompany Relations** with the **Relation Type** *Sales (Automatic)* within the Intercompany structure:

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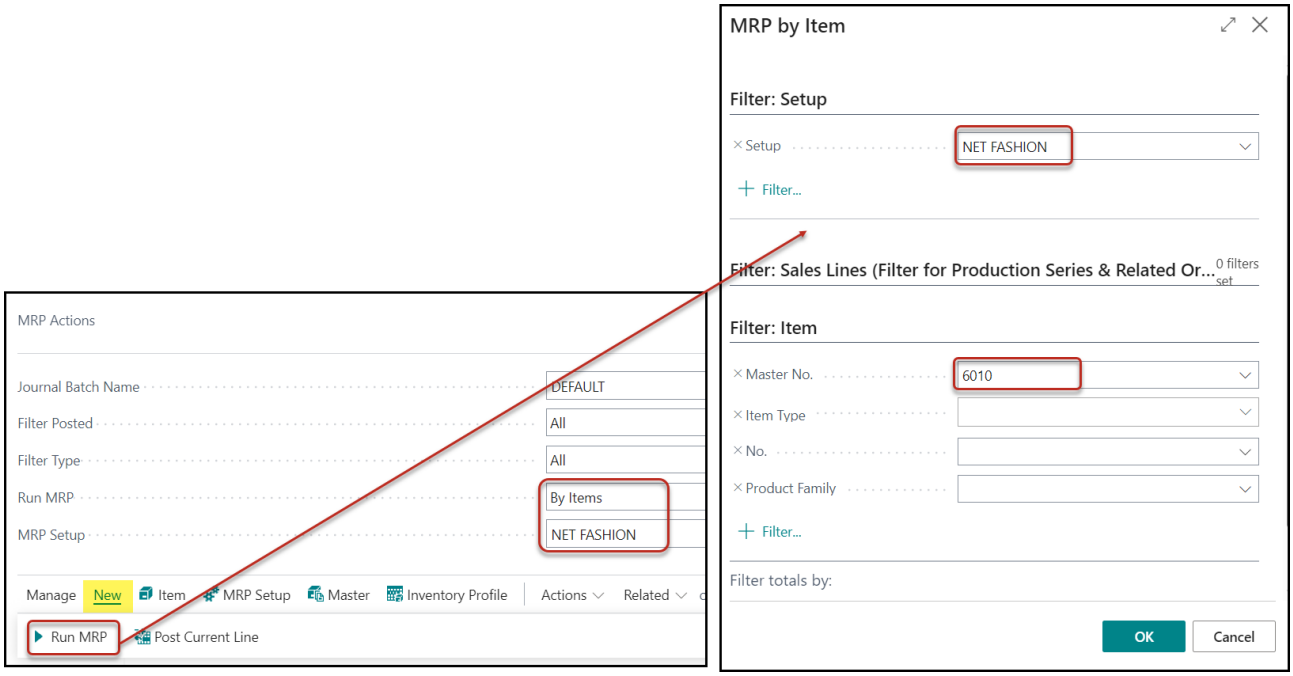
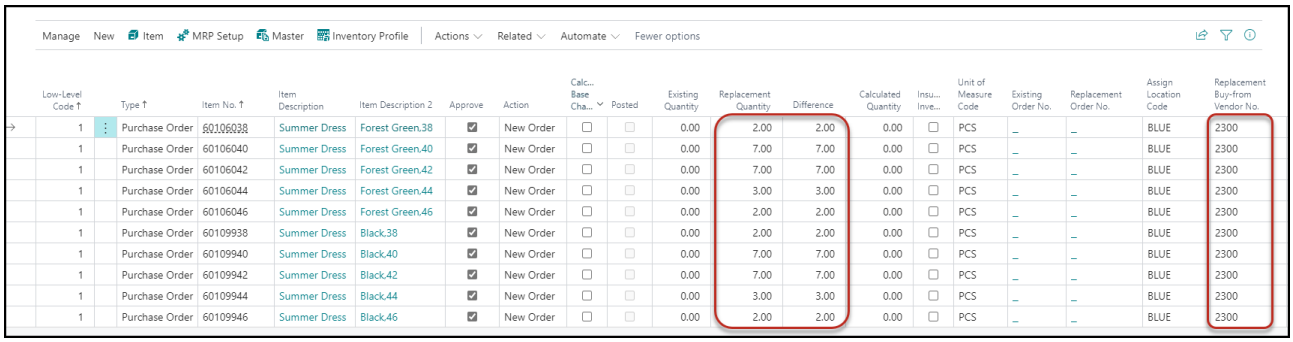
I.e., if you create **Actions** based on *By Items* for the **Master No.** *6010* in the *Headquarter:*



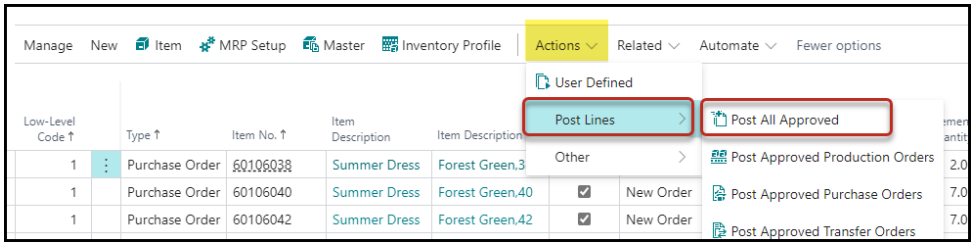
The outcome would look like:



Low-Level Code	Type	Item No.	Item Description	Item Description 2	Approve	Action	Calc... Base Cha...	Posted	Existing Quantity	Replacement Quantity	Difference	Calculated Quantity	Insu... Inve...	Unit of Measure Code	Existing Order No.	Replacement Order No.	Assign Location Code	Replacement Buy-from Vendor No.
1	Purchase Order	60106038	Summer Dress	Forest Green,38	☑	New Order	☐	☐	0.00	2.00	2.00	0.00	☐	PCS	_	_	BLUE	2300
1	Purchase Order	60106040	Summer Dress	Forest Green,40	☑	New Order	☐	☐	0.00	7.00	7.00	0.00	☐	PCS	_	_	BLUE	2300
1	Purchase Order	60106042	Summer Dress	Forest Green,42	☑	New Order	☐	☐	0.00	7.00	7.00	0.00	☐	PCS	_	_	BLUE	2300
1	Purchase Order	60106044	Summer Dress	Forest Green,44	☑	New Order	☐	☐	0.00	3.00	3.00	0.00	☐	PCS	_	_	BLUE	2300
1	Purchase Order	60106046	Summer Dress	Forest Green,46	☑	New Order	☐	☐	0.00	2.00	2.00	0.00	☐	PCS	_	_	BLUE	2300
1	Purchase Order	60109938	Summer Dress	Black,38	☑	New Order	☐	☐	0.00	2.00	2.00	0.00	☐	PCS	_	_	BLUE	2300
1	Purchase Order	60109940	Summer Dress	Black,40	☑	New Order	☐	☐	0.00	7.00	7.00	0.00	☐	PCS	_	_	BLUE	2300
1	Purchase Order	60109942	Summer Dress	Black,42	☑	New Order	☐	☐	0.00	7.00	7.00	0.00	☐	PCS	_	_	BLUE	2300
1	Purchase Order	60109944	Summer Dress	Black,44	☑	New Order	☐	☐	0.00	3.00	3.00	0.00	☐	PCS	_	_	BLUE	2300
1	Purchase Order	60109946	Summer Dress	Black,46	☑	New Order	☐	☐	0.00	2.00	2.00	0.00	☐	PCS	_	_	BLUE	2300

In the Action Lines, the **Replacement Quantity** is the needed quantity over all the companies in the Intercompany structure.
To be more specific: The MRP Calculation in the *Headquarter* will result in Purchase Requisitions (Quotes), Purchase Orders and/or Production Orders for all Items, where the **Replacement Quantity** is based on the demand in *Headquarter* and the companies that are in the **Intercompany Relations** with **Relation Type** *Sales (Automatic)* and **Include Company in MRP Calculation** set to *Yes.*
The **Replacement Buy-from Vendor No.** is the (external) Vendor from the Item Card.

According to the **MRP Setup** *NET FASHION,* a **Purchase Order** will be created (when you click ***Actions, Post Lines, Post All Approved.***



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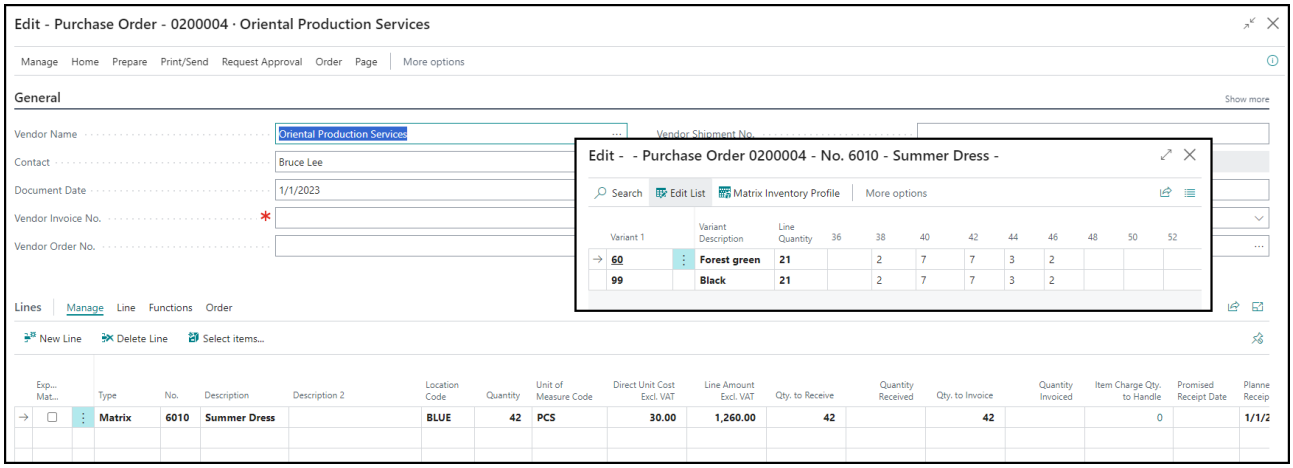

IN SUB(S)

NOTE 1

Keep in mind that the *Headquarter* in the **Intercompany Relations** has the **Relation Type** set to *Create IC Purchase (Automatic)* and **Include Company in MRP Calculation** set to *No*.

NOTE 2

When using the **Intercompany Pick** set to *Yes,* you will not run the **MRP Actions** for the Vendor of the *Headquarter*. You might only run the **MRP Actions** for external Vendors.

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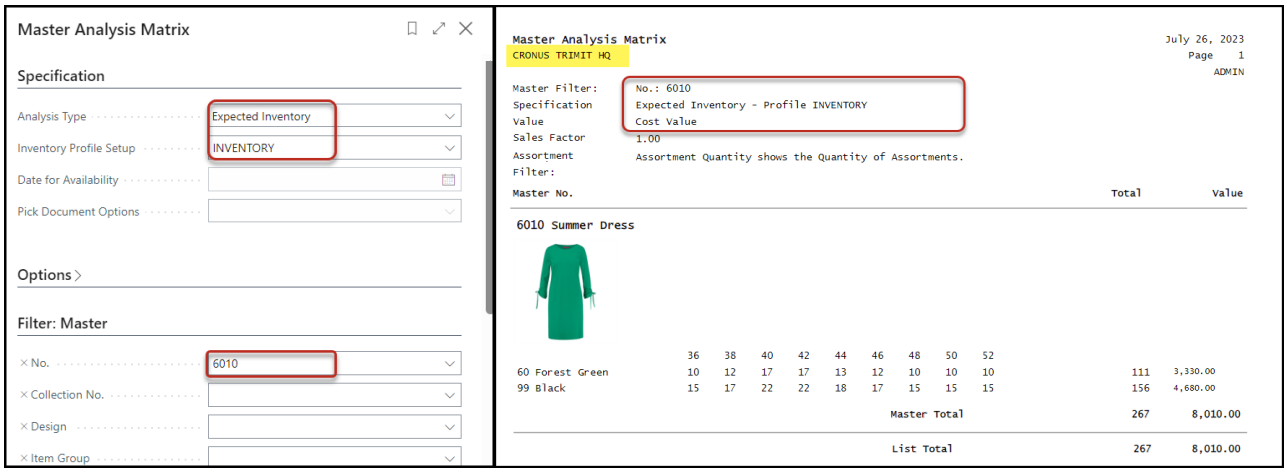
EXTERNAL PURCHASE ORDERS / PRODUCTION ORDERS

The procedure to manage external Purchase Orders or Production Orders in the *Headquarter* or the *SUB(s)* does not change within the Intercompany structure in comparison to the handling in 'normal' companies.

For our example and setups for Intercompany, it would mean that we could simply post the receipt and invoice of the external Purchase Order (*0200004* created in In Headquarter) in the company *CRONUS TRIMIT-HQ* of the *Headquarter.*
This means that the Inventory in *Headquarter* will change:

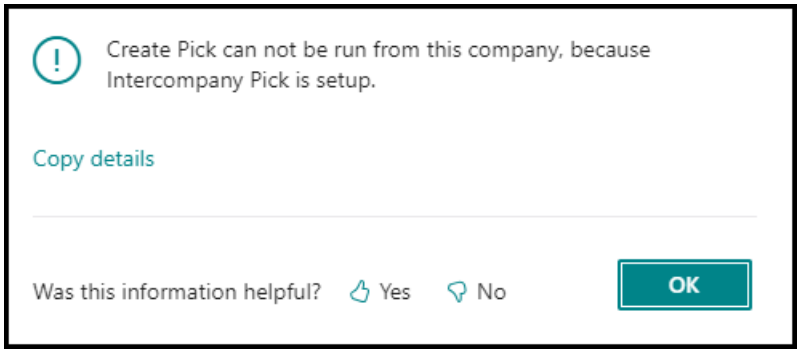


PICK DOCUMENTS / SHIPMENTS

The creation of TRIMIT Pick Documents and the calculation of **Quantity to be Picked** is based on the quantity on Inventory – quantity in existing Pick Documents.

You can only create Pick Documents in the *Headquarter* – for the *Headquarter* and for all the *SUB(s)* in the Intercompany Relations with **Relation Type** is set to *Create IC Sales (Automatic)* and **Intercompany Pick** set to *Yes*.

NOTE
If you even try to create the Pick Documents in *SUB* with **Intercompany Pick** is *Yes,* you will get an error:



This also implies that ALL the Items that are sold by the SUB will be delivered via the *Headquarter.*
That is the way that TRIMIT Intercompany with **Intercompany Pick** set to *Yes* works based on the requests of our customers!

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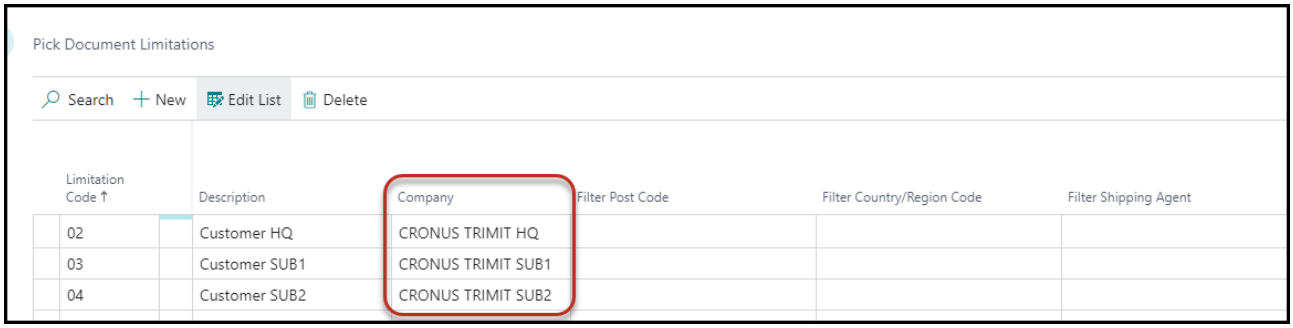
That means that you need to be careful when creating TRIMIT Pick Documents in the *Headquarter* because a *SUB* will also be delivered based on the Inventory of the *Headquarter.*

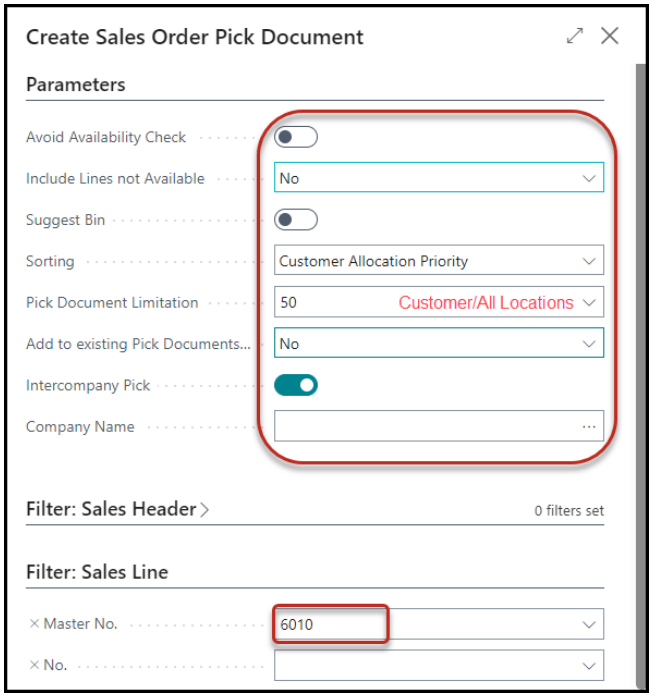
Therefore, if there might be shortage of items, the first company for which the TRIMIT Pick Documents are created in the *Headquarter* might always get the total **Quantity to be Picked**, where the last company for which the TRIMIT Pick Documents are created in the *Headquarter* might always get the shortages.

If you do not want this to happen, you could filter on specific Locations that can be used:
For every company (*Headquarter, SUB1* and *SUB2*) an own Location.
This also means that if Purchase Orders are received or Production Orders are finished in the *Headquarter,* you need to use the **Item Reclassification Journal** to re-allocate the Inventory to the specific Locations!
In that case, you also need a checkmark in the **Intercompany Relations** for **Intercompany per Location** and make sure that in the **Inventory Setup** the field **Location Mandatory** is also set to *Yes.*

In the **Pick Document Limitations**, it is also possible to set a filter for one specific **Company**:



This field **Company** is not in the page by default; you need to add it via ***Personalize*.**
This gives you the possibility to "prioritize" specific companies in your Intercompany structure for assigning Stock to the Sales Orders, by running the MRP Calculation several times with different **Limitation Codes**.



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NOTE 1

You see two extra ***Parameters***: **Intercompany Pick** and **Company Name** because we setup the **Intercompany Relation** with **CRONUS TRIMIT SUB2** (*SUB2*) with **Intercompany Pick** is set to *Yes.*

For more details regarding the **Pick Document Limitations** and the other Parameters of this report, see ***White Paper – TRIMIT Pick and Reallocation***.

PARAMETERS

INTERCOMPANY PICK = NO

Only Pick Documents for current (*Headquarter)* company will be created.

INTERCOMPANY PICK = YES AND COMPANY NAME IS BLANK

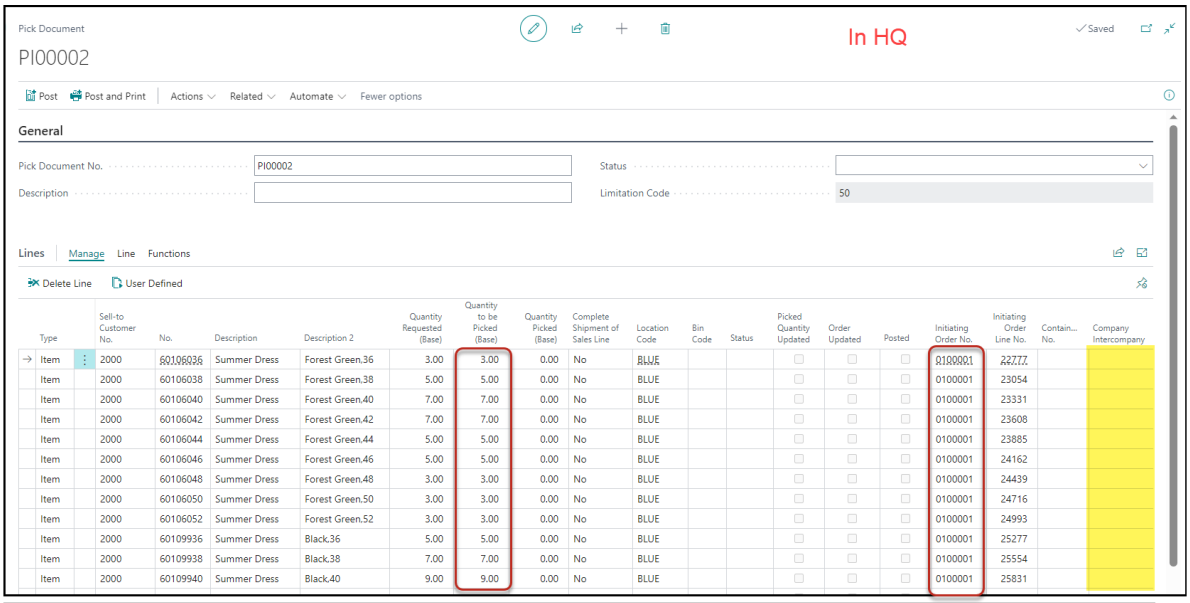
First, the Pick Documents for current (*Headquarter)* company will be created.
Afterwards, the Intercompany Pick Documents for the *SUB(s)* will be created.

INTERCOMPANY PICK = YES AND COMPANY NAME IS FILLED

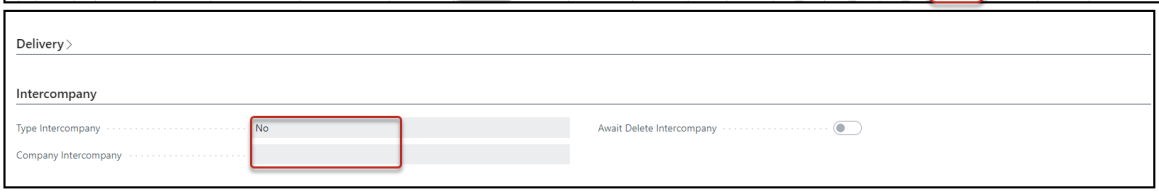
Only for the **Company Name** (*Headquarter* or *SUB(s)* the Pick Documents will be created.
This gives you the possibility to favor the *SUB* before the *Headquarter* if you want to.

CREATED PICK DOCUMENTS

Therefore, if we have **Intercompany Pick** = *Yes* and **Company Name** is *Blank* the system will create Pick Documents for Sales Orders of the *Headquarter* and for Sales Orders of the *SUB(s)* in the company of the *Headquarter:*



Type	Sell-to Customer No.	No.	Description	Description 2	Quantity Requested (Base)	Quantity to be Picked (Base)	Quantity Picked (Base)	Complete Shipment of Sales Line	Location Code	Bin Code	Status	Picked Quantity Updated	Order Updated	Posted	Initiating Order No.	Initiating Order Line No.	Contain... No.	Company Intercompany
Item	2000	60106036	Summer Dress	Forest Green,36	3.00	3.00	0.00	No	BLUE						0100001	22777		
Item	2000	60106038	Summer Dress	Forest Green,38	5.00	5.00	0.00	No	BLUE						0100001	23054		
Item	2000	60106040	Summer Dress	Forest Green,40	7.00	7.00	0.00	No	BLUE						0100001	23331		
Item	2000	60106042	Summer Dress	Forest Green,42	7.00	7.00	0.00	No	BLUE						0100001	23608		
Item	2000	60106044	Summer Dress	Forest Green,44	5.00	5.00	0.00	No	BLUE						0100001	23885		
Item	2000	60106046	Summer Dress	Forest Green,46	5.00	5.00	0.00	No	BLUE						0100001	24162		
Item	2000	60106048	Summer Dress	Forest Green,48	3.00	3.00	0.00	No	BLUE						0100001	24439		
Item	2000	60106050	Summer Dress	Forest Green,50	3.00	3.00	0.00	No	BLUE						0100001	24716		
Item	2000	60106052	Summer Dress	Forest Green,52	3.00	3.00	0.00	No	BLUE						0100001	24993		
Item	2000	60109936	Summer Dress	Black,36	5.00	5.00	0.00	No	BLUE						0100001	25277		
Item	2000	60109938	Summer Dress	Black,38	7.00	7.00	0.00	No	BLUE						0100001	25554		
Item	2000	60109940	Summer Dress	Black,40	9.00	9.00	0.00	No	BLUE						0100001	25831		



In Company *Headquarter* the Pick Document for Sales Order *0100001* of the *Headquarter*.
Type Intercompany is *No*.
Company Intercompany is *blank*.

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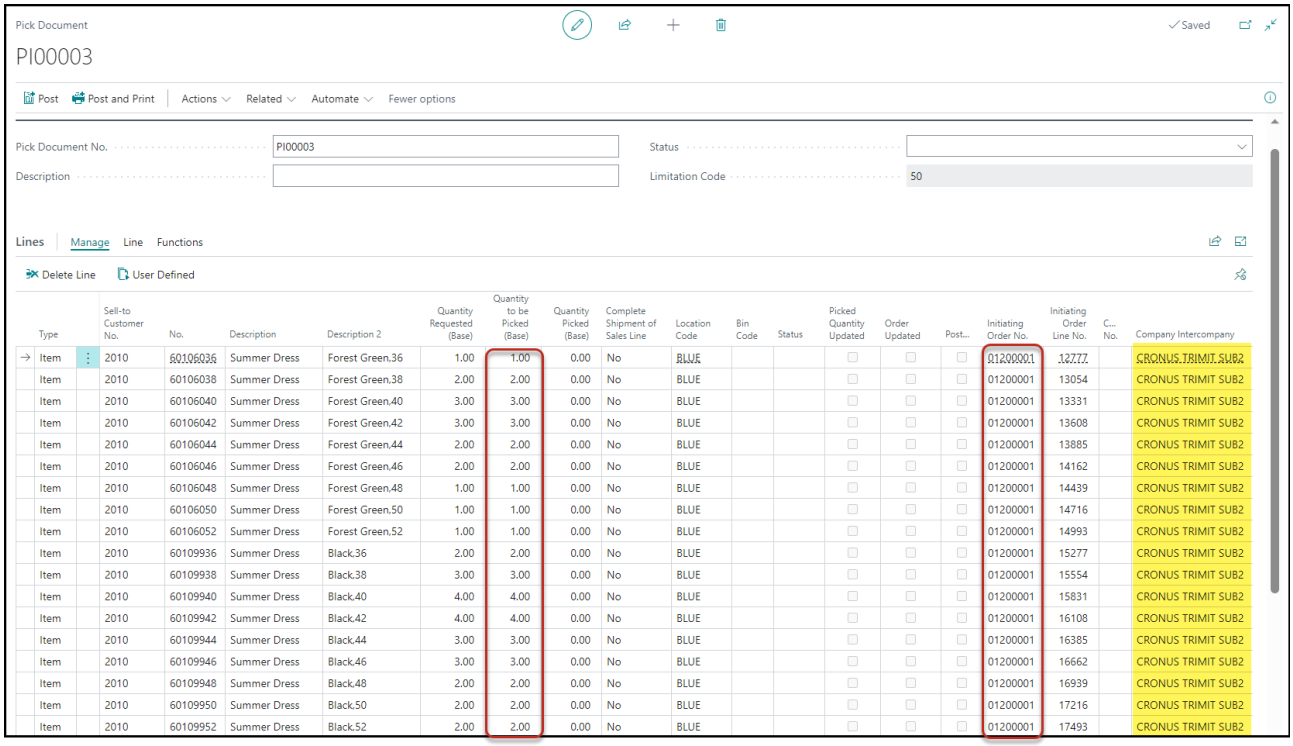
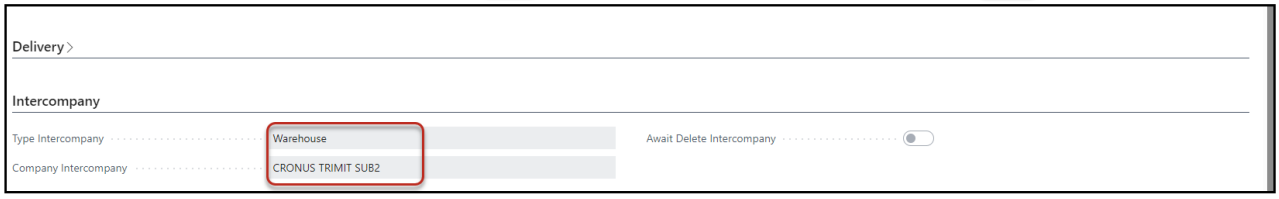


Type	Sell-to Customer No.	No.	Description	Description 2	Quantity Requested (Base)	Quantity to be Picked (Base)	Quantity Picked (Base)	Complete Shipment of Sales Line	Location Code	Bin Code	Status	Picked Quantity Updated	Order Updated	Post...	Initiating Order No.	Initiating Order Line No.	C... No.	Company Intercompany
Item	2010	60106036	Summer Dress	Forest Green,36	1.00	1.00	0.00	No	BLUE						01200001	12777		CRONUS TRIMIT SUB2
Item	2010	60106038	Summer Dress	Forest Green,38	2.00	2.00	0.00	No	BLUE						01200001	13054		CRONUS TRIMIT SUB2
Item	2010	60106040	Summer Dress	Forest Green,40	3.00	3.00	0.00	No	BLUE						01200001	13331		CRONUS TRIMIT SUB2
Item	2010	60106042	Summer Dress	Forest Green,42	3.00	3.00	0.00	No	BLUE						01200001	13608		CRONUS TRIMIT SUB2
Item	2010	60106044	Summer Dress	Forest Green,44	2.00	2.00	0.00	No	BLUE						01200001	13885		CRONUS TRIMIT SUB2
Item	2010	60106046	Summer Dress	Forest Green,46	2.00	2.00	0.00	No	BLUE						01200001	14162		CRONUS TRIMIT SUB2
Item	2010	60106048	Summer Dress	Forest Green,48	1.00	1.00	0.00	No	BLUE						01200001	14439		CRONUS TRIMIT SUB2
Item	2010	60106050	Summer Dress	Forest Green,50	1.00	1.00	0.00	No	BLUE						01200001	14716		CRONUS TRIMIT SUB2
Item	2010	60106052	Summer Dress	Forest Green,52	1.00	1.00	0.00	No	BLUE						01200001	14993		CRONUS TRIMIT SUB2
Item	2010	60109936	Summer Dress	Black,36	2.00	2.00	0.00	No	BLUE						01200001	15277		CRONUS TRIMIT SUB2
Item	2010	60109938	Summer Dress	Black,38	3.00	3.00	0.00	No	BLUE						01200001	15554		CRONUS TRIMIT SUB2
Item	2010	60109940	Summer Dress	Black,40	4.00	4.00	0.00	No	BLUE						01200001	15831		CRONUS TRIMIT SUB2
Item	2010	60109942	Summer Dress	Black,42	4.00	4.00	0.00	No	BLUE						01200001	16108		CRONUS TRIMIT SUB2
Item	2010	60109944	Summer Dress	Black,44	3.00	3.00	0.00	No	BLUE						01200001	16385		CRONUS TRIMIT SUB2
Item	2010	60109946	Summer Dress	Black,46	3.00	3.00	0.00	No	BLUE						01200001	16662		CRONUS TRIMIT SUB2
Item	2010	60109948	Summer Dress	Black,48	2.00	2.00	0.00	No	BLUE						01200001	16939		CRONUS TRIMIT SUB2
Item	2010	60109950	Summer Dress	Black,50	2.00	2.00	0.00	No	BLUE						01200001	17216		CRONUS TRIMIT SUB2
Item	2010	60109952	Summer Dress	Black,52	2.00	2.00	0.00	No	BLUE						01200001	17493		CRONUS TRIMIT SUB2



In Company *Headquarter,* the Pick Document for Sales Order *01200001* of the *SUB2*.

Type Intercompany is *Warehouse* (this Pick Document is in the *Warehouse* Company: The *Headquarter*)

Company Intercompany is *CRONUS TRIMIT SUB2* (the name of the Company of the *SUB*).

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Pick Document

PI00004

Post | Post and Print | Actions | Related | Automate | Fewer options

General

Pick Document No. PI00004

Status

Description

Limitation Code 50

Lines Manage Line Functions

Delete Line | User Defined

Type	Sell-to Customer No.	No.	Description	Description 2	Quantity Requested (Base)	Quantity to be Picked (Base)	Quantity Picked (Base)	Complete Shipment of Sales Line	Location Code	Bin Code	Status	Picked Quantity Updated	Order Updated	Post...	Initiating Order No.	Initiating Order Line No.	C... No.	Company Intercompany
Item	2020	60106036	Summer Dress	Forest Green,36	2.00	2.00	0.00	No	BLUE						01200002	12777		CRONUS TRIMIT SUB2
Item	2020	60106038	Summer Dress	Forest Green,38	3.00	3.00	0.00	No	BLUE						01200002	13054		CRONUS TRIMIT SUB2
Item	2020	60106040	Summer Dress	Forest Green,40	4.00	4.00	0.00	No	BLUE						01200002	13331		CRONUS TRIMIT SUB2
Item	2020	60106042	Summer Dress	Forest Green,42	4.00	4.00	0.00	No	BLUE						01200002	13608		CRONUS TRIMIT SUB2
Item	2020	60106044	Summer Dress	Forest Green,44	3.00	3.00	0.00	No	BLUE						01200002	13885		CRONUS TRIMIT SUB2
Item	2020	60106046	Summer Dress	Forest Green,46	3.00	3.00	0.00	No	BLUE						01200002	14162		CRONUS TRIMIT SUB2
Item	2020	60106048	Summer Dress	Forest Green,48	2.00	2.00	0.00	No	BLUE						01200002	14439		CRONUS TRIMIT SUB2
Item	2020	60106050	Summer Dress	Forest Green,50	2.00	2.00	0.00	No	BLUE						01200002	14716		CRONUS TRIMIT SUB2
Item	2020	60106052	Summer Dress	Forest Green,52	2.00	2.00	0.00	No	BLUE						01200002	14993		CRONUS TRIMIT SUB2
Item	2020	60109936	Summer Dress	Black,36	3.00	3.00	0.00	No	BLUE						01200002	15277		CRONUS TRIMIT SUB2
Item	2020	60109938	Summer Dress	Black,38	4.00	4.00	0.00	No	BLUE						01200002	15554		CRONUS TRIMIT SUB2
Item	2020	60109940	Summer Dress	Black,40	5.00	5.00	0.00	No	BLUE						01200002	15831		CRONUS TRIMIT SUB2
Item	2020	60109942	Summer Dress	Black,42	5.00	5.00	0.00	No	BLUE						01200002	16108		CRONUS TRIMIT SUB2
Item	2020	60109944	Summer Dress	Black,44	4.00	4.00	0.00	No	BLUE						01200002	16385		CRONUS TRIMIT SUB2
Item	2020	60109946	Summer Dress	Black,46	4.00	4.00	0.00	No	BLUE						01200002	16662		CRONUS TRIMIT SUB2
Item	2020	60109948	Summer Dress	Black,48	3.00	3.00	0.00	No	BLUE						01200002	16939		CRONUS TRIMIT SUB2
Item	2020	60109950	Summer Dress	Black,50	3.00	3.00	0.00	No	BLUE						01200002	17216		CRONUS TRIMIT SUB2
Item	2020	60109952	Summer Dress	Black,52	3.00	3.00	0.00	No	BLUE						01200002	17493		CRONUS TRIMIT SUB2

Delivery

Intercompany

Type Intercompany Warehouse

Company Intercompany CRONUS TRIMIT SUB2

Await Delete Intercompany

In Company *Headquarter,* the Pick Document for Sales Order *01200002* of the *SUB2*.

Type Intercompany is *Warehouse* (this Pick Document is in the *Warehouse* Company: The *Headquarter*)

Company Intercompany is *CRONUS TRIMIT SUB2* (the name of the Company of the *SUB*).

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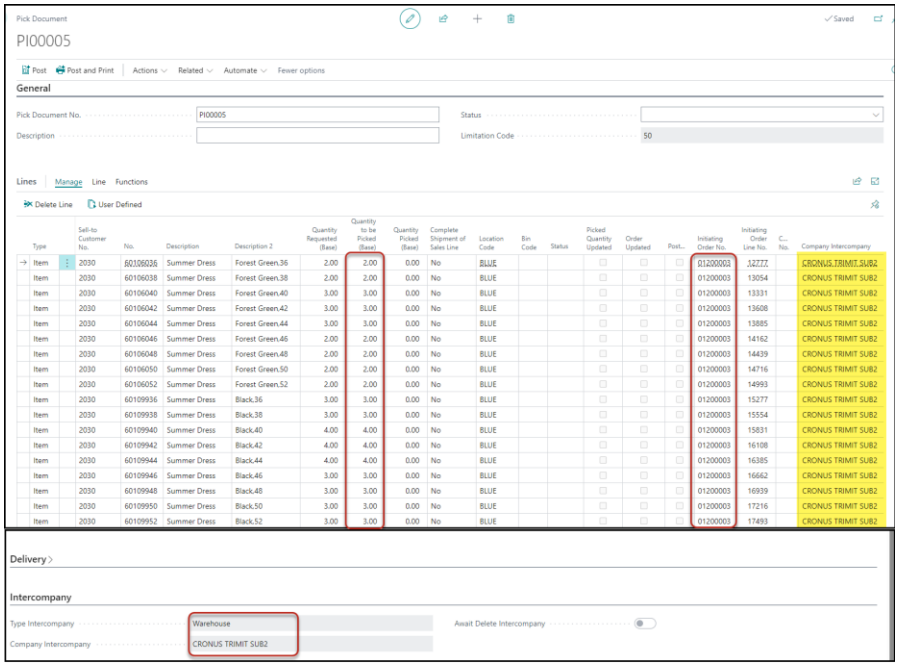
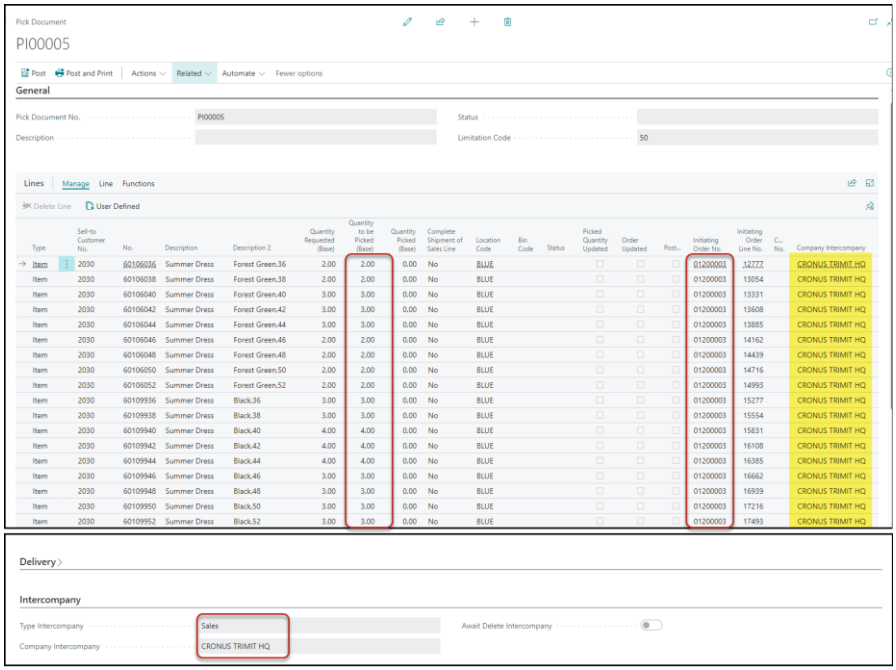


In Company *Headquarter,* the Pick Document for Sales Order *01200003* of the *SUB2*.
Type Intercompany is *Warehouse* (this Pick Document is in the *Warehouse* Company: The *Headquarter*)
Company Intercompany is *CRONUS TRIMIT SUB2* (the name of the Company of the *SUB*).

Besides the Pick Document in the *Headquarter* Company, also the Pick Documents in the *SUB(s)* have been created with only a few differences.
I.e., for Pick Document *PI00005* (the same number as in the *Headquarter*):



In Company *SUB2,* the Pick Document for Sales Order *01200003* of the *SUB2*.
Type Intercompany is *Sales* (this Pick Document is in the *Sales* Company: The *SUB*)
Company Intercompany is *CRONUS TRIMIT HQ* (the name of the Company of the *Headquarter* where this Pick Document was originally created).

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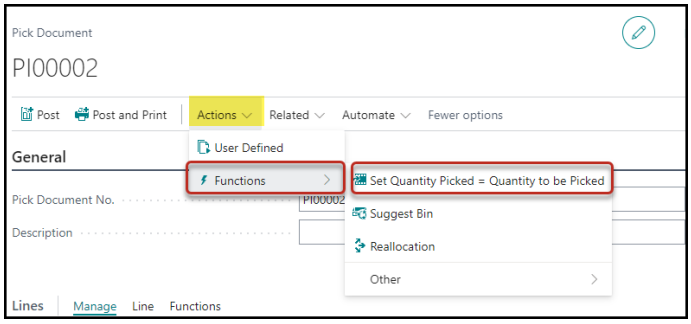
NOTE
Make sure, that the **TRIMIT Pick Documents** numbers in the *Headquarter* and the *SUB(s)* do NOT have the same number range.
It could still be that you want to create TRIMIT Pick Documents in the *SUB(s)* for Items that are NOT bought from the *Headquarter* and they should not conflict with the number range of the *Headquarter.*

POSTING PICK DOCUMENTS

After the creation of the TRIMIT Pick Documents in the *Headquarter* with a "copy" in the *SUB(s)*, you can simply post the Shipment and Invoice in the *Headquarter* the way you want to.

I.e., Via ***Actions, Functions, Set Quantity Picked = Quantity to be Picked***



If you post a Pick Document in the *Headquarter* with **Type Intercompany** is *No*, it is handled as usual:

- **Posted Pick Document** will be created.
- **Posted Shipment**(s) and **Posted Invoice**(s) will be created based on the Parameter **Sales Posting Derived from Pick** in the **Inventory Setup**.
- All related entries for Shipments and Invoices (Item Ledger Entry, Value Entry, G/L Entries, etc.) will be created.

If you post a Pick Document in the *Headquarter* with **Type Intercompany** is *Warehouse,* it is handled differently:

- Only **Posted Pick Documents** will be created.
- Pick Document will stay in the List of Pick Documents until the corresponding Pick Document in the *SUB(s)* has been posted: the field **Await Delete Intercompany** in the Pick Document will be set to *Yes*.

- The **Quantity Picked** in the corresponding Pick Document in the *SUB(s)* will be updated with the Posted quantities.

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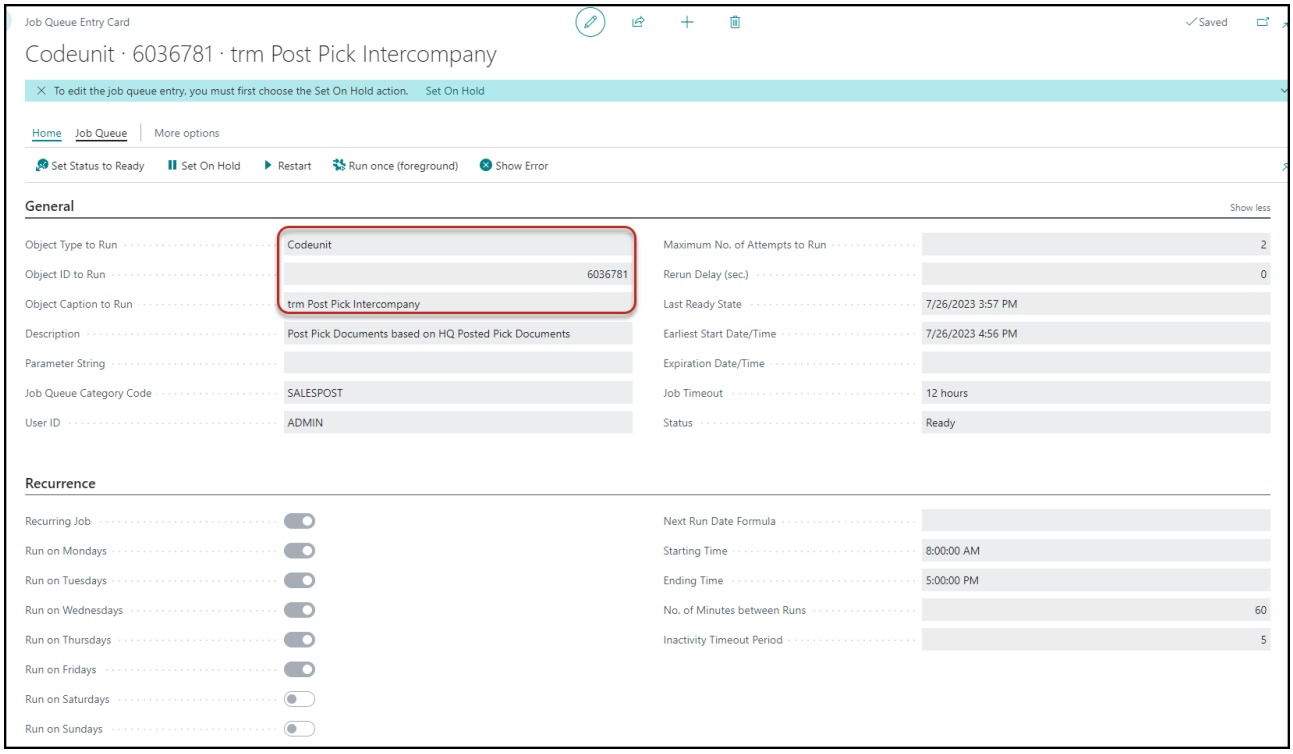
If you post a Pick Document in the *SUB(s)* with **Type Intercompany** is *Sales,* it is handled differently:

- **Posted Pick Document** will be created.
- **Posted Shipment**(s) and **Posted Invoice**(s) will be created based on the Parameter **Sales Posting Derived from Pick** in the **Inventory Setup**.
- All related entries for Shipments and Invoices (Item Ledger Entry, Value Entry, G/L Entries, etc.) will be created.
- The corresponding Pick Document in the *Headquarter* will be deleted as well as the Pick Document in the *SUB(s)*.

JOB QUEUE IN SUB(S) FOR POSTING PICK DOCUMENTS

Because the actual picking and posting of the Pick Documents will take place in the *Headquarter*, you might want to take the Codeunit ***6036781 trm Post Pick Intercompany*** in a Job Queue (**Search** *Job Queue*) in your *SUB(s).* That way it is executed automatically for all the Posted Pick Documents in the *Headquarter* with **Type Intercompany** is *Warehouse.* I.e.:



NOTE

Be aware that posting via the **Job Queue** will set the **Posting Date** of the **Posted Pick Document** to the actual Windows Date i.e., *07/26/2023*, not to the Work Date *01/01/2023.*
This might give a problem in the TRIMIT Demo Sites or TRIMIT Demo Company, but probably not in real life.

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CREATE INTERCOMPANY PURCHASE ORDERS IN SUB(S)

After you created the **Posted Pick Documents** in the *SUB(s),* the Intercompany Purchase Orders can be created in the *SUB(s).*
This can be based on two options of **Include Make-to-Stock** in the Intercompany Relation to the *Headquarter*:

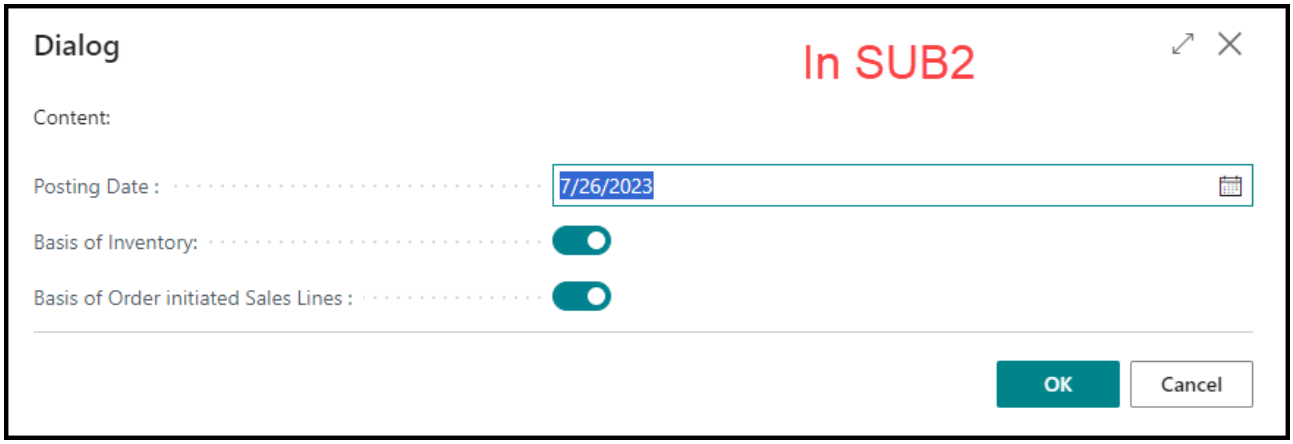
- *Apply Negative Inventory* as described in IC Process – Apply Negative Inventory in which the quantities for the Intercompany Purchase Order will be determined based on the Negative Inventory in the *SUB(s)*.
- *Posted Intercompany Pick* as described in IC Process - Posted Intercompany Pick in which the quantities for the Intercompany Purchase Order will be determined based on the Posted Pick Documents in the *SUB(s)* with **Type Intercompany** is *Sales*.

If you want to do this every day, week or month depends on the frequency in which you analyze your financial position over all the companies.

GENERATE PURCHASE ORDERS

The program to create the Intercompany Purchase Orders in the *SUB(s)* can be found via **Search** *Generate Purchase Orders.*

If you start the program, you will see a Dialog Page:



DESCRIPTION OF THE FIELDS

POSTING DATE

For the calculation of the quantities in case of *Negative Inventory,* this Date will be the filter for the **Posting Date** of the Item Ledger Entries, Sales Orders and Production Decrease.
For the calculation of the quantities in case of *Posted Intercompany Pick,* this Date will be the filter for the **Posting Date** Posted Pick Document.
I.e., *07/26/23* means a Date filter "until 07/26/23"

BASIS OF INVENTORY

Should the quantity be calculated for Items with **Replenishment Policy** is *Inventory?*
Usually, you will always have a checkmark in this option.

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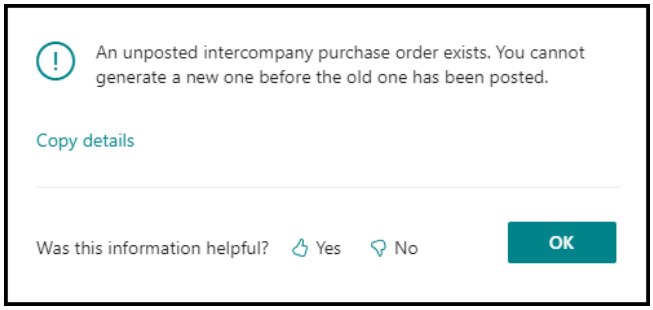
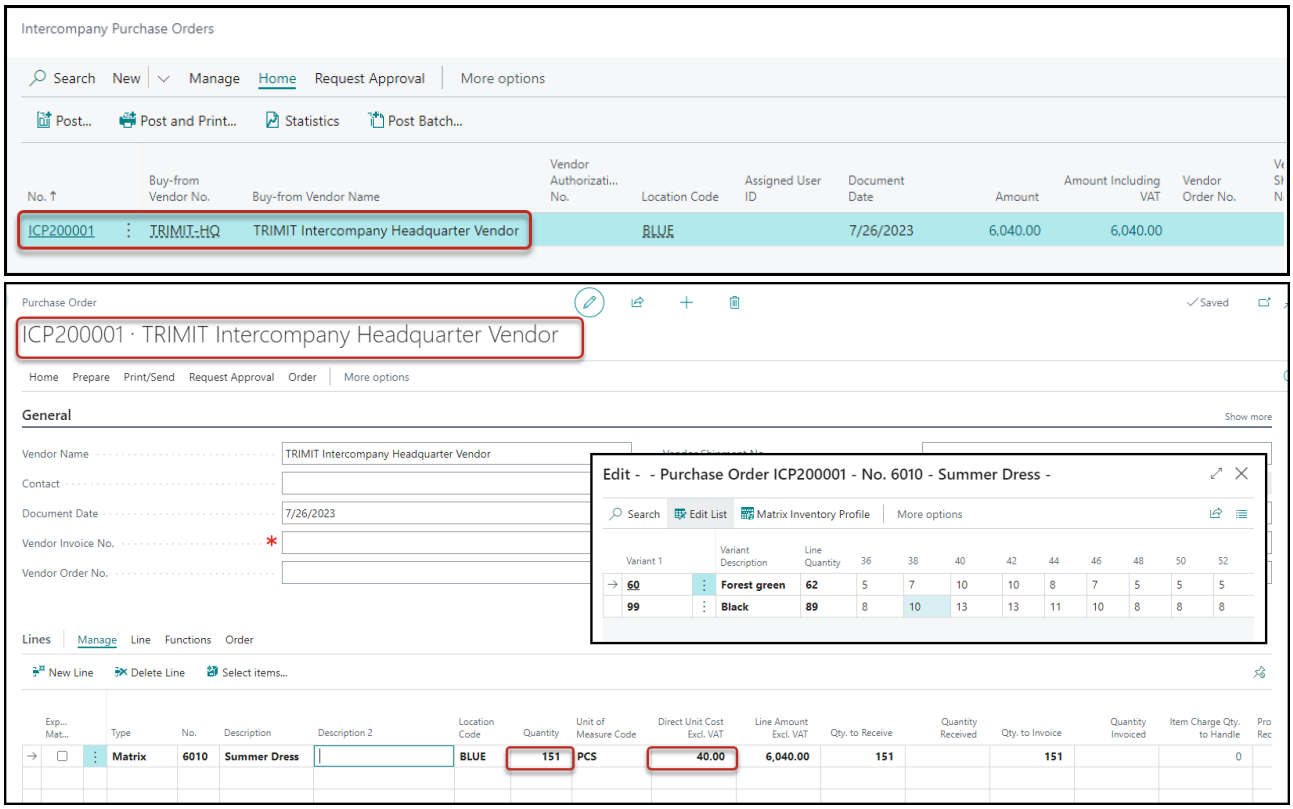
BASIS OF ORDER INITIATED SALES LINES

This option will only appear if the field **Include Make-to-Order** in the **Intercompany Relations** for the *Headquarter* is set to *Yes.*
In that case, you can determine with a checkmark if also Intercompany Purchase Orders should be created for Items with **Replenishment Policy** is *Order.*

If there are still unposted **Intercompany Purchase Orders**, you will get an error. They first need to be posted before you can create new **Intercompany Purchase Orders.**



Now a new **Intercompany Purchase Order** *ICP000001* is created based on the Posted Pick Documents in the *SUB(s)* with **Type Intercompany** is *Sales.* This order can be found via **Search** *Intercompany Purchase Orders* but also in the normal list of Purchase Orders*:*



The **Buy-from Vendor No.** of the Intercompany Purchase Orders is determined by the **Vendor No.** in the **Intercompany Relations** of the *Headquarter.*
The **Direct Unit Cost** of the Items in our example is based on the Sales Prices of the Items in the *Headquarter* for the Customer Price Group *IC.*
As stated earlier it could also be based on the Purchase Prices in the *SUB(s)* for the Vendor No. *Headquarter*.

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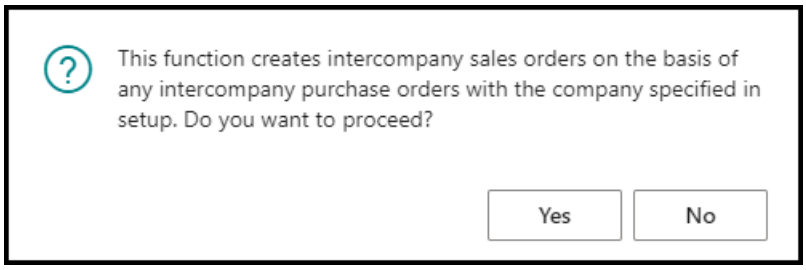
CREATE INTERCOMPANY SALES ORDERS IN HEADQUARTER

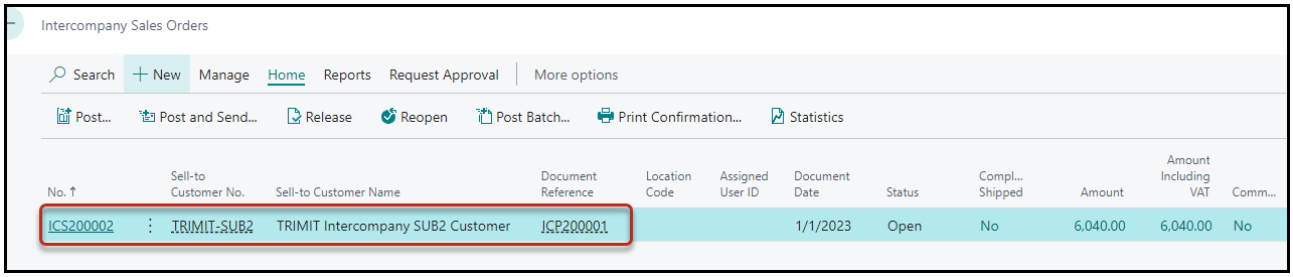
After the Intercompany Purchase Orders have been created in the *SUB(s),* you can also create the Intercompany Sales Orders in the *Headquarter.*
The Intercompany Sales Orders in the *Headquarter* will simply be the 'copy' of the Intercompany Purchase Orders in the *SUB(s).*

You can create the **Intercompany Sales Orders** via **Search** *Intercompany Create Sales* in the company *CRONUS TRIMIT HQ* of the *Headquarter.* You will get the following message:

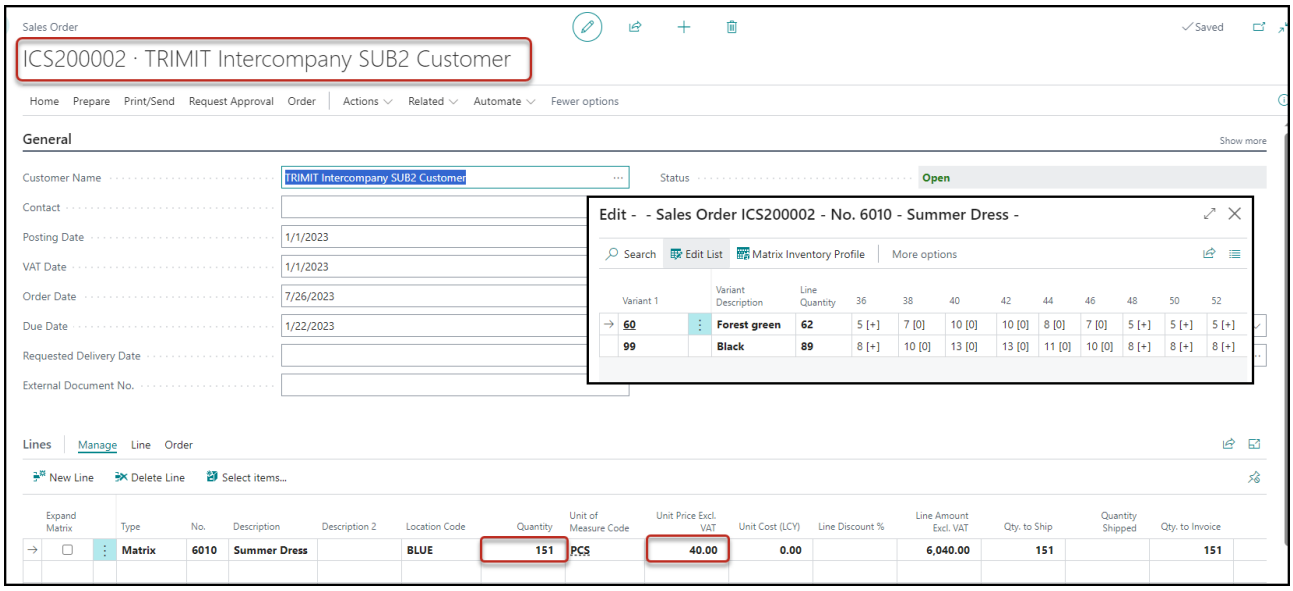


Click **Yes**.

You can see the created **Intercompany Sales Orders** via **Search** *Intercompany Sales Orders* or in the regular list of Sales Orders.



The number of the **Intercompany Sales Order** in the *Headquarter* will also be filled in the **Vendor Order No.** of the corresponding **Intercompany Purchase Order** in the *SUB(s).*



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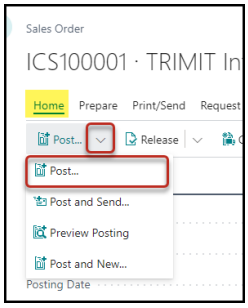
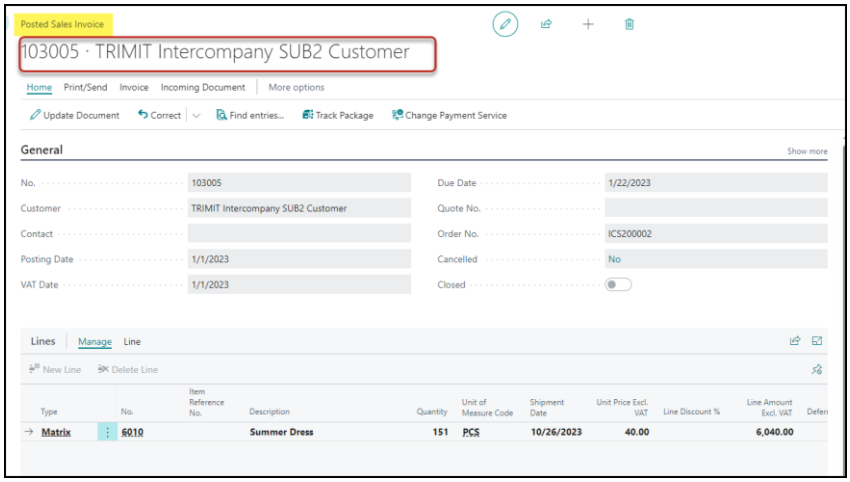
The **Customer Name** of the Intercompany Sales Orders is the Name of the **Customer No.** of the specific *SUB* in the **Intercompany Relations.**
The **Unit Price** on the Lines is simply the **Direct Unit Cost** of the Intercompany Purchase Lines where it was based off.

POSTING INTERCOMPANY SALES ORDERS IN HEADQUARTER

After the Intercompany Sales Orders have been created in the *Headquarter.* You can simply post them immediately by clicking ***Home, Post, Post*** or pressing **F9** in the Intercompany Sales Orders because the goods have already been shipped to the external customers of the *SUB(s)*.



After posting, you can see the **Posted Shipment** and/or **Posted Invoice** via ***Posted Documents*.**



POSTING INTERCOMPANY PURCHASE ORDERS IN SUB(S)

After the Intercompany Sales Orders have been posted in the *Headquarter,* you can post the Intercompany Purchase Orders in the *SUB(s).*

You can already see in the **Intercompany Purchase Order** in the *SUB(s),* that the **Vendors Invoice No.** has been filled automatically with the **Posted Sales Invoice No.** from the *Headquarter.*

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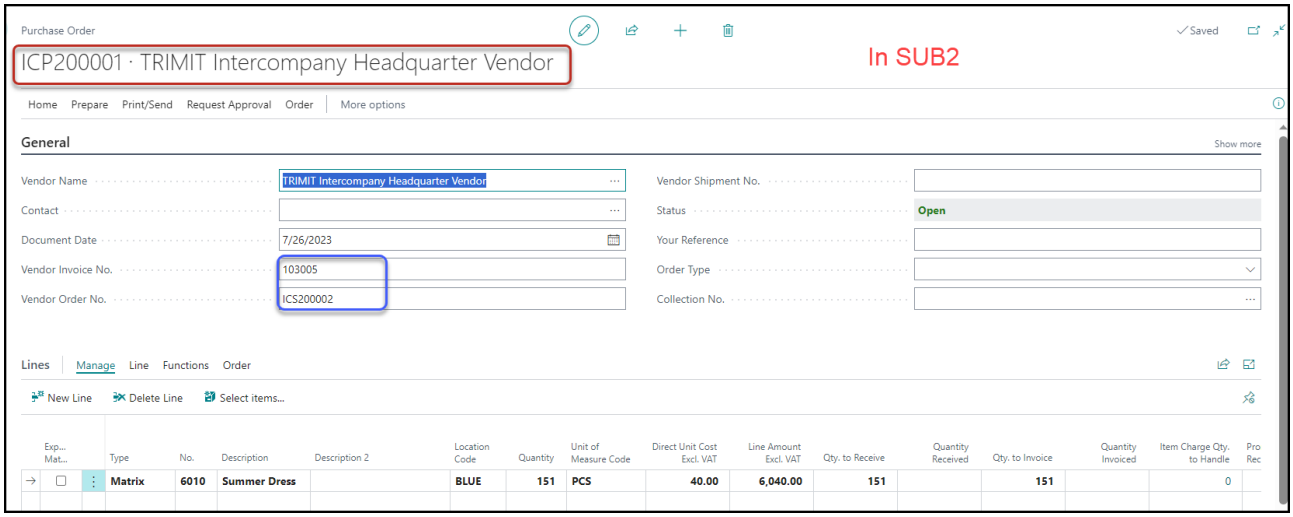
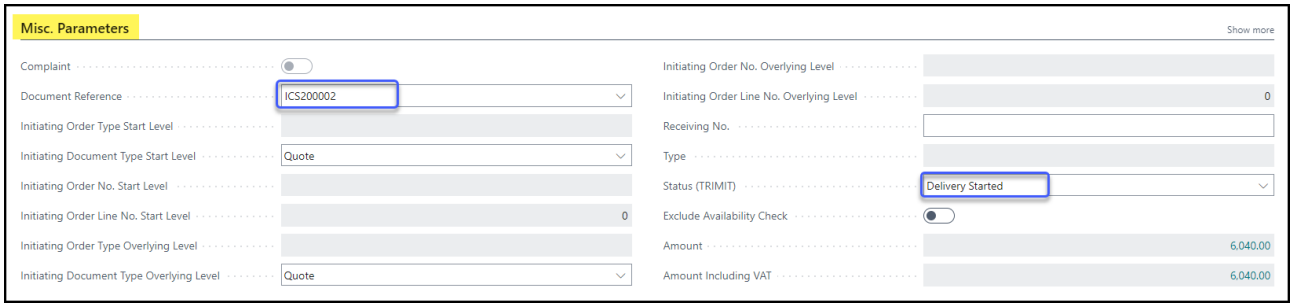


This information is also 'passed-on' to the **Posted Purchase Invoice** if you post the **Intercompany Purchase Order** simply in the order.

Also, by posting the **Intercompany Sales Order** in the *Headquarter*, the field **Status (TRIMIT)** has been updated to *Delivery Started* and the **Document Reference** has been filled by the **Intercompany Sales Order** in the *Headquarter*.



After posting the **Intercompany Purchase Order** in the SUB(s), the information of the **Vendor Order No.** and **Vendor Invoice No.** is also copied into the Posted Purchase Invoice**:**

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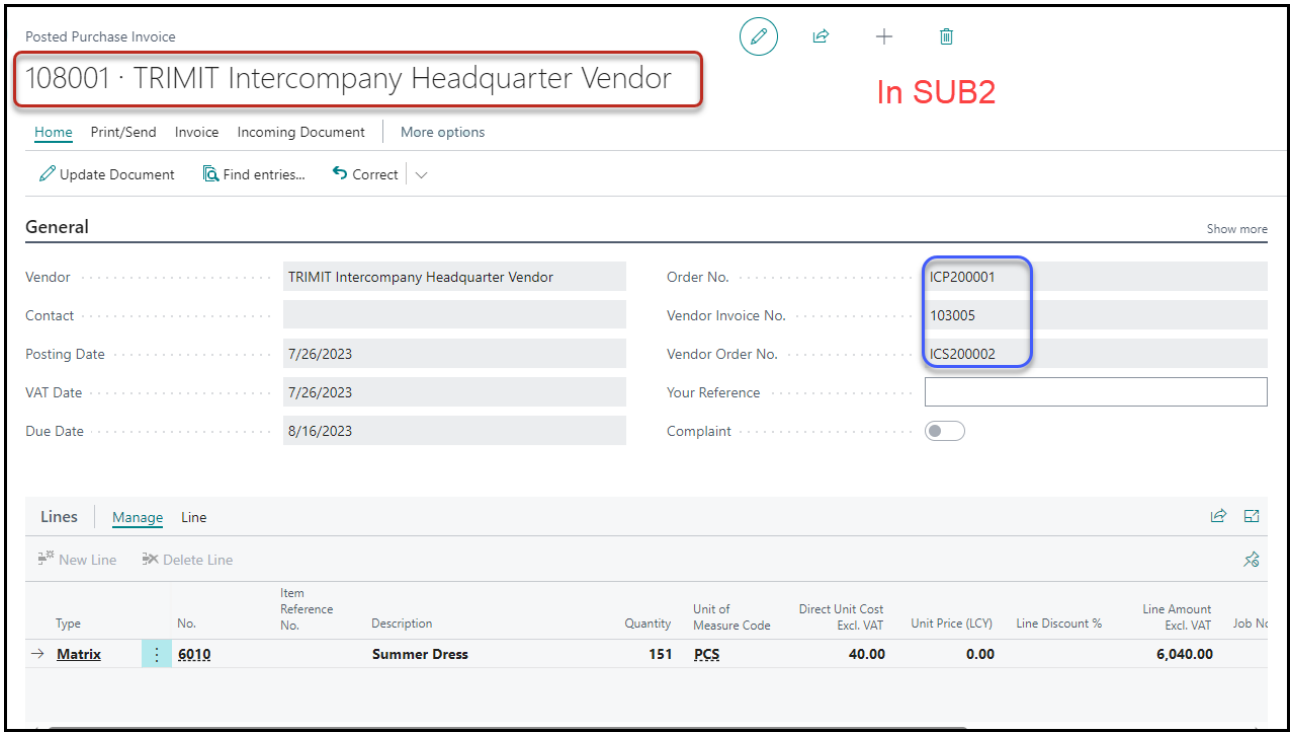

The **Order No.** relates to the original **Intercompany Purchase Order** in *SUB2.*
The **Vendor Invoice No.** relates to the original **Posted Sales Invoice** in the *Headquarter.*
The **Vendor Order No.** relates to the original **Intercompany Sales Order** in the *Headquarter.*

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TOTAL FINANCIAL RESULT

If all the Intercompany Sales Orders in the *Headquarter* are posted.
If all the Intercompany Purchase Orders in the *SUB(s)* are posted.

The total of the "Intercompany Receivables Account" in the *Headquarter* and the totals of the "Intercompany Payables Account" in the *SUB(s)* will be equal.

The total of the "Intercompany Sales Account" in the *Headquarter* and the totals of the "Intercompany Purchase Account" in the *SUB(s)* will be equal.

Chart of Accounts: Custom filtered | Search | New | Delete | Edit List | Home | Account | Balance | Navig

GBP — In HQ

No.	Name	Net Change	Balance	Income/Balance
9992325	Customers, Intercompany +	22,621.25	22,621.25	Balance Sheet
9996135	Sales, Retail - Intercompany +	-19,305.00	-19,305.00	Income Statement

Chart of Accounts: Custom filtered | Search | New | Delete | Edit List | Home | Account | Balance | Naviga

GBP — in SUB1

No.	Name	Net Change	Balance	Income/Balance
9995425	Vendors, Intercompany +	-16,581.25	-16,581.25	Balance Sheet
9997135	Purchase, Retail - Intercompany +	13,265.00	13,265.00	Income Statement

Chart of Accounts: Custom filtered | Search | New | Delete | Edit List | Home | Account | Balance | Navigat

EUR — in SUB2

No.	Name	Net Change	Balance	Income/Balance
9995425	Vendors, Intercompany +	-9,352.74	-9,352.74	Balance Sheet
9997135	Purchase, Retail - Intercompany +	9,352.74	9,352.74	Income Statement

In our examples:
9352.74 EUR = 6040 GBP

Customer/Vendor:	22,621.25 – 16,581.25 – 6,040.00	= 0
Sales/Purchase:	-19,305.00 + 13,265.00 + 6,040.00	= 0

If these totals do not match, you might have forgotten to post Intercompany Sales-/Purchase Orders.

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SUMMARY PROCESS INTERCOMPANY PICK

1. Design in *Headquarter*
2. External Sales Orders in *Headquarter* and *SUB(s)*
3. MRP Calculation in *Headquarter* for total demand
4. TRIMIT Pick Documents in *Headquarter* for Sales Orders of *Headquarter* and *SUB(s)*
5. External Shipments and Sales Invoices in *Headquarter*
6. External Shipments and Sales Invoices in *SUB(s)* (via Job Queue perhaps)
7. Generate (Intercompany) Purchase Orders in *SUB(s)*
8. Generate (Intercompany) Sales Orders in *Headquarter*
9. Post Intercompany Sales Orders in *Headquarter*
10. Post Intercompany Purchase Orders in *SUB(s)*

The steps 1 – 6 will be a daily process.
The steps 7 – 10 might be a weekly or monthly process.

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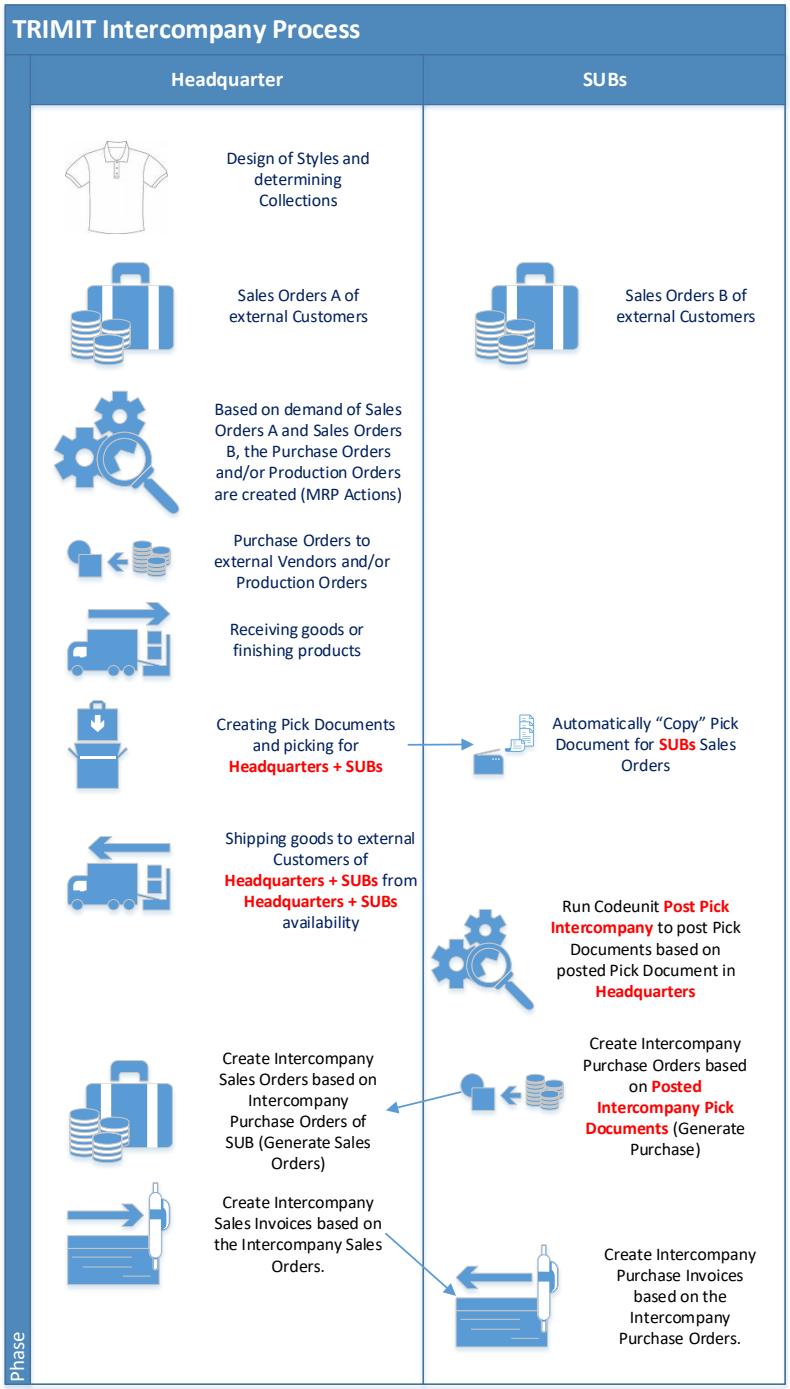
IC PROCESS - POSTED INTERCOMPANY PICK

This chapter contains information regarding the total process within TRIMIT Intercompany when **Include Make-to-Stock** is set to *Posted Intercompany Pick*:

- For this process, you need to have **Intercompany Pick** set to *Yes* in the Intercompany Relations.
- Processes are similar as already described in IC Process - Intercompany Pick
- It only determines how the quantities on the Intercompany Purchase Orders should be determined.

To describe this process, extra data (besides the setups in the first two chapters) has been added or changed in the *Headquarter* and *SUB2*. You can see an overview in Appendix.



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NOTE
Previous processes are the same as described in IC Process - Intercompany Pick.

CREATE INTERCOMPANY PURCHASE ORDERS IN SUB(S)

After you created the **Posted Pick Documents** in the *SUB(s),* the Intercompany Purchase Orders can be created in the *SUB(s).*
The system will create Intercompany Purchase Orders for all **Posted Pick Documents** with **Type Intercompany** is *Sales* in the *SUB(s)*.

In the Table ***6036785 trm Posted Pick Document Line,*** there is a field called **Posting ID**.
Per **Posting ID** in this table, an **Intercompany Purchase Order** will be created.
By using an event (small customization) in Codeunit ***6036781 trm Post Pick Intercompany,*** you could fill this i.e., with the number of the **Posted Pick Document** so you would get an Intercompany Purchase Order per Posted Pick Document.

NOTE
Next processes are the same as described in IC Process - Intercompany Pick.

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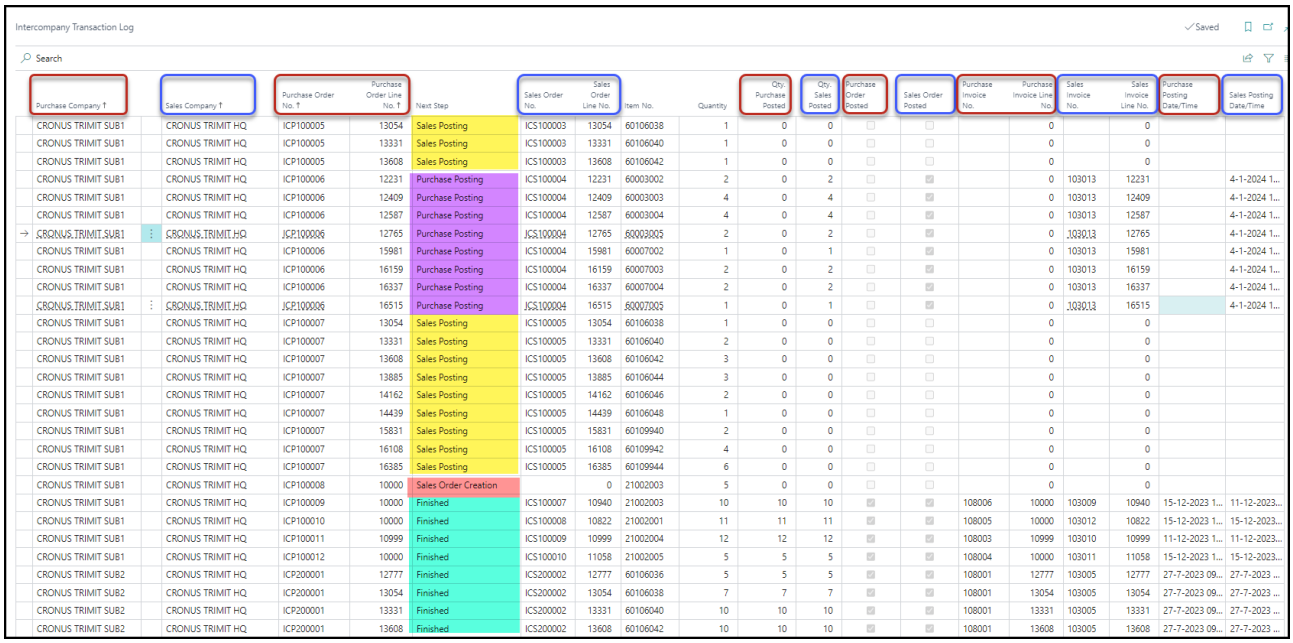
INTERCOMPANY TRANSACTION LOG

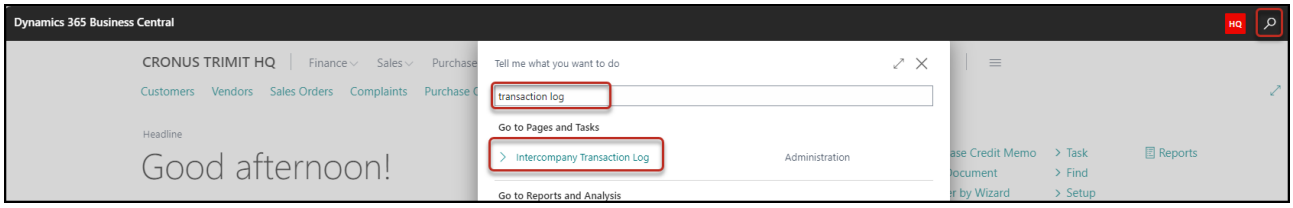
If you create an **Intercompany Purchase Order** a record is created in the **Intercompany Transaction Log**. And from that moment on, every change (corresponding Intercompany Sales Order is created, corresponding Intercompany Sales Order is invoiced, Intercompany Purchase Order is invoiced) will be added in the data of that specific Transaction Log Entry.



Intercompany Transaction Log

Purchase Company	Sales Company	Purchase Order No.	Purchase Order Line No.	Next Step	Sales Order No.	Sales Order Line No.	Item No.	Quantity	Qty. Purchase Posted	Qty. Sales Posted	Purchase Order Posted	Sales Order Posted	Purchase Invoice No.	Purchase Invoice Line No.	Sales Invoice No.	Sales Invoice Line No.	Purchase Posting Date/Time	Sales Posting Date/Time
CRONUS TRIMIT SUB1	CRONUS TRIMIT HQ	ICP100005	13054	Sales Posting	ICS100003	13054	60106038	1	0	0	☐	☐		0		0		
CRONUS TRIMIT SUB1	CRONUS TRIMIT HQ	ICP100005	13331	Sales Posting	ICS100003	13331	60106040	1	0	0	☐	☐		0		0		
CRONUS TRIMIT SUB1	CRONUS TRIMIT HQ	ICP100005	13608	Sales Posting	ICS100003	13608	60106042	1	0	0	☐	☐		0		0		
CRONUS TRIMIT SUB1	CRONUS TRIMIT HQ	ICP100006	12231	Purchase Posting	ICS100004	12231	60003002	2	0	2	☐	☑		0	103013	12231		4-1-2024 1...
CRONUS TRIMIT SUB1	CRONUS TRIMIT HQ	ICP100006	12409	Purchase Posting	ICS100004	12409	60003003	4	0	4	☐	☑		0	103013	12409		4-1-2024 1...
CRONUS TRIMIT SUB1	CRONUS TRIMIT HQ	ICP100006	12587	Purchase Posting	ICS100004	12587	60003004	4	0	4	☐	☑		0	103013	12587		4-1-2024 1...
CRONUS TRIMIT SUB1	CRONUS TRIMIT HQ	ICP100006	12765	Purchase Posting	ICS100004	12765	60003005	2	0	2	☐	☑		0	103013	12765		4-1-2024 1...
CRONUS TRIMIT SUB1	CRONUS TRIMIT HQ	ICP100006	15981	Purchase Posting	ICS100004	15981	60007002	1	0	1	☐	☑		0	103013	15981		4-1-2024 1...
CRONUS TRIMIT SUB1	CRONUS TRIMIT HQ	ICP100006	16159	Purchase Posting	ICS100004	16159	60007003	2	0	2	☐	☑		0	103013	16159		4-1-2024 1...
CRONUS TRIMIT SUB1	CRONUS TRIMIT HQ	ICP100006	16337	Purchase Posting	ICS100004	16337	60007004	2	0	2	☐	☑		0	103013	16337		4-1-2024 1...
CRONUS TRIMIT SUB1	CRONUS TRIMIT HQ	ICP100006	16515	Purchase Posting	ICS100004	16515	60007005	1	0	1	☐	☑		0	103013	16515		4-1-2024 1...
CRONUS TRIMIT SUB1	CRONUS TRIMIT HQ	ICP100007	13054	Sales Posting	ICS100005	13054	60106038	1	0	0	☐	☐		0		0		
CRONUS TRIMIT SUB1	CRONUS TRIMIT HQ	ICP100007	13331	Sales Posting	ICS100005	13331	60106040	2	0	0	☐	☐		0		0		
CRONUS TRIMIT SUB1	CRONUS TRIMIT HQ	ICP100007	13608	Sales Posting	ICS100005	13608	60106042	3	0	0	☐	☐		0		0		
CRONUS TRIMIT SUB1	CRONUS TRIMIT HQ	ICP100007	13885	Sales Posting	ICS100005	13885	60106044	3	0	0	☐	☐		0		0		
CRONUS TRIMIT SUB1	CRONUS TRIMIT HQ	ICP100007	14162	Sales Posting	ICS100005	14162	60106046	2	0	0	☐	☐		0		0		
CRONUS TRIMIT SUB1	CRONUS TRIMIT HQ	ICP100007	14439	Sales Posting	ICS100005	14439	60106048	1	0	0	☐	☐		0		0		
CRONUS TRIMIT SUB1	CRONUS TRIMIT HQ	ICP100007	15831	Sales Posting	ICS100005	15831	60109940	2	0	0	☐	☐		0		0		
CRONUS TRIMIT SUB1	CRONUS TRIMIT HQ	ICP100007	16108	Sales Posting	ICS100005	16108	60109942	4	0	0	☐	☐		0		0		
CRONUS TRIMIT SUB1	CRONUS TRIMIT HQ	ICP100007	16385	Sales Posting	ICS100005	16385	60109944	6	0	0	☐	☐		0		0		
CRONUS TRIMIT SUB1	CRONUS TRIMIT HQ	ICP100008	10000	Sales Order Creation		0	21002003	5	0	0	☐	☐		0		0		
CRONUS TRIMIT SUB1	CRONUS TRIMIT HQ	ICP100009	10000	Finished	ICS100007	10940	21002003	10	10	10	☑	☑	108006	10000	103009	10940	15-12-2023 1...	11-12-2023...
CRONUS TRIMIT SUB1	CRONUS TRIMIT HQ	ICP100010	10000	Finished	ICS100008	10822	21002001	11	11	11	☑	☑	108005	10000	103012	10822	15-12-2023 1...	15-12-2023...
CRONUS TRIMIT SUB1	CRONUS TRIMIT HQ	ICP100011	10999	Finished	ICS100009	10999	21002004	12	12	12	☑	☑	108003	10999	103010	10999	11-12-2023 1...	11-12-2023...
CRONUS TRIMIT SUB1	CRONUS TRIMIT HQ	ICP100012	10000	Finished	ICS100010	11058	21002005	5	5	5	☑	☑	108004	10000	103011	11058	15-12-2023 1...	15-12-2023...
CRONUS TRIMIT SUB2	CRONUS TRIMIT HQ	ICP200001	12777	Finished	ICS200002	12777	60106036	5	5	5	☑	☑	108001	12777	103005	12777	27-7-2023 09...	27-7-2023 ...
CRONUS TRIMIT SUB2	CRONUS TRIMIT HQ	ICP200001	13054	Finished	ICS200002	13054	60106038	7	7	7	☑	☑	108001	13054	103005	13054	27-7-2023 09...	27-7-2023 ...
CRONUS TRIMIT SUB2	CRONUS TRIMIT HQ	ICP200001	13331	Finished	ICS200002	13331	60106040	10	10	10	☑	☑	108001	13331	103005	13331	27-7-2023 09...	27-7-2023 ...
CRONUS TRIMIT SUB2	CRONUS TRIMIT HQ	ICP200001	13608	Finished	ICS200002	13608	60106042	10	10	10	☑	☑	108001	13608	103005	13608	27-7-2023 09...	27-7-2023 ...

The **Intercompany Transaction Log Entry** page can be viewed in every Company in the Intercompany Process in a Database via **Search** *Transaction Log*.



1. When an **Intercompany Purchase Order** is created in a SUB, the **Purchase Company, Sales Company, Purchase Order No., Purchase Order Line No., Item No., Quantity** is filled.
   Next Setup will be set to *Sales Order Creation*.
2. When the corresponding **Intercompany Sales Order** is created in the HQ, the **Sales Order No., Sales Order Line No.** is filled.
   Next Setup will be set to *Sales Posting*.
3. When the corresponding **Intercompany Sales Order** is invoiced in the HQ, the **Sales Order Posted, Sales Invoice No., Sales Invoice Line No., Sales Posting Date/Time** is filled.
   Next Setup will be set to *Purchase Posting*.
4. When the **Intercompany Purchase Order** is invoiced in the SUB, the **Purchase Order Posted, Purchase Invoice No., Purchase Invoice Line No., Purchase Posting Date/Time** is filled.
   Next Setup will be set to *Finished*.

Therefore, in the **Intercompany Transaction Log** you are able to see where a specific **Intercompany Purchase Order** is in the whole Intercompany Process.

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SUMMARY IC PROCESSES

WHEN TO USE APPLY NEGATIVE INVENTORY

- *Headquarter* owns the Inventory and does the Design/Purchase/Production of the products.
- *SUB(s)* sell products that are mainly bought from the *Headquarter.*
- Shipments take place based on availability over *Headquarter* and *SUB(s)* in every company separately.
- Intercompany Purchase/Sales Orders are created based on Negative Inventory in the *SUB(s)* that is created by the Shipments in the *SUB(s)*

WHEN TO USE APPLY POSITIVE INVENTORY

Two options:

1) *Headquarter* owns the Inventory and does the Design/Purchase/Production of the products.
   a) Intercompany Purchase/Sales Orders are created based on Positive Inventory in the *Headquarter*
   b) *SUB* (only ONE) will sell the leftovers of the *Headquarter* after their sales/shipments.
      Think of the *SUB* being an Outlet Store or Webshop

2) *SUB* (only ONE) owns the Inventory.
   a) *Headquarter* will only Design/Purchase/Produce the products to sell them immediately and completely to the *SUB*.
   b) *Headquarter* does not sell to external customers, only the *SUB*.
   c) Intercompany Purchase/Sales Orders are created based on Positive Inventory in the *Headquarter*

WHEN TO USE INTERCOMPANY PICK

- *Headquarter* owns the Inventory and does the Design/Purchase/Production of the products.
- *SUB(s)* sell products that are only bought from the *Headquarter.*
- Shipments are only handled in the *Headquarter* for all the Sales Orders in the *Headquarter* and the *SUB(s)*.
- Intercompany Purchase/Sales Orders are created based on Negative Inventory in the *SUB(s)* that is created by the Shipments in the *SUB(s)* or based on Posted Intercompany Pick Documents in the *SUB(s)*

WHEN TO USE POSTED PICK DOCUMENTS

- Only if **Intercompany Pick** is *Yes.* See When to use Intercompany Pick
- Intercompany Purchase/Sales Orders are created based on Posted Intercompany Pick Documents in the *SUB(s)*

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EXTRA REMARKS

- For all processes: **TRIMIT Intercompany** processes are based on shared availability over companies in one database.
- You can use **TRIMIT Replication** for copying data from *Headquarter* to *SUB(s)*.
  See ***White Paper – TRIMIT Replication of Data*.**
- Unless you need to use *Apply Positive Inventory*, we advise to take *Apply Negative Inventory* for the process of creating Intercompany Purchase/Sales Orders.
- We advise to have different No. Series for external- and intercompany Sales Orders, and different No. Series in the different companies.
- We advise to have different No. Series for external- and intercompany Purchase Orders, and different No. Series in the different companies.
- In case you use **Intercompany Pick,** make sure that the *Headquarter* and the *SUB(s)* have different Sales Order No. Series – this makes it easier in the Pick Documents of the *Headquarter* to recognize.
- In case you use **Intercompany Pick,** in the *SUB(s)* you cannot have Locations with WMS settings.
- Parameter **Sorting** (*Customer Allocation Priority, Order Date* or *Alternative Sorting)* in the **Create Pick Documents** is a field which determines the Sorting in which available Inventory will be assigned to Sales Orders – even over all the companies involved in the Intercompany structure.

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APPENDIX

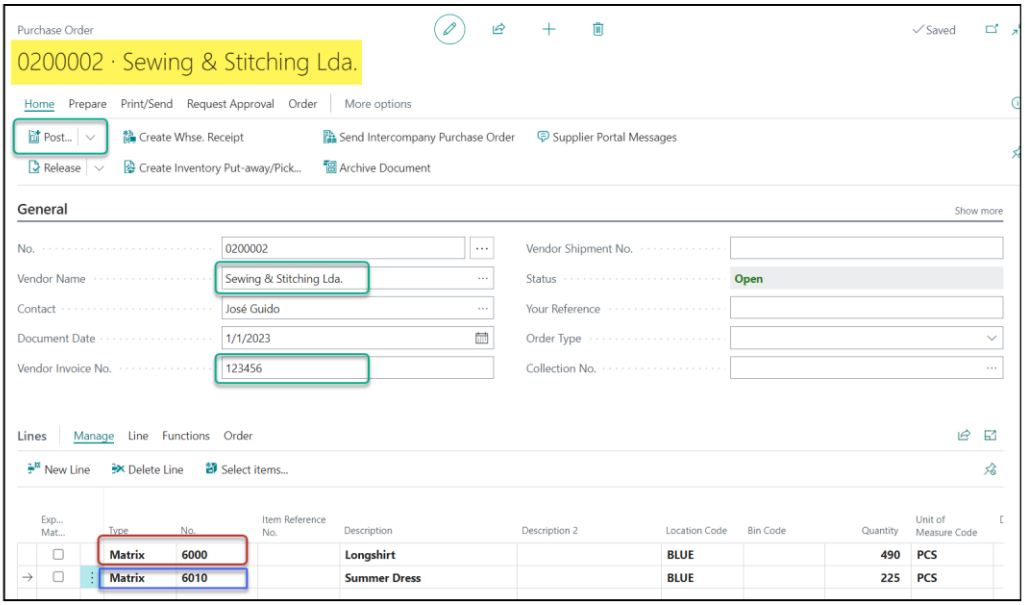
Extra data has been added to the copies of **CRONUS TRIMIT W1 Ltd.** Company – besides the setups mentioned in Setups and Data in Headquarter and Setups and Data in SUB – to show the Intercompany Process as described in Intercompany Process.

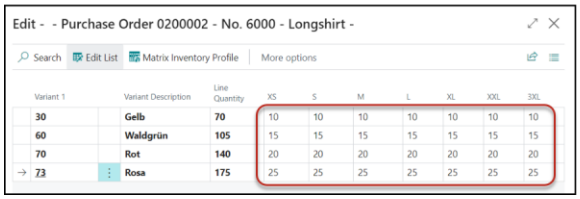
ADDED/CHANGED IN HEADQUARTER

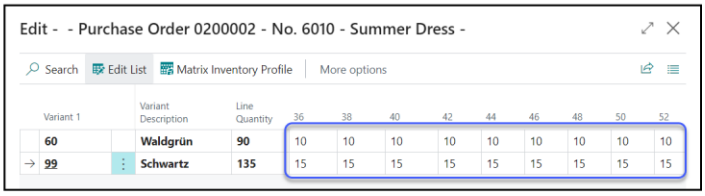
For the TRIMIT Intercompany procedure *Apply Negative Inventory,* we copied *2110* to *6000 Longshirt* (without the Assortments).
For the TRIMIT Intercompany procedure *Posted Intercompany Pick,* we copied *2310* to *6010 Summer Dress.*

STOCK FOR *6000* AND *6010*

Enter a Purchase Order for **Vendor No.** *2000* with the **Master** *6000* and *6010* for **Location Code** *BLUE*.
The Purchase Order should have the following quantities:







Post the Receipt and the Invoice of this Purchase Order by pressing **F9** and choose *Receive and Invoice.*

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SALES PRICE FOR 6000

In the Master Card via ***Related, Sales Receivables, Sales Prices*** we added two extra Lines***:***

Sales Type	Sales Code	Item No.	Description	Unit of Measure Code	Minimum Quantity	Currency Code	Unit Price	Dimension Prices	Start Date
Customer Price Group	IC	6000	Longshirt	PCS	0	EUR	44.00	0	
Customer Price Group	IC	6000	Longshirt	PCS	0	GBP	35.00	0	
Customer Price Group	RETAIL	6000	Longshirt	PCS	0		79.00	0	
Customer Price Group	RETAIL	6000	Longshirt	PCS	0	DKK	675.00	0	
Customer Price Group	RETAIL	6000	Longshirt	PCS	0	EUR	119.00	0	
Customer Price Group	RETAIL	6000	Longshirt	PCS	0	NOK	729.00	0	
Customer Price Group	RETAIL	6000	Longshirt	PCS	0	SEK	790.00	0	
Customer Price Group	RETAIL	6000	Longshirt	PCS	0	USD	124.00	0	
All Customers		6000	Longshirt	PCS	0		39.99	0	
All Customers		6000	Longshirt	PCS	0	EUR	49.99	0	

SALES PRICE FOR 6010

In the Master Card via ***Related, Sales Receivables, Sales Prices*** we added two extra Lines***:***

Sales Type	Sales Code	Item No.	Description	Unit of Measure Code	Minimum Quantity	Currency Code	Unit Price	Dimension Prices	Starting Date	Ending
Customer Price Group	IC	6010	Summer Dress	PCS	0	EUR	50.00	0		
Customer Price Group	IC	6010	Summer Dress	PCS	0	GBP	40.00	0		
Customer Price Group	RETAIL	6010	Summer Dress	PCS	0		109.00	0		
Customer Price Group	RETAIL	6010	Summer Dress	PCS	0	DKK	910.00	0		
Customer Price Group	RETAIL	6010	Summer Dress	PCS	0	EUR	169.00	0		
Customer Price Group	RETAIL	6010	Summer Dress	PCS	0	NOK	990.00	0		
Customer Price Group	RETAIL	6010	Summer Dress	PCS	0	SEK	1,090.00	0		
Customer Price Group	RETAIL	6010	Summer Dress	PCS	0	USD	172.00	0		
All Customers		6010	Summer Dress	PCS	0		55.00	0		

EXTERNAL SALES ORDER FOR 6000 AND 6010

Enter a Sales Order for **Sell-to Customer No.** *2000* and change **Status** to *Released.*

Enter the Matrix Lines with the **Masters** *6000* and *6010* in **Location Code** *BLUE:*

Sales Order

0100001 · The Fashion Store UK

Home Prepare Print/Send Request Approval Order Actions Related Automate Fewer options

Lines Manage Line Order

New Line Delete Line Select items...

Expand Matrix	Type	No.	Description	Description 2	Location Code	Quantity	Unit of Measure Code	Unit Price Excl. VAT	Unit Cost (LCY)	Line Discount %	Line Amount Excl. VAT
	Matrix	6000	Longshirt		BLUE	182	PCS	39.99	0.00		7,278.18
	Matrix	6010	Summer Dress		BLUE	100	PCS	55.00	0.00		5,500.00

Edit - - Sales Order 0100001 - No. 6000 - Longshirt -

Search Edit List Matrix Inventory Profile More options

Variant 1	Variant Description	Line Quantity	XS	S	M	L	XL	XXL	3XL
30	Yellow	20	2 [10]	3 [10]	4 [10]	4 [10]	3 [10]	2 [10]	2 [10]
60	Forest Green	47	5 [15]	7 [15]	9 [15]	9 [15]	7 [15]	5 [15]	5 [15]
70	Red	54	6 [20]	8 [20]	10 [20]	10 [20]	8 [20]	6 [20]	6 [20]
73	Pink	61	7 [25]	9 [25]	11 [25]	11 [25]	9 [25]	7 [25]	7 [25]

Edit - - Sales Order 0100001 - No. 6010 - Summer Dress -

Search Edit List Matrix Inventory Profile More options

Variant 1	Variant Description	Line Quantity	36	38	40	42	44	46	48	50	52
60	Forest Green	41	3 [10]	5 [10]	7 [10]	7 [10]	5 [10]	5 [10]	3 [10]	3 [10]	3 [10]
99	Black	59	5 [15]	7 [15]	9 [15]	9 [15]	7 [15]	7 [15]	5 [15]	5 [15]	5 [15]

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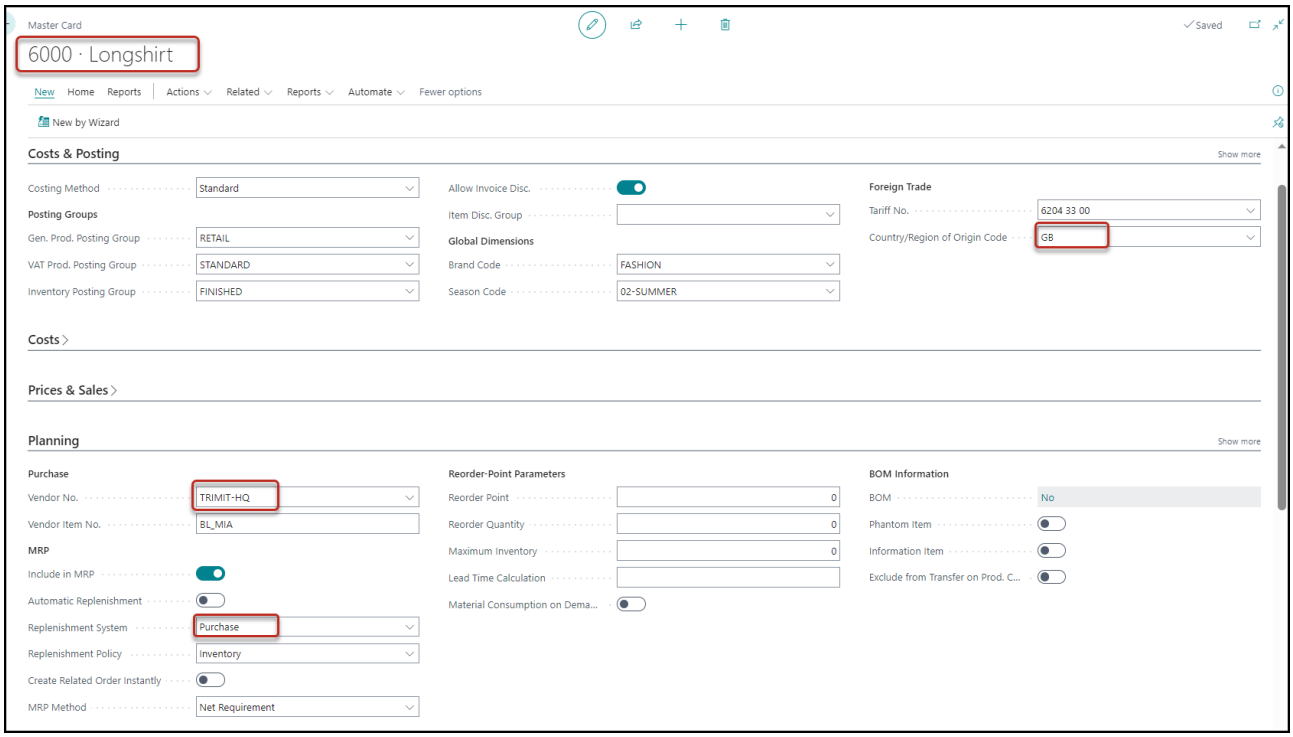
CHANGED IN SUB1 – FOR APPLY NEGATIVE INVENTORY

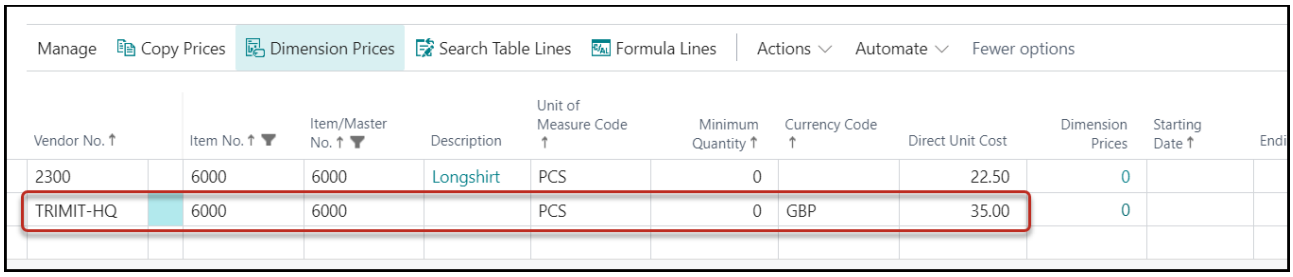
MASTER *6000*

For the TRIMIT Intercompany procedure *Apply Negative Inventory,* we copied *2110* to *6000 Longshirt* (without the Assortments).

The following data of *6000* has been changed/added:

Country/Region of Origin Code	*GB*
Vendor No.	*TRIMIT-HQ*
Replenishment System	*Purchase*
Purchase Price for **Vendor No.**	*TRIMIT-HQ* of *35.00 GBP*





If you also want to track the G/L Entries in the companies, you also need to click ***Actions, Update Purchase Prices on Items, Via Masters*** in the Purchase Prices and afterwards, run report ***Unit Cost Revaluation Update*** that can be found via **Search.**

Now the **Std. Unit Cost Total** will be *35.00* GBP in **SUB1.**

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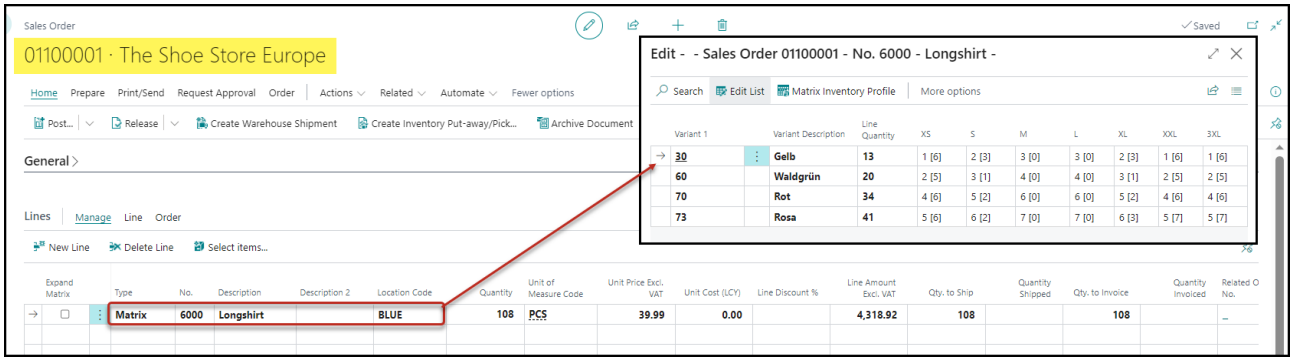
SALES ORDERS

Enter a Sales Order for **Sell-to Customer No.** *2010* and change **Status** to *Released.*

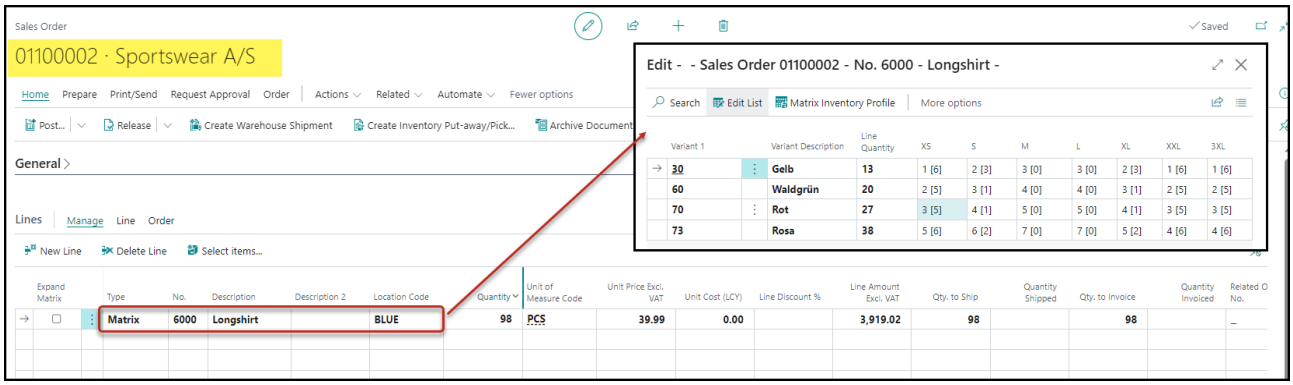
Enter the Matrix Line with the **Master No.** *6000* and **Location Code** *BLUE:*



You can already see that the available quantities per size are influenced by the quantities that have been entered in the Sales Order in the *Headquarter* Company from the previous page.

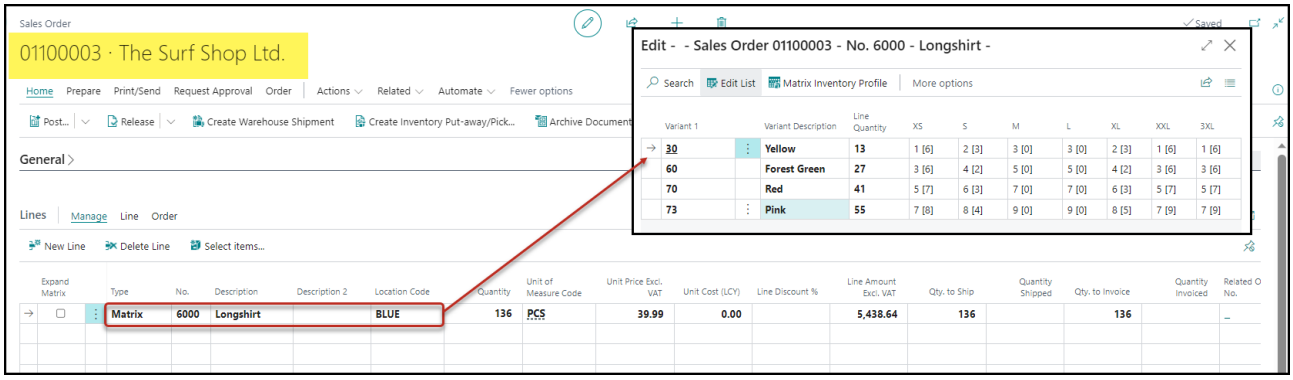
Enter a Sales Order for **Sell-to Customer No.** *2020* and change **Status** to *Released.*

Enter the Matrix Line with the **Master No.** *6000* and **Location Code** *BLUE:*



Enter a Sales Order for **Sell-to Customer No.** *2030* and change **Status** to *Released.*

Enter the Matrix Line with the **Master No.** *6000* and **Location Code** *BLUE:*



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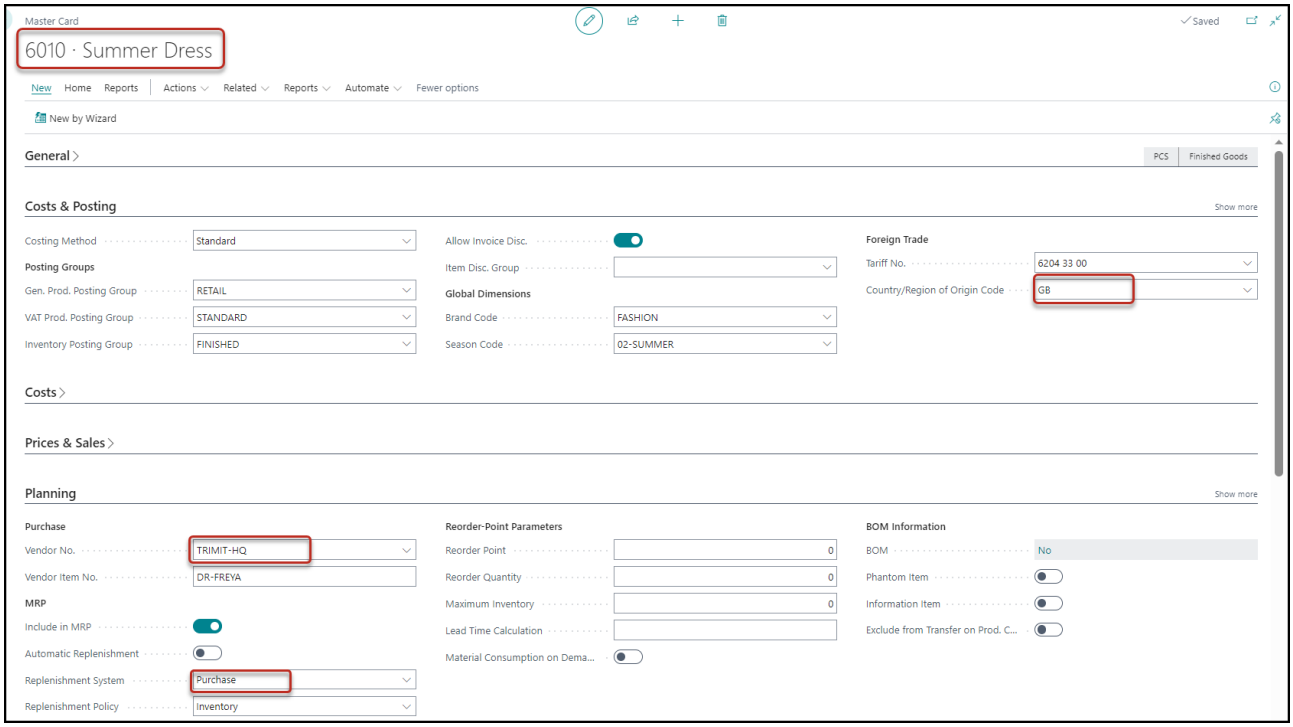
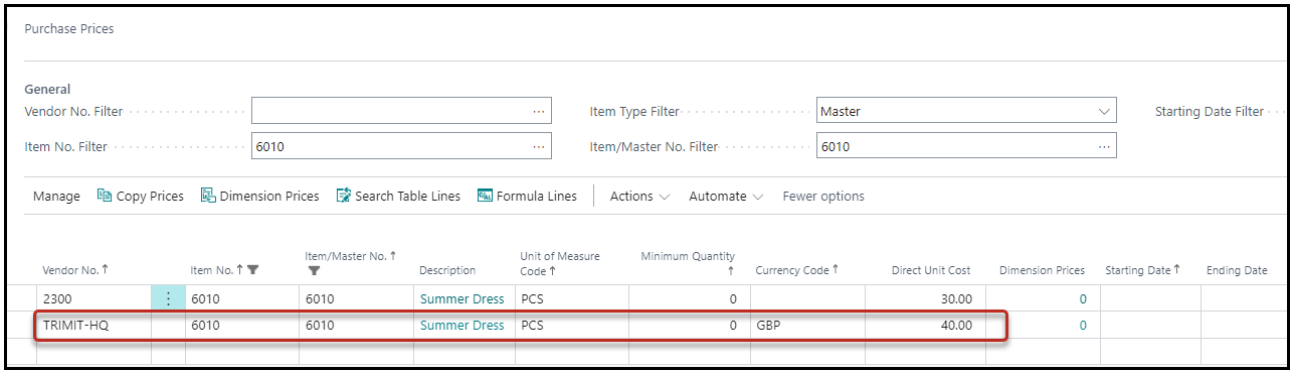
ADDED IN SUB2 – FOR POSTED INTERCOMANY PICK

MASTER *6010*

For the TRIMIT Intercompany procedure *Apply Negative Inventory,* we copied *2310* to *6010 Summer Dress:*
The following data of *6010* has been changed/added:

Country/Region of Origin Code	*GB*
Vendor No.	*TRIMIT-HQ*
Replenishment System	*Purchase*
Purchase Price for **Vendor No.**	*TRIMIT-HQ* of *40.00 GBP*
Sales Price for **All Customers**	*80.00*
Sales Price for **RETAIL GBP**	*109.00*





If you also want to track the G/L Entries in the companies, you also need to click ***Actions, Update Purchase Prices on Items, Via Masters*** in the Purchase Prices and afterwards, run report ***Unit Cost Revaluation Update*** that can be found via **Search.**
Now the **Std. Unit Cost Total** will be *61.93868* EUR in **SUB2.** (Based on exchange rate for GBP)

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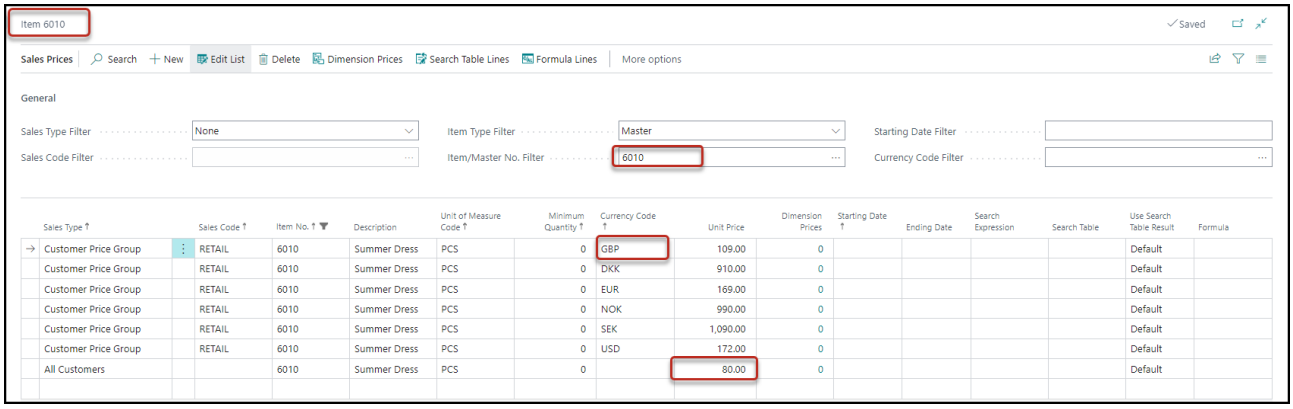
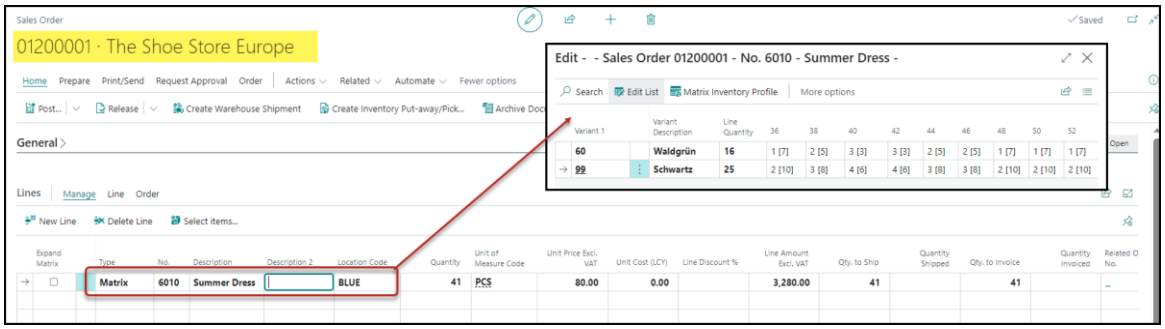


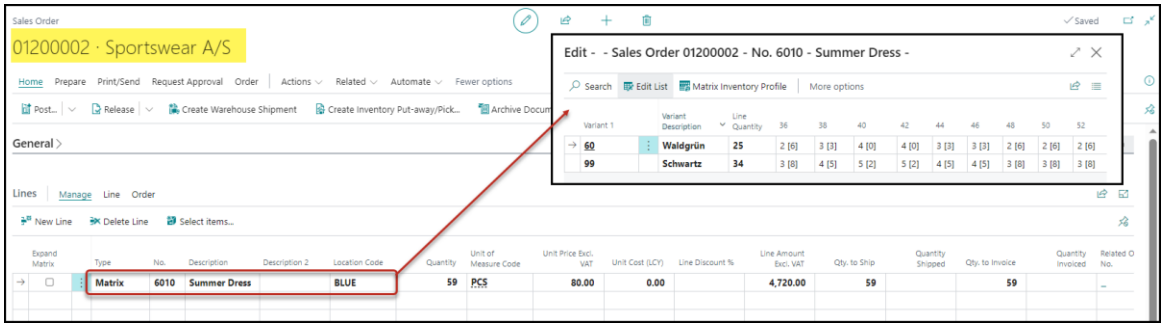
SALES ORDERS

Enter a Sales Order for **Sell-to Customer No.** *2010* and change **Status** to *Released.*
Enter the Matrix Line with the **Master No.** *6010* and **Location Code** *BLUE:*

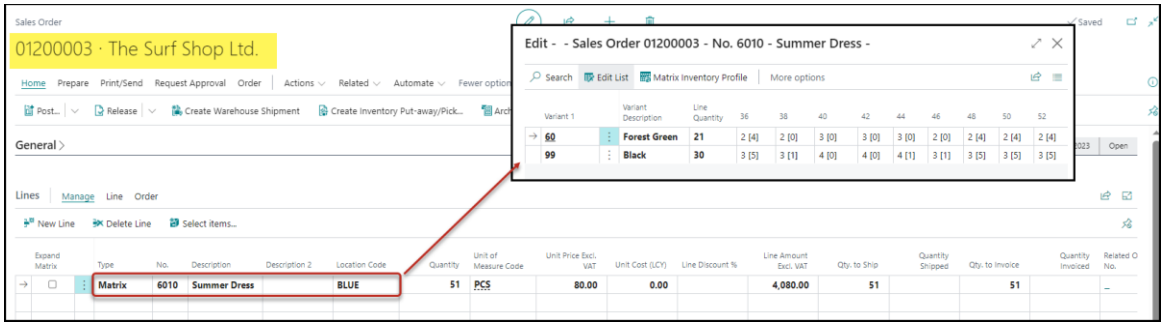


You can already see that the available quantities per size are influenced by the quantities that have been entered in the Sales Order in the *Headquarter* Company.

Enter a Sales Order for **Sell-to Customer No.** *2020* and change **Status** to *Released.*
Enter the Matrix Line with the **Master No.** *6010* and **Location Code** *BLUE:*



Enter a Sales Order for **Sell-to Customer No.** *2030* and change **Status** to *Released.*
Enter the Matrix Line with the **Master No.** *6010* and **Location Code** *BLUE:*



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