



Pre-Pack

Basic Information

LS Retail NAV 6.2

March 2010
GH

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1 Introduction

1.1 Scope

The scope of this project is to make it possible for users to define pre-packs and to handle them in the same manner as other items. In this document it is described how the requirements are fulfilled in the LS Retail System.

This addition is being developed on the World-Wide version of Microsoft Dynamics™ NAV but must be ported over to the North American version for the rollout into Northern Reflections. This means that BOM functionality as indicated below will become Kitting functionality in the North American release.

1.2 Definitions, Acronyms and Abbreviations

Term	Description
PRP	Pre-pack item. A pre-pack item is an item with BOM Components items attached to it.
Explode a PRP	A PRP can be exploded as a post process to receiving. What happens is that a PRP item(s) are subtracted from inventory and attached BOM components are added to inventory. Explode before receiving (in a PO or TO) are unchanged (Functions->Explode BOM).
PO	Purchase Order
TO	Transfer Order

1.3 References

Incident Code	Description
LS04-03752	Prepack module

1.4 Functional Overview

A store will be able to handle PRPs as any other items from the Item Master. A PRP will be used as normal item in a new worksheet developed for PRPs, in Purchase Orders and in Transfer Orders. PRP can be exploded before it is posted or when it is posted (received). When a PRP is received it can be determined if it should be exploded or not and if yes then at a store, warehouse or both. Two cost methods are selectable for PRPs one based on quantities (even) or defined (weighted). This functionality will be built in to the InStore replication module in a way that if PRPs are exploded at HO or at an offline store then it will be done automatically at the opposite location.

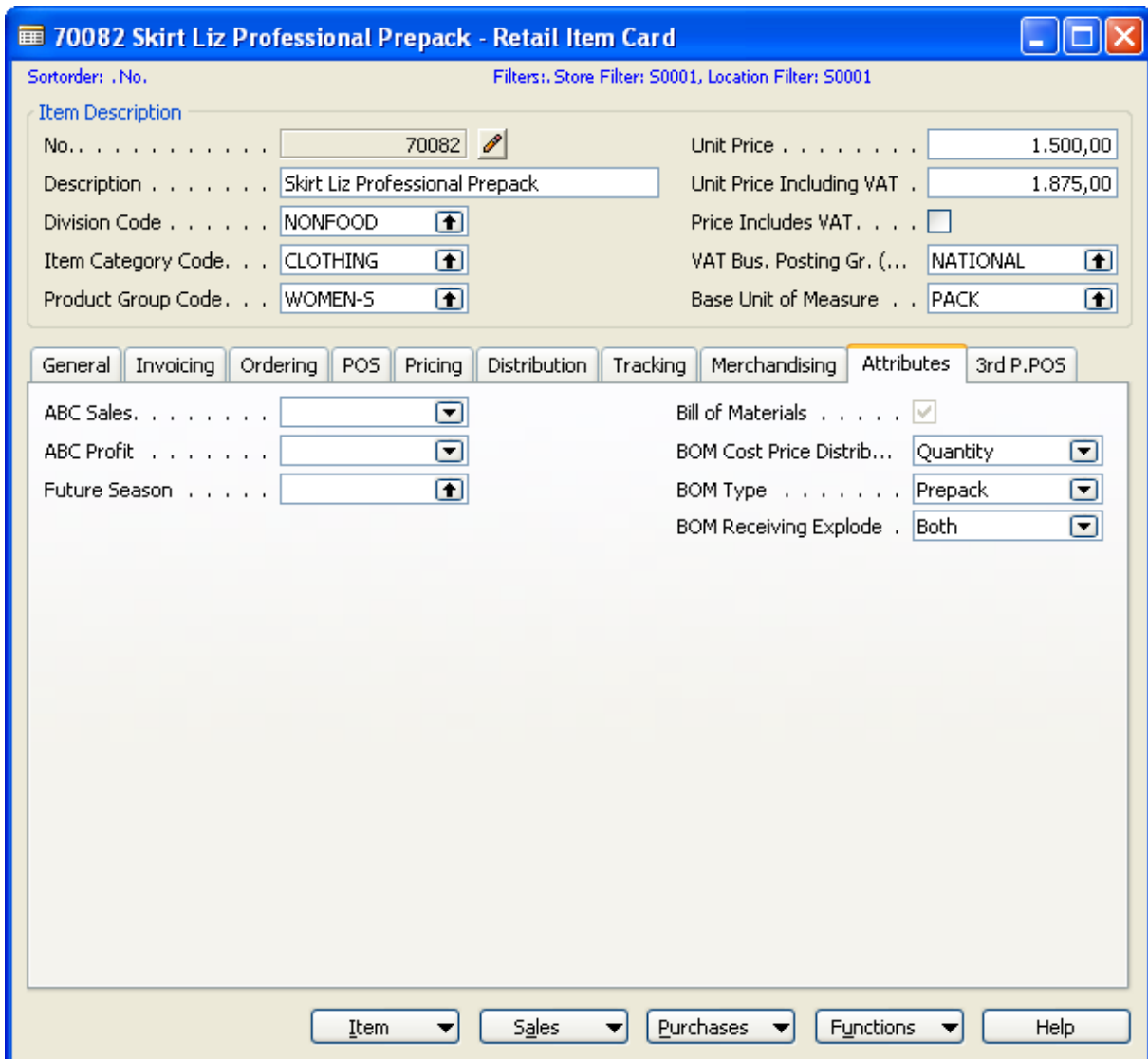
2 Use Cases and Business Processes

Prepacks can be used as normal items in the system. What is shown in details in this chapter are new features and changes made to make prepack handling possible.

2.1 Setup

2.1.1 Creating and managing prepacks.

A prepack item is created as any other item in the Item Master or through the Retail Item Card:



70082 Skirt Liz Professional Prepack - Retail Item Card

Sortorder: .No. Filters: Store Filter: S0001, Location Filter: S0001

Item Description

No.	70082	Unit Price	1,500,00
Description	Skirt Liz Professional Prepack	Unit Price Including VAT	1,875,00
Division Code	NONFOOD	Price Includes VAT.	<input type="checkbox"/>
Item Category Code. . .	CLOTHING	VAT Bus. Posting Gr. (...)	NATIONAL
Product Group Code. . .	WOMEN-S	Base Unit of Measure . . .	PACK

General Invoicing Ordering POS Pricing Distribution Tracking Merchandising **Attributes** 3rd P.POS

ABC Sales.		Bill of Materials	<input checked="" type="checkbox"/>
ABC Profit		BOM Cost Price Distrib...	Quantity
Future Season		BOM Type	Prepack
		BOM Receiving Explode .	Both

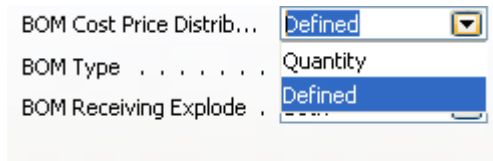
Item Sales Purchases Functions Help

On the Attributes tab the item is marked as prepack by setting “BOM Type” to Prepack. The BOM Components table is used to store the prepacks components which means that the “Bill of Materials” check tells the user if any component is stored.

When creating a prepack the following fields must be considered and filled:

- BOM Cost Price Distribution
- BOM Type
- BOM Receiving Explode

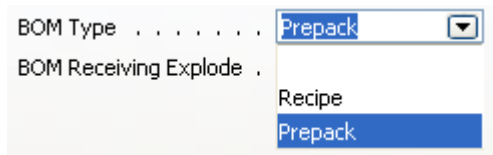
The cost of each exploded prepack item is distributed according to method selected by “BOM Cost Price Distribution”:



Quantity - Cost is distributed according to quantity (cost is 1000 and number of pieces is 10 and therefore each item will get 100)

Defined - The BOM Component records will hold the weight for each component line and cost will be distributed according to weight

When a BOM Component of type Prepack is created the field BOM Type must be set to Prepack. BOM type can have the following values:

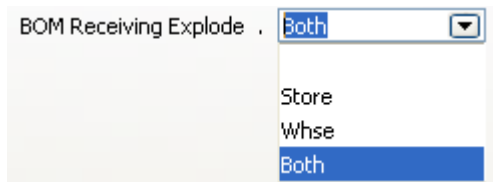


Prepack – Item is a Prepack item.

Recipe – Item is a Recipe item.

<blank> - Item is a normal item.

When a prepack is purchased it can be determined if it should be exploded when received. This applies both to Retail Purchase Orders and Retail Transfer Orders.

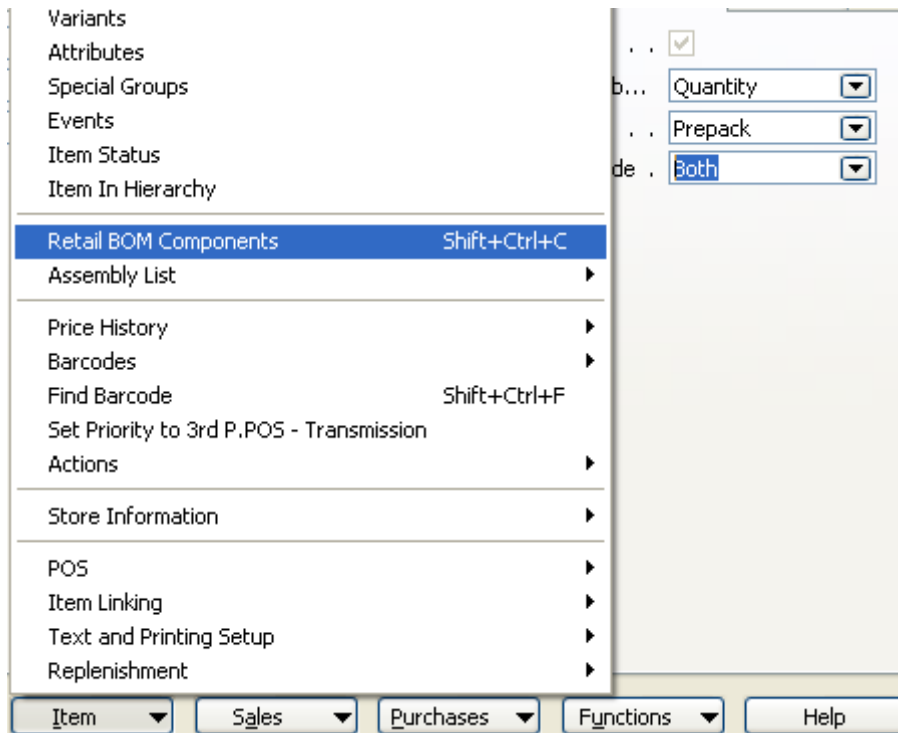


BOM Receiving Explode can have four different values:

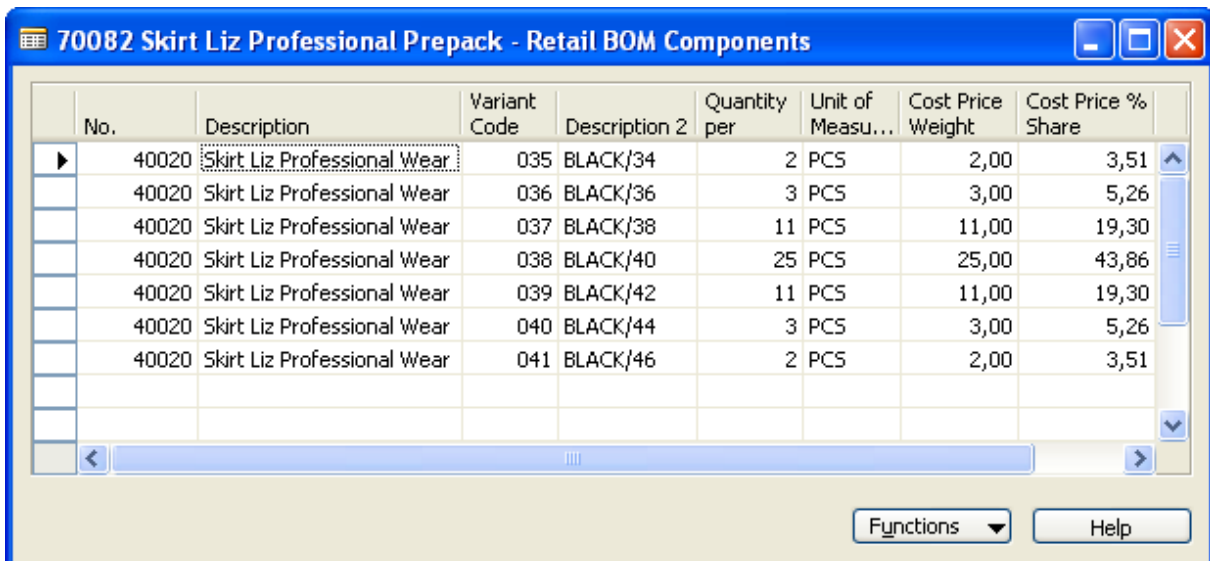
- *Blank – BOM not exploded automatically*
- *Store – BOM explodes when receiving at store*
- *Whse – BOM explodes when receiving at warehouse*
- *Both – BOM explodes when receiving at store and warehouse*

When a prepack is exploded the prepack inventory status is lowered and its corresponding components inventory status is elevated.

After creating a prepack item the next step is to enter prepacks components. Select Item / Retail BOM Components (or Shift+Ctrl+C):



and you get the Retail BOM Components editing window:



The screenshot shows the 'Retail BOM Components' editing window for item '70082 Skirt Liz Professional Prepack'. The window title is '70082 Skirt Liz Professional Prepack - Retail BOM Components'. The table below displays the components with their respective quantities and cost prices.

No.	Description	Variant Code	Description 2	Quantity per	Unit of Measu...	Cost Price Weight	Cost Price % Share
▶	Skirt Liz Professional Wear	035	BLACK/34	2	PCS	2,00	3,51
	Skirt Liz Professional Wear	036	BLACK/36	3	PCS	3,00	5,26
	Skirt Liz Professional Wear	037	BLACK/38	11	PCS	11,00	19,30
	Skirt Liz Professional Wear	038	BLACK/40	25	PCS	25,00	43,86
	Skirt Liz Professional Wear	039	BLACK/42	11	PCS	11,00	19,30
	Skirt Liz Professional Wear	040	BLACK/44	3	PCS	3,00	5,26
	Skirt Liz Professional Wear	041	BLACK/46	2	PCS	2,00	3,51

At the bottom of the window, there are buttons for 'Functions' and 'Help'.

In this example the prepack items with variants have been entered with quantities. Since the selected cost price distribution for the prepack is Quantity the Cost Price Weight is the same as Quantity per and non-editable. Cost Price % Share is calculated automatically each time a Quantity per is changed.

In this example the Cost Price Distribution has been changed to Determined and the weights have been entered for all components:

No.	Description	Variant Code	Description 2	Quantity per	Unit of Measu...	Cost Price Weight	Cost Price % Share
40020	Skirt Liz Professional Wear	035	BLACK/34	2	PCS	200,00	2,82
40020	Skirt Liz Professional Wear	036	BLACK/36	3	PCS	600,00	8,45
40020	Skirt Liz Professional Wear	037	BLACK/38	11	PCS	1.500,00	21,13
40020	Skirt Liz Professional Wear	038	BLACK/40	25	PCS	2.500,00	35,21
40020	Skirt Liz Professional Wear	039	BLACK/42	11	PCS	1.500,00	21,13
40020	Skirt Liz Professional Wear	040	BLACK/44	3	PCS	600,00	8,45
40020	Skirt Liz Professional Wear	041	BLACK/46	2	PCS	200,00	2,82

Note a component of a prepack A can be either an Item or a prepack B. In the following example prepack 70083 has component 40020 as a normal item and a prepack 70081 as a second component:

No.	Description	Variant Code	Description 2	Quantity per	Unit of Measu...	Cost Price Weight	Cost Price % Share	Bill of Materials
40020	Skirt Liz Professional Wear			10	PCS	10,00	50,00	
70081	Cheese basket			10	BASKET	10,00	50,00	✓

Prepack can not contain a chain of prepack components that leads to itself (Example: prepack A contains prepack B which contains prepack A). If this happens error messages are displayed.

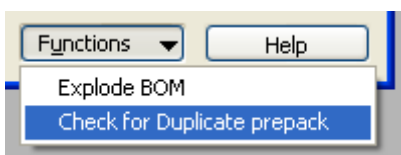
BOM Component 70081 can be exploded (Functions / Explode BOM) and then the prepack is changed to the following:

No.	Description	Variant Code	Description 2	Quantity per	Unit of Measu...	Cost Price Weight	Cost Price % Share	Bill of Materials
40020	Skirt Liz Professional Wear			10	PCS	10,00	11,11	
10060	Cheddar Cheese			20	PCS	20,00	22,22	
10131	Blue Cheese			30	GR	30,00	33,33	
35040	Red Wine - Carbernet S.			30	BOTTLE	30,00	33,33	

Prepack 70081 has been exploded and relation deleted

When prepacks and their components have been entered they can be used as every other item in the system.

It is possible to check if an identical prepack has already been defined in the system.



If the system finds identical prepack in the system the first item number (prepack number) is displayed. This check is just for information. No action is required it is up to the user to take a manual action.

2.1.2 Inventory Mask Setup for prepacks.

A new worksheet for prepack exploding has been added. An Inventory Mask must be set up, LS Retail – InStore Mgmt / Setup / Inventory Mask Setup:

Entry Type	Templates	Batch	Description	Store No.	Handheld User	Type of Entering	Unit	Source Code	Reason Code	Inv. Adjust. G...	Location
Purchase	REQ	S0001	General Purchasing	S0001		Add to Qty	Purchas...				S0001
Positive	ITEM	S0001	Positive Adjm.	S0001		Add to Qty	Base Unit		+ADJ.M.		S0001
Negative	ITEM	S0001	Best Before Date	S0001		Add to Qty	Base Unit		BBDATA		S0001
Counting	PHYS. INV.	S0001	Stock Counting	S0001		Add to Qty	Base Unit		STOCKA...		S0001
Labels	0 A4 LAND...		Shelf Label - A4 Landscap...	S0001		Add to Qty	Base Unit				S0001
Stock Req.			Stock Requests	S0001		Add to Qty	Base Unit				S0001
Transfer	RECLASS	S0001	Transfer to s0002	S0001		Add to Qty	Base Unit				S0001
Purchase	REQ	S0001	Meat Purchasing	S0001		Add to Qty	Purchas...				S0001
Purchase	REQ	S0001	Vegetable Purchasing	S0001		Add to Qty	Purchas...				S0001
Purch.R...			Purchase Return	S0001		Add to Qty	Base Unit				S0001
Counting	PHYS. INV.	S0001	Stock Counting w/Area	S0001		Add line	Base Unit		STOCKA...		S0001
Negative	ITEM	S0001	Damaged by Customer	S0001		Add to Qty	Base Unit		DAMCUS...		S0001
Negative	ITEM	S0001	Damaged by Staff	S0001		Add to Qty	Base Unit		DAMSTAFF		S0001
Negative	ITEM	S0001	Stolen	S0001		Add to Qty	Base Unit		STOLEN		S0001
Labels	0 A4 LAND...		Shelf Label - A4 Landscap...	S0001		Add to Qty	Base Unit				S0001
Labels	0 A4 PORT...		Shelf Label - A4 Portrait 3x5	S0001		Add to Qty	Base Unit				S0001
Price Check	C1		Compet: Big Stores	S0001		Add to Qty	Base Unit				S0001
Sale	ITEM	S0001	Sale	S0001		Add to Qty	Base Unit				S0001
Purchase	REQ					Add to Qty	Base Unit				
Positive	ITEM	W0001	Pos. Adj. for W0001 - Bat...	HO		Add to Qty	Base Unit		+ADJ.M.		W0001
Negative	ITEM	W0001	Neg. Adj. for W0001 - Ba...	HO		Add to Qty	Base Unit		-ADJ.M.		W0001
Counting	PHYS. INV.	W0001	Stock Count W0001 - Bat...	HO		Add to Qty	Base Unit		STOCKA...		W0001
Prepack	PREPACK	S0001	Explode prepacks	S0001		Add to Qty	Base Unit				S0001

In this example a new mask has been made by filling out the mask card (Mask / Card) like this:

168002 - Inventory Mask Card

General | Dimensions | Item Filters | Entry | Locations | Processes | RF-handheld | Order

Entry Type Prepack

Description Explode prepacks

Templates PREPACK

Batch. S0001

Handheld User

Handheld Type Other

Use Batch Posting

Function Help

The following record is added to Item Journal Template (Table 82):

Field	Value
Name	PREPACK
Description	Prepack Journal
Test Report ID	702
Form ID	40
Posting Report ID	703
Force Posting Report	No
Type	Item
Source Code	ITEMJNL
Reason Code	
Recurring	No

Test Report Name	Inventory Posting - Test
Form Name	Item Journal
Posting Report Name	Item Register - Quantity
No. Series	IJNL-PRP
Posting No. Series	
Whse. Register Report ID	7303
Whse. Register Report Name	Warehouse Register - Quantity

The following record is added to Item Journal Batch (Table 233):

Field	Value
Journal Template Name	PREPACK
Name	S0001
Description	Cronus Foodmarket South
Reason Code	
No. Series	IJNL-PRP
Posting No. Series	
Template Type	Item
Recurring	No

The following record is added to No. Series (Table 308):

Field	Value
Code	IJNL-PRP
Description	Prepack Journal
Default Nos.	No
Manual Nos.	No
Date Order	No
Dist. Location Prefix	No

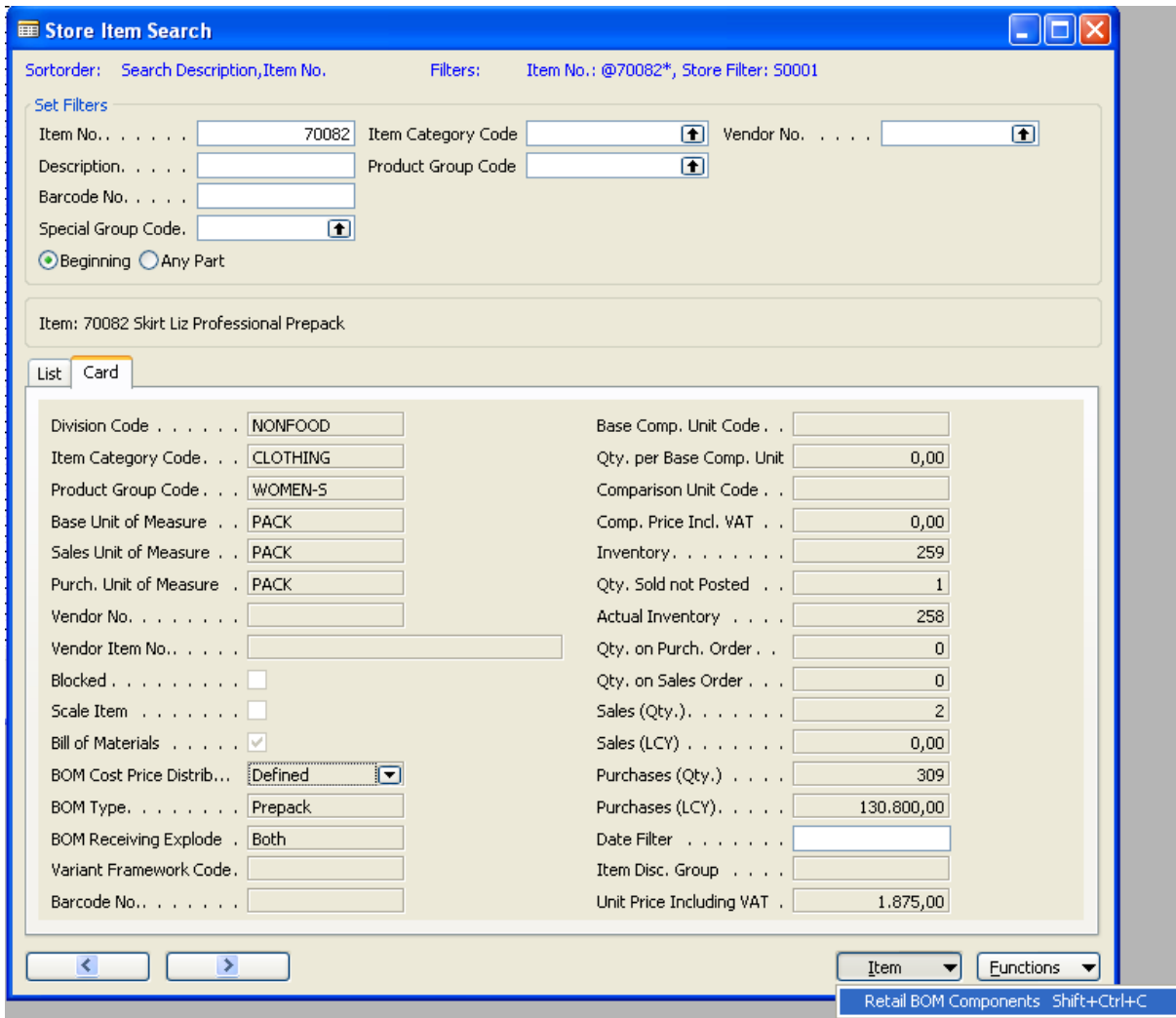
The following record is added to No. Series Line (Table 309):

Field	Value
Series Code	IJNL-PRP
Line No.	10000
Starting Date	
Starting No.	PRP0000001
Ending No.	PRP9999999
Warning No.	
Increment-by No.	1
Last No. Used	PRP0000022
Open	Yes
Last Date Used	03.03.10

This setup will give us a number series for exploding prepacks on stock starting with PRP0000001.

2.2 Viewing and editing Prepacks

A store manager or users that have access to Retail Item Card have full access to create and edit prepacks. This full access is also granted to forms Retail Item Search and Retail Item List. Store associates have read only access to the prepack components from forms Store Item Card and Store Item Search.



2.3 Purchasing prepacks

The Retail Purchase Order card has not been changed and the way it's used has not changed either. A post exploding process has been added to the receiving process. The receiving process explodes prepacks after a successful receiving process according to the BOM Explode type selected on the item card. If it's blank no exploding is done. If a store is receiving a prepack and BOM Explode is Store or Both then its BOM components are exploded. In the following example 3 units of prepack 70084 are purchased. The prepack has BOM Explode = 'Store' and we are receiving at store S0001.

HO106067 London Postmaster - Retail Purchase Order

General Retail Foreign Trade

No. HO106067 Posting Date 03.03.10

Buy-from Vendor No. 10000 Order Date 03.03.10

Buy-from Contact No. CT000066 Document Date 03.03.10

Buy-from Vendor Name London Postmaster Expected Receipt Date

Buy-from Address 10 North Lake Avenue Vendor Order No.

Buy-from Address 2 Vendor Shipment No.

Buy-from Post Code/City N12 5XY London Vendor Invoice No. SASDF54

Buy-from Contact Mrs. Carol Philips Order Address Code.

No. of Archived Versions. 0 Status Open

Version No. 0 Retail Status New

Store No. S0001 Buyer ID GUNNARH

Location Code. S0001 Created By Source Code.

Buyer Group Code.

T..	No.	Vendor I...	Variant C...	Description	Location ...	Unit of M...	Quantity
I..	70084			Skirt Liz Pro. 10xBlack/38-40	S0001	PACK	3

Order Line Functions Posting Print Help

Prepack 70084 has the following BOM Components:

70084 Skirt Liz Pro. 10xBlack/38-40 - Retail BOM Components

No.	Description	Variant Code	Description 2	Quantity per	Unit of Measu...	Cost Price Weight	Cost Price % Share	B M
40020	Skirt Liz Professional Wear	038	BLACK/40	10	PCS	10,00	33,33	
40020	Skirt Liz Professional Wear	039	BLACK/42	10	PCS	10,00	33,33	
40020	Skirt Liz Professional Wear	040	BLACK/44	10	PCS	10,00	33,33	

Functions Help

When the order is received the following inventory adjustments are made:

Item 70084 (prepack)	+3 items
Item 70084	-3 items
Item 40020, variant 038	+30 items
Item 40020, variant 039	+30 items
Item 40020, variant 040	+30 items

The same document number is used for the exploding as is for the receiving documents.

NOTE: If a prepack contains another prepack as a component then only the first level is exploded which means that the component prepack is not exploded but added as a prepack to inventory.

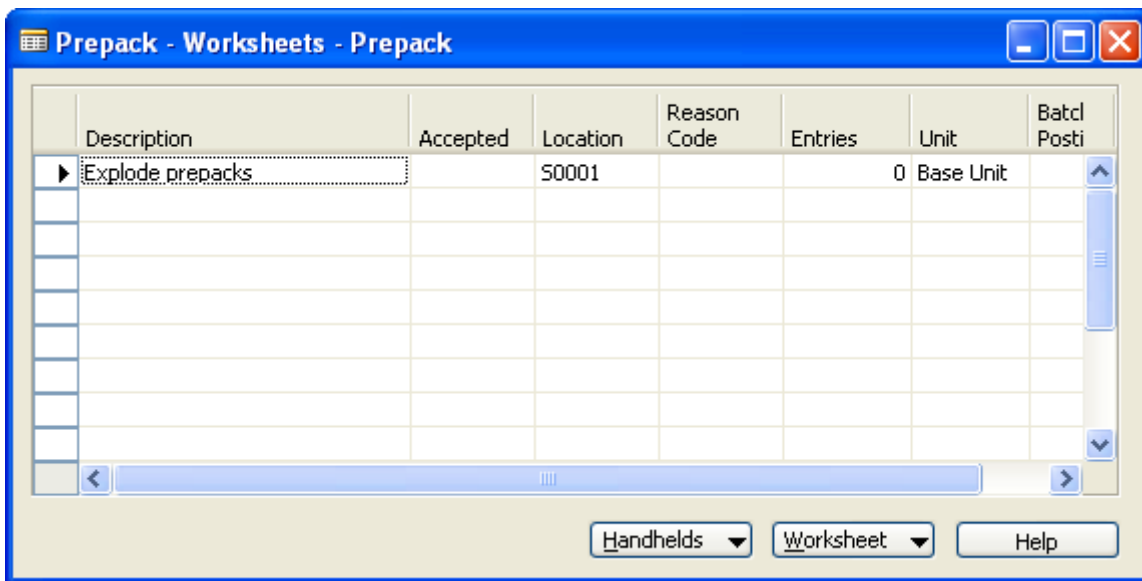
The same post process has been added both to the InStore management functionality and the Batch Posting Queue functionality. That means that when data is replicated from an offline store to HO (or vice versa) the post processing is done automatically at the other location.

2.4 Transferring prepacks

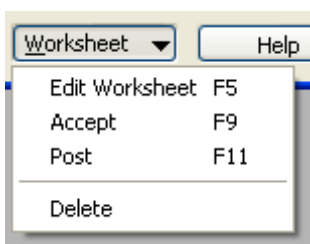
For receiving of transferred prepacks post process has been added like for purchase orders. The user interface is unchanged. The BOM Explode field on the prepacks item card decides in the same way as for purchase orders if and when to explode. InStore management takes into account exploding on opposite location for off line stores. (See previous chapter 3.3, for more details).

2.5 Exploding prepacks

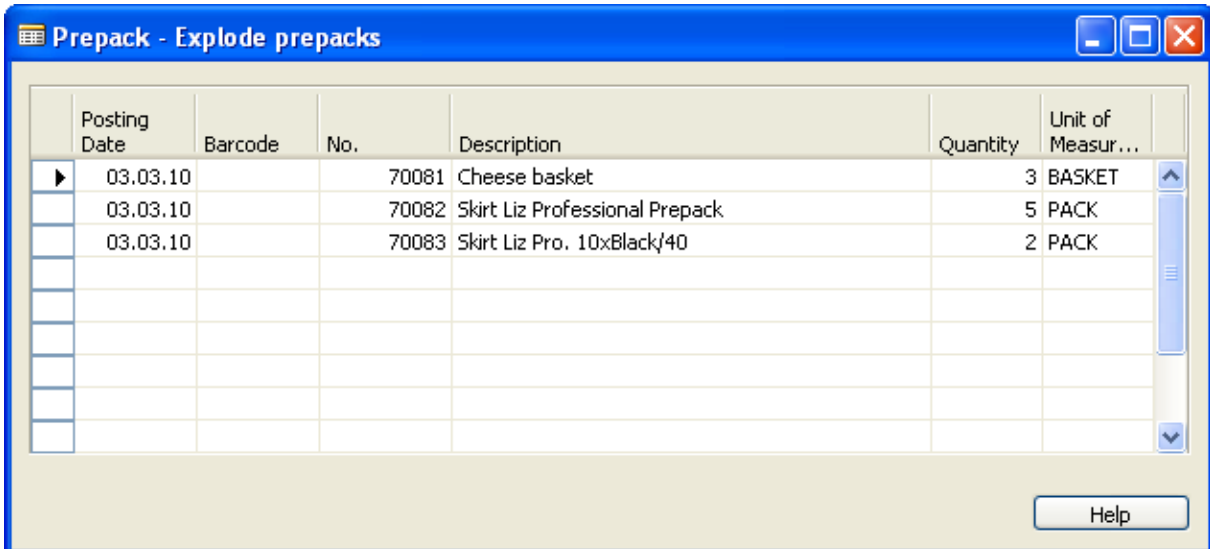
A new worksheet for exploding prepacks has been added. LS Retail – InStore Mgmt / Worksheets / Prepack. For the setup example shown in chapter 3.1.2 it would look like this:



This worksheet has the same functionality as other worksheets from previous versions. For entering prepacks for exploding select Worksheet / Edit Worksheet or F5:



In this worksheet prepacks can be added with quantities. In this example 10 prepacks have been entered for exploding:



	Posting Date	Barcode	No.	Description	Quantity	Unit of Measur...
▶	03.03.10		70081	Cheese basket	3	BASKET
	03.03.10		70082	Skirt Liz Professional Prepack	5	PACK
	03.03.10		70083	Skirt Liz Pro. 10xBlack/40	2	PACK

When this form is closed the batch can be accepted and posted (exploded).

NOTE: If a prepack contains another prepack as a component then only the first level is exploded which means that the component prepack is not exploded but added as a prepack to inventory.

2.6 Retail Item Availability

Three new information windows that are related to the new prepack functionality have been added to the system:

1. Retail Item Availability by Item Variant
2. Retail Item Availability by Item Variant and Location
3. Retail Item Availability by Item Variant and Prepack breakdown

These windows can be accessed from four different locations:

1. Retail Item Card (Replenishment / Retail Item Card)
2. Retail Purchase Order (Replenishment / Retail Purchase Order)
3. Replen. Planned Crossed Docking (Replenishment / Retail Purchase Order / Functions / Warehouse / Planned Crossed Docking)
4. Buyer's Push (Replenishment / Buyer's Push)

2.6.1 Retail Item Variant Availability from Retail Item Card

In the following windows, we have an Item with a Variant Framework Code (not a prepack item).

40020 Skirt Liz Professional Wear - Retail Item Card
☐ ☐ ✕

Sortorder: . No. Filters:.

Item Description

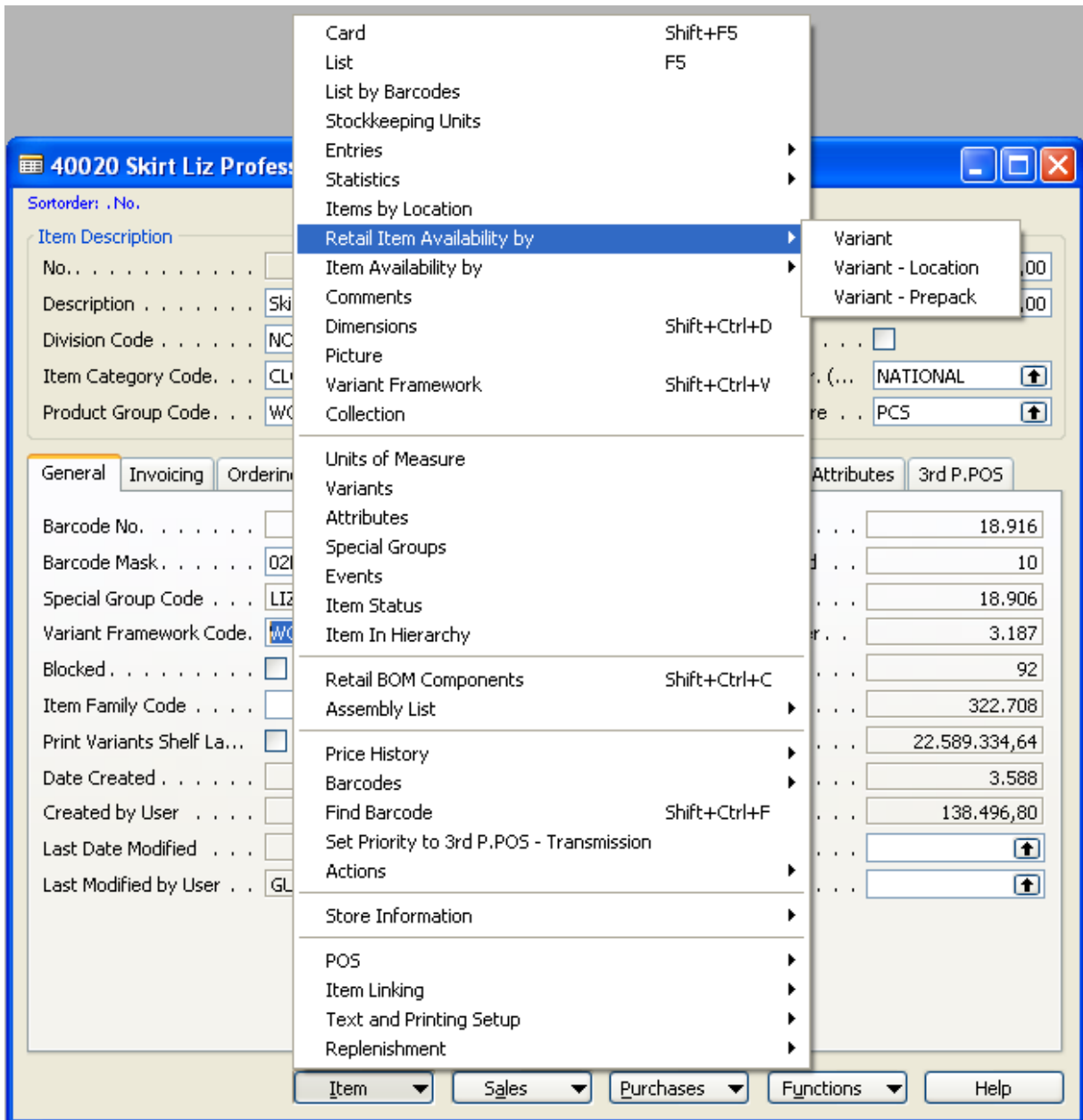
No.	<input style="width: 90%;" type="text" value="40020"/>		Unit Price	<input style="width: 90%;" type="text" value="64,00"/>
Description	<input type="text" value="Skirt Liz Professional Wear"/>		Unit Price Including VAT	<input style="width: 90%;" type="text" value="80,00"/>
Division Code	<input style="width: 90%;" type="text" value="NONFOOD"/>	↑	Price Includes VAT.	<input type="checkbox"/>
Item Category Code.	<input style="width: 90%;" type="text" value="CLOTHING"/>	↑	VAT Bus. Posting Gr. (...)	<input style="width: 90%;" type="text" value="NATIONAL"/>
Product Group Code.	<input style="width: 90%;" type="text" value="WOMEN-5"/>	↑	Base Unit of Measure	<input style="width: 90%;" type="text" value="PCS"/>

General	Invoicing	Ordering	POS	Pricing	Distribution	Tracking	Merchandising	Attributes	3rd P.POS
----------------	------------------	-----------------	------------	----------------	---------------------	-----------------	----------------------	-------------------	------------------

Barcode No.	<input type="text" value="0200000003043"/>		Inventory.	<input style="width: 90%;" type="text" value="18.916"/>
Barcode Mask.	<input style="width: 90%;" type="text" value="02NNNNNNN..."/>	↑	Qty. Sold not Posted	<input style="width: 90%;" type="text" value="10"/>
Special Group Code	<input type="text" value="LIZ-LINE"/>		Actual Inventory	<input style="width: 90%;" type="text" value="18.906"/>
Variant Framework Code.	<input style="width: 90%;" type="text" value="WOMEN"/>	↑	Qty. on Purch. Order	<input style="width: 90%;" type="text" value="3.187"/>
Blocked.	<input type="checkbox"/>		Qty. on Sales Order	<input style="width: 90%;" type="text" value="92"/>
Item Family Code	<input style="width: 90%;" type="text"/>	↑	Sales (Qty.)	<input style="width: 90%;" type="text" value="322.708"/>
Print Variants Shelf La...	<input type="checkbox"/>		Sales (LCY)	<input style="width: 90%;" type="text" value="22.589.334,64"/>
Date Created	<input style="width: 90%;" type="text"/>		Purchases (Qty.)	<input style="width: 90%;" type="text" value="3.588"/>
Created by User	<input style="width: 90%;" type="text"/>		Purchases (LCY).	<input style="width: 90%;" type="text" value="138.496,80"/>
Last Date Modified	<input type="text" value="26.03.10"/>		Store Filter	<input style="width: 90%;" type="text"/>
Last Modified by User	<input type="text" value="GUNNARH"/>		Date Filter	<input style="width: 90%;" type="text"/>

<input style="width: 90%;" type="button" value="Item"/>	<input style="width: 90%;" type="button" value="Sales"/>	<input style="width: 90%;" type="button" value="Purchases"/>	<input style="width: 90%;" type="button" value="Functions"/>	<input type="button" value="Help"/>
---	--	--	--	-------------------------------------

Select **Item / Retail Item Availability by / Variant**



The following information window appears:

WOMEN 40020 COLOUR BLACK - Retail Item - Variant Availability

General Extra Dimensions

Location Filter

Item No.	Value	34	36	38	40
40020	YELLOW	192 / 0 / 192	205 / 0 / 205	245 / 0 / 245	253 / 0 / 253
40020	RED	153 / 0 / 153	161 / 0 / 161	204 / 0 / 204	227 / 0 / 227
40020	PINK	154 / 0 / 154	170 / 0 / 170	218 / 0 / 218	241 / 0 / 241
40020	ORANGE	185 / 5 / 190	200 / 10 / 210	280 / 15 / 295	315 / 20 / 335
40020	GREEN	179 / 0 / 179	210 / 2.000 / 2.210	263 / 3.000 / 3.263	311 / 4.000 / 4.311
40020	BLACK	1.771 / 23.382 / 25.153	648 / 10.486 / 11.134	1.308 / 26.991 / 28.299	2.694 / 37.285 / 39.979

OK Cancel

Here the inventory status is displayed. For each cell we have:

1. Items available on inventory (bin items)
2. Items within a prepack (can be exploded)
3. Total items on inventory (1+2).

A location filter can be entered. If a location filter has been set on the Retail Item Card it is copied.

Every cell can be further examined by drilling down. The following window shows the result when the cell for **Item 40020 – Black – 34** is opened:

70086 - Retail Item - Variant - Location Availability

General

Variant filter 035 Location Filter

Item	Type	Description	Total Qty. for Item	50001	50001SPO	50002	50002SPO	50003
1000	Prepack	Bicycle...	-6	-3 / -6				
40020	Item	Skirt Liz Professional Wear	1.771	1.556				30
70082	Prepack	Skirt Liz Professional Prepack	1.932	966 / 1.932				
70086	Prepack	Skirt Liz Professional PrP2	198	99 / 198				
70087	Prepack	Skirt Liz Prepack Black	2.194	97 / 194				
70090	Prepack	Prepack test	18.000					
70091	Prepack	Prepack Liz black 5	1.000					
---TOTAL---		Total Quantity per location:	25.089	3.874				30

OK Cancel

The variant for **Item 40020 – Black – 34** is '035' and it has been added to the variant filter for the form. The variant filter can be changed and a location filter can also be added. If the variant filter is cleared then all variants for an Item are summed up.

This window can be accessed directly from the Retail Item Card by selecting availability by Variant – Location in the menu shown above. In that case the variant filter is empty.

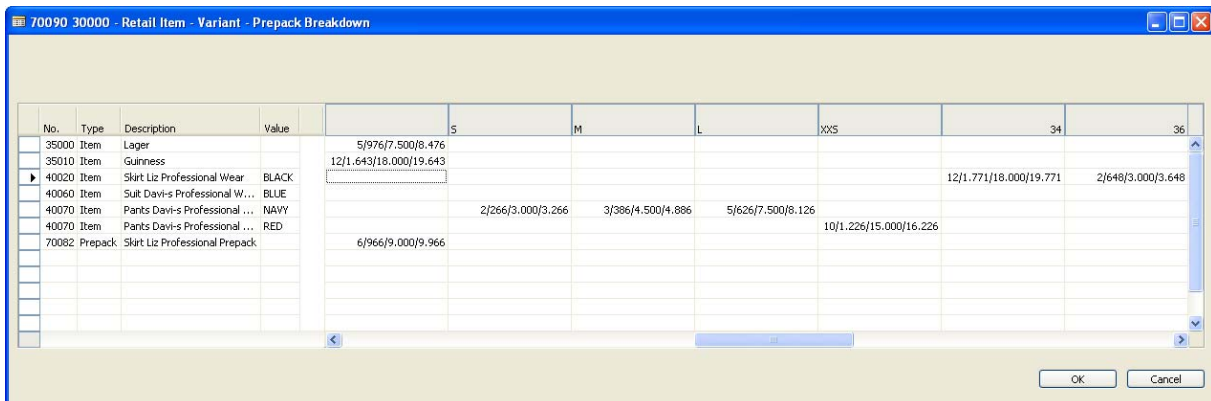
For a cell of the type **Item** number of Items on Inventory is displayed. For a cell of the type **Prepack** two figures are displayed:

1. Prepack Items available on inventory (bin items)
2. Items within a prepack (can be exploded). (Bin Items * number of items in prepack).

For each Item / Prepack we have a total column and for each location we have a total line displaying total Items on Inventory (second figure for cells of type prepack).

2.6.2 Prepack breakdown from Retail Item Card

Prepacks can be explored by selecting **Retail Item Availability by / Variant – Prepack** from the Item menu button on the Retail Item Card. In the following example a prepack is explored that contain Items with different variant framework code. Furthermore, Item 40060 contains three dimensions (Color, Size and Style). In the following window, items on inventory with more than two dimensions are summed up for dimensions 3-6 (cell 40060 – Blue – 44 contain number of items for style 01 and 02).



No.	Type	Description	Value	S	M	L	XXS	34	36
35000	Item	Lager		5/976/7.500/8.476					
35010	Item	Guinness		12/1.643/18.000/19.643					
40020	Item	Skirt Liz Professional Wear	BLACK					12/1.771/18.000/19.771	2/648/3.000/3.648
40060	Item	Suit Davi-s Professional W...	BLUE						
40070	Item	Pants Davi-s Professional ...	NAVY		2/266/3.000/3.266	3/386/4.500/4.886	5/626/7.500/8.126		
40070	Item	Pants Davi-s Professional ...	RED				10/1.226/15.000/16.226		
70082	Prepack	Skirt Liz Professional Prepack		6/966/9.000/9.966					

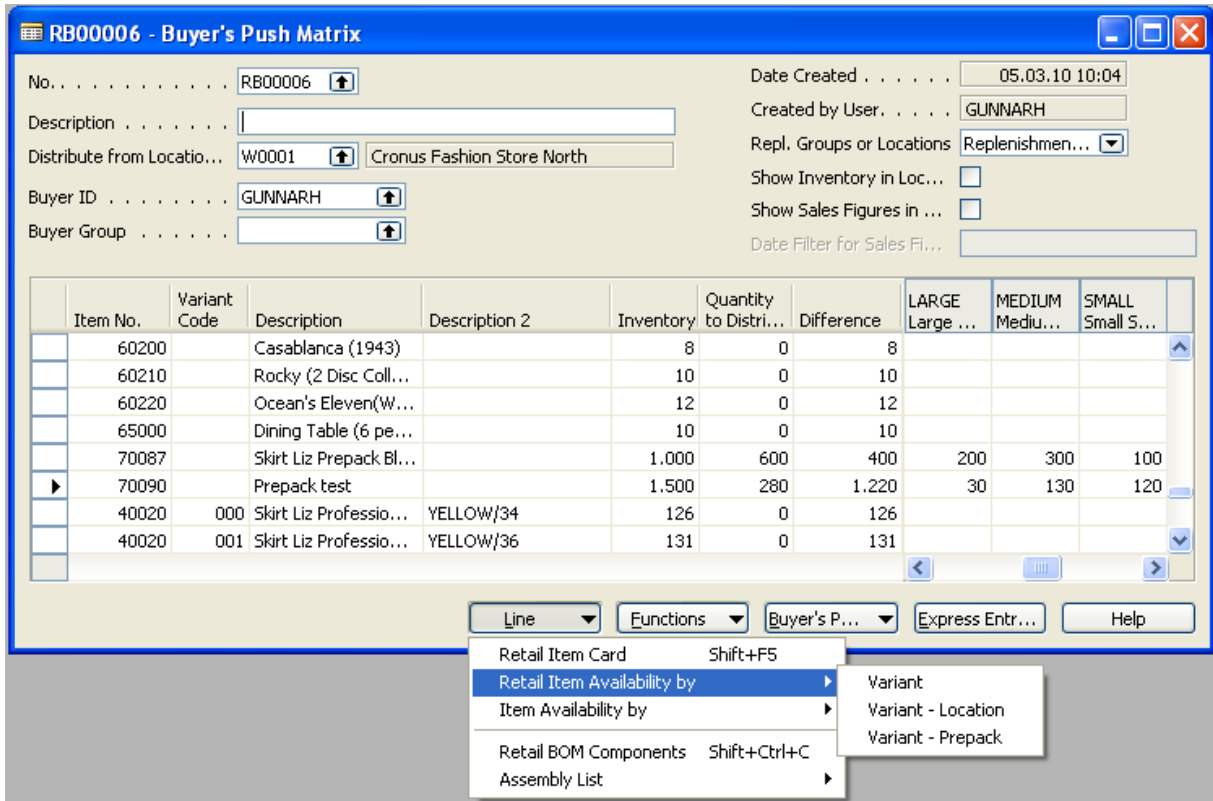
Each cell contain the following information:

1. Number of item / variant in one prepack.
2. Number of available item / variant on inventory (summed for dimensions 3-6 if used).
3. Number of item / variant within the prepack explored.
4. Number of item / variant total (2+3).

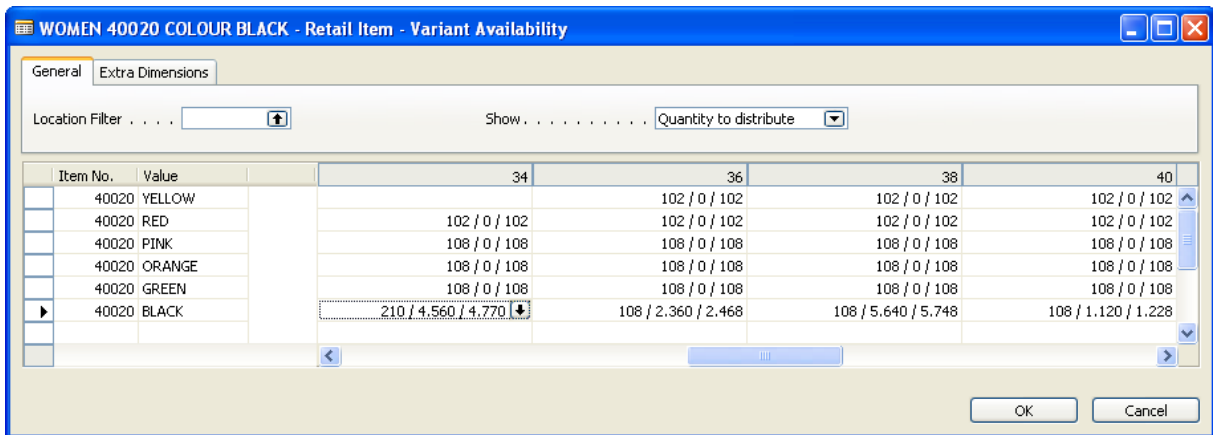
The first column is for Items / prepacks without variants.

2.6.3 Retail Item Variant Availability from Buyer's Push Matrix

A Line menu button has been added to the Buyer's Push Matrix form. Standard query windows are accessible directly from the menu and the new Retail Item Availability windows too.



When **Variant** is selected for Item / Variant (e.g. 40020) the following window appears:



Here, quantities are calculated from the selected Buyer's Push list. The default is to base the calculation on Quantity to distribute, (see show option). The option can be changed to Inventory. Then the Inventory data is used (same as from the Retail Item Card).

Each cell contain the following information (Quantity to distribute):

1. Number of Items / Variant in buyer's push distribution list (bin items)
2. Number of Items / Variant within a prepack in buyer's push distribution list
3. Total Items / Variant on inventory (1+2).

A location filter can be entered.

Every cell can be further examined by drilling down. In the next window is the result when the cell for Item 40020 – Black – 34 is opened:

Item	Type	Description	Total Qty. For Item	50001	500015PO	50002	500025PO	50003	500035PO
40020	Item	Skirt Liz Professional Wear	210					60	
70087	Prepack	Skirt Liz Prepack Black	1,200	100 / 200		100 / 200		100 / 200	
70090	Prepack	Prepack test	3,360	10 / 120		20 / 240		30 / 360	
---TOTAL---		Total Quantity per location:	4,770	320		440		620	

If this window is entered from Buyer’s Push with Quantity to Distribute selected then the information here are from the same source; that is Buyer’s Push List.

The variant for item 40020 – Black – 34 is ‘035’ and it has been added to the variant filter for the form. The variant filter can be changed and a location filter can be added too. If the variant filter is cleared then all variants for an Item are summed up.

This window can be accessed directly from the Buyer’s Push Matrix card by selecting availability by Variant – Location in the menu shown above. In that case the variant filter is empty.

A cell for an Item of type Item shows number of Items entered for distribution in Buyer’s Push Matrix. A cell for an Item of type Prepack shows two figures:

1. Prepack Items entered for distribution in Buyer’s Push Matrix (bin items)
2. Items within a prepack in Buyer’s Push Matrix. (Bin Items * number of items in prepack).

For each Item / Prepack we have a total column and for each location we have a total line displaying total Items in Buyer’s Push Matrix (second figure for cells of type prepack).

2.6.4 Prepack breakdown from Buyer’s Push Matrix

Prepacks can be explored by selecting **Retail Item Availability by / Variant – Prepack** from the Line menu button on the Buyer’s Push Matrix card. In the following example a prepack is explored that contain Items with different variant framework code. Furthermore, Item 40060 contains three dimensions (Color, Size and Style). In the following window items on inventory with more than two dimensions are summed up for dimensions 3-6 (cell 40060 – Blue – 44 contain number of items for style 01 and 02).

No.	Type	Description	Value	S	M	L	XXS	34	36	38	40
35000	Item	Lager		5/5/1,400/1,405							
35010	Item	Guinness		12/0/3,360/3,360							
40020	Item	Skirt Liz Professional Wear	BLACK					12/210/3,360/3,360	2/108/560/668	3/108/840/948	4/108/1,120/1,120
40060	Item	Suit Davis Professional W...	BLUE								
40070	Item	Pants Davis Professional ...	NAVY		2/0/560/560	3/0/840/840	5/0/1,400/1,400				
40070	Item	Pants Davis Professional ...	RED				10/0/2,800/2,800				
70082	Prepack	Skirt Liz Professional Prepack		6/0/1,680/1,680							

Each cell contains the following information:

1. Number of Item / Variant in one prepack.
2. Number of Item / Variant in Buyer’s Push List (summed for dimensions 3-6 if used).

3. Number of Item / Variant within prepacks entered for distribution in Buyer's Push List.
4. Number of Item / Variant total (2+3).

The first column is for Items / Prepacks without variants.

2.6.5 Retail Item Variant Availability from a Purchase Order / Planned Cross Docking

A Retail Item Availability menu has been added to the Line menu button in the Retail Purchase Order card and Replen. Planned cross Docking (selectable from the Functions menu button / Warehouse / Planned Cross Docking).

H0106061 LIZ-s Fashion Ltd - Retail Purchase Order

General Retail Foreign Trade

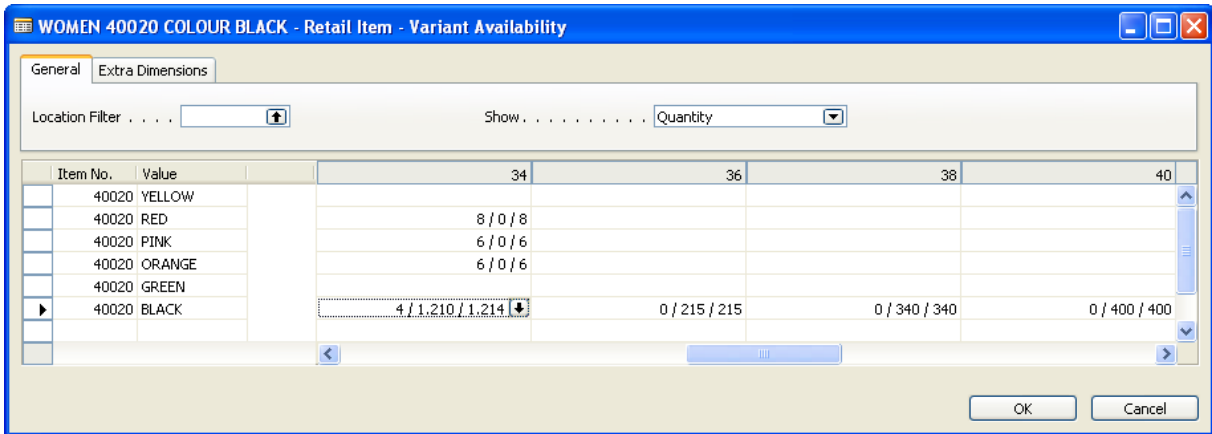
No. H0106061 Posting Date 23.02.10
 Buy-from Vendor No. 44010 Order Date 23.02.10
 Buy-from Contact No. Document Date 23.02.10
 Buy-from Vendor Name LIZ-s Fashion Ltd Expected Receipt Date
 Buy-from Address Hi Fashion House Vendor Order No.
 Buy-from Address 2 Vendor Shipment No.
 Buy-from Post Code/City GB-N16 34Z London Vendor Invoice No.
 Buy-from Contact Flat Foot Order Address Code.
 No. of Archived Versions. 0 Status Open
 Version No. 0 Retail Status Sent
 Store No. Buyer ID SUPER
 Location Code. W0001 Created By Source Code. REPLEN
 Buyer Group Code. MEN-WOMEN

T..	No.	Vendor I...	Variant C...	Description	Location ...	Unit of M...	Quantity
	40020	1P34-956		Skirt Liz Professional Wear	W0001	PCS	60
I...	40030	1P44-056		Hat Liz Casual Wear	W0001	PCS	111
I...	40050	1R12-074		Suit Liz Professional Wear	W0001	PCS	23
I...	40080	1C01-015		Pants Boys Tim-n Tina Wear	W0001	PCS	16
I...	40090	1C01-020		Coat Tim-n Tina Wear	W0001	PCS	21
I...	70087			Skirt Liz Prepack Black	W0001	PACK	5
	40060			Suit Davi-s Professional Wear	W0001	PCS	200
I...	70090			Prepack test	W0001		100
I...	35000			Lager	W0001	L	20

Order Line Functions Posting Print Help

- Retail Item Availability by
 - Variant
 - Variant - Location
 - Variant - Prepack
- Item Availability by
- Reservation Entries
- Item Tracking Lines
- Dimensions Shift+Ctrl+D
- Item Charge Assignment
- Special Order

When availability by Variant is selected for a Variant item (e.g. 40020) the following window appear:



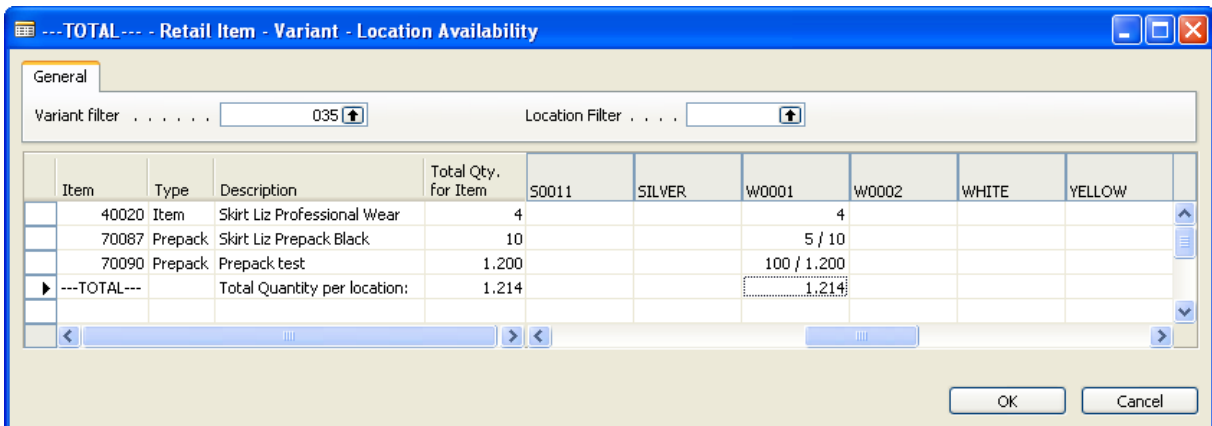
Here quantities are calculated from the purchase order lines. The default is to base the calculation on Quantity, (see show option). The option can be changed to Quantity to distribute. Then the quantities are read from the related Replenishment Planned Cross Docking data (Transfer Lines).

Each cell contain the following information (Quantity or Quantity to distribute):

1. Number of Items / Variant in the purchase order / transfer lines (bin items).
2. Number of Items / Variant within a prepack in the purchase order / transfer lines.
3. Total Items / Variant in the purchase order / transfer lines (1+2).

A location filter can be entered.

Every cell can be further examined by drilling down. In the next window is the result when the cell for Item 40020 – Black – 34 is opened:



When this form is entered from the Retail Item - Variant Availability window, the information is read from the same source (Quantity or Quantity to Distribute).

The variant for item 40020 – Black – 34 is '035' and it has been added to the variant filter for the form. The variant filter can be changed and a location filter can be added too. If the variant filter is cleared then all variants for an Item are summed up.

This window can be accessed directly from the Purchase Order / Planned Cross Docking by selecting availability by Variant – Location in the menu shown above. In that case the variant filter is empty.

A cell for an Item of type Item shows number of Items purchased or for distribution in planned cross docking. A cell for an Item of type Prepack shows two figures:

1. Quantities purchased or quantities entered for distribution in planned cross docking. (bin items)
2. Items within a purchased prepacks or within prepacks planned for cross docking. (Bin Items * number of items in prepack).

For each Item / Prepack we have a total column and for each location we have a total line displaying total Items in Purchase Order / Planned Cross Docking (second figure for cells of type prepack).

2.6.6 Prepack breakdown from Purchase Order Lines / Planned Cross Docking

Prepacks can be explored by selecting Retail Item Availability by / Variant – Prepack from the Line menu button on the Purchase Order card and Planned Cross Docking. In the following example, a prepack that contain Items with different variant framework code is explored. Furthermore, Item 40060 contains three dimensions (Color, Size and Style). In the following window items on inventory with more than two dimensions are summed up for dimensions 3-6 (cell 40060 – Blue – 44 contain number of items for style 01 and 02).

No.	Type	Description	Value	S	M	L	XXS	34	36	38	40
35000	Item	LAGER	5/20/500/520								
35010	Item	Guinness	12/0/1.200/1.200								
40020	Item	Skirt Liz Professional Wear	BLACK					12/4/1.200/1.204	2/0/200/200	3/0/300/300	4/0/400/400
40060	Item	Suit Davi-s Professional W...	BLUE								
40070	Item	Pants Davi-s Professional ...	NAVY		2/0/200/200	3/0/300/300	5/0/500/500				
40070	Item	Pants Davi-s Professional ...	RED				10/0/1.000/1.000				
70082	Prepack	Skirt Liz Professional Prepack	6/0/600/600								

Each cell contains the following information:

1. Number of Items / Variants in one prepack.
2. Number of Items / Variants in Purchase Order Lines or Transfer Lines (Planned Cross Docking) (summed for dimensions 3-6 if used).
3. Number of Item / Variant within prepacks in Purchase Order Lines or Transfer Lines (Planned Cross Docking).
4. Number of Item / Variant total (2+3).

The first column is for Items / Prepacks without variants.

2.7 POS Functionality

Prepacks can be sold on the POS like any other item. Prepacks are not exploded at entry or posting. Prepacks can be exploded manually and on receiving (POs and TOs) at store, warehouse or both.