

Entersoft WMS 5.6.0.0

Entersoft Business Suite® | Entersoft CRM® | Entersoft WMS®

New feature and extensions

Contents

1.	WMS Back Office extensions	4
1.1	Improved document creation	4
1.2	Improvements to the Loading screen	4
1.2.1	Invoiced orders filter	4
1.2.2	Ability to select 2 or more SOs	4
1.2.3	Scheduling control addition	5
1.3	New tab in the item form	6
2.	WMS Mobile Extensions	8
2.1	Correct Receipt in RF	8
2.2	Item Movement	8
2.2.1	Unreserved stock	8
2.2.2	Auto declare quantity	10
3.	WMS Touch applications extensions	11
3.1	Receipt Station	11
3.1.1	Tare controls	11
3.1.2	New receipt request lot	11
3.1.3	New container from SCC scan	13
3.1.4	Delete Action Item with weighing	14
3.2	Packing Station	15
3.2.1	Touch functionality in search fields	15
3.2.2	Item and quantity confirmation screen	15
3.3	Product Station	16
3.3.1	Ad Hoc Production	16
3.3.2	Weighing with manual tare declaration	17
3.4	Operation Entry	18

Brief description of version contents

A summary of the main version features. Next up, the full new features & improvements catalog is broken down per category, along with the use of instructions & examples, as appropriate.

Entersoft WMS Back Office

- Improved document creation
- Invoiced orders filter on the loading screen
- Ability to select 2 or more SOs in the relevant field
- Scheduling control addition
- WMS Info Tab addition to the item form

Entersoft WMS Mobile

- Ability to Correct Receipt in RF
- Improvement of item movement (unreserved stock)
- Auto declare quantity in item movement from W/H

Entersoft WMS Touch

- Receipt station: Tare controls addition
- Receipt station: New lot and update of the receipt request
- Receipt station: Improved functionality of New Container from SSCC scan
- Receipt station: Improved deletion functionality of Action Item with weighing
- Packing station: Expanded the touch functionality in search fields
- Packing station: Ability to confirm item and quantity (pop-up window)
- Product station: Option for ad hoc production item instead of order
- Product station: Weighing with manual tare declaration
- Kiosk: Recording of action duration

1. WMS Back Office extensions

1.1 Improved document creation

In this version, the way of creating documents in ERP (e.g. receipt from item movement) has been improved. A control was added to automation:

[ESScrollerCommands\ESWMIInternalMovements\ReceiptStockMovementsToERP](#)

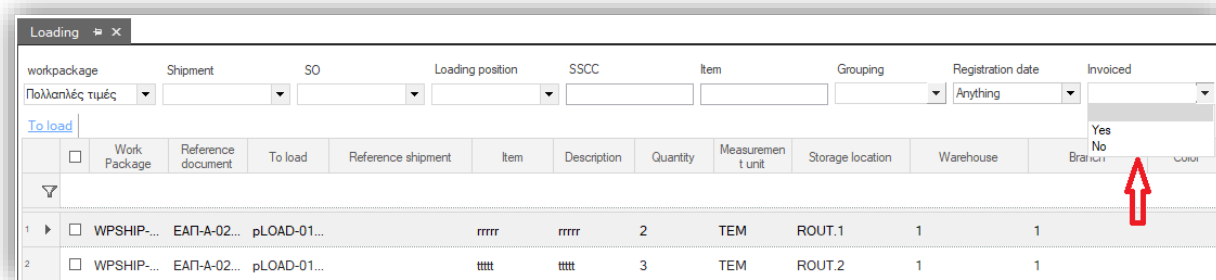
to check whether the WHs and Sites belong to the matching.

1.2 Improvements to the Loading screen

Some general improvements were implemented with regard to the loading screen.

1.2.1 Invoiced orders filter

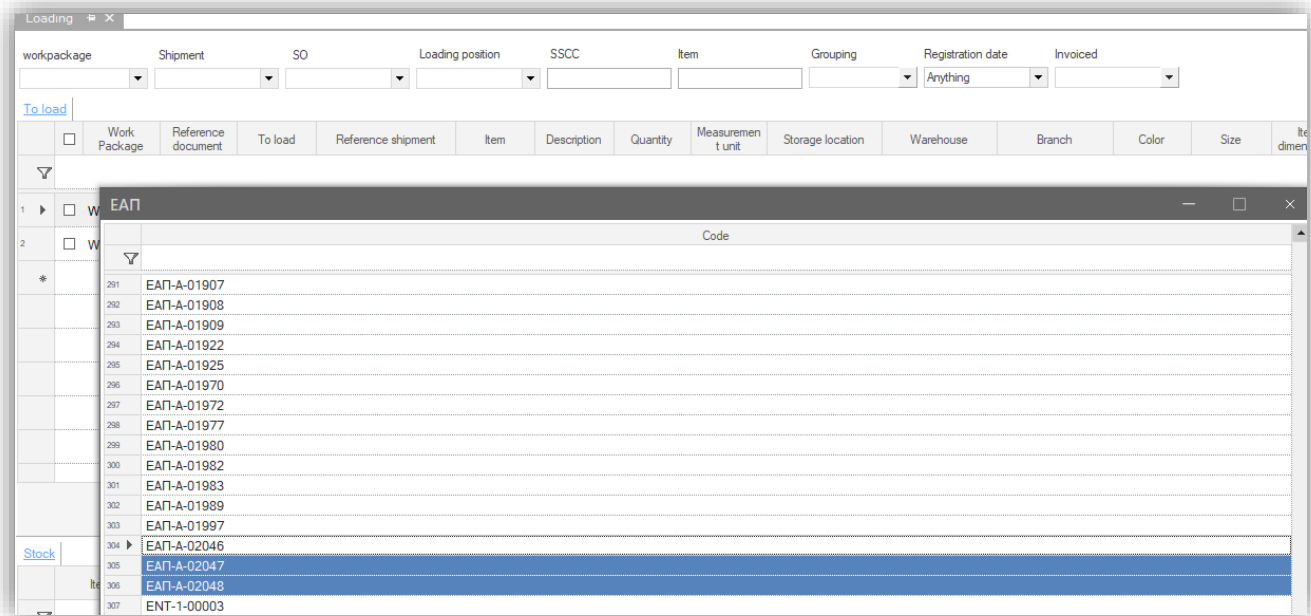
Initially, the filter/criterion for invoiced orders (partially/in total) was added so that it could be used by more installations.



Workpackage	Shipment	SO	Loading position	SSCC	Item	Grouping	Registration date	Invoiced	To load
Πολλαπλές τιμές							Anything	Yes No	
1	WPSHIP-...	ΕΑΠ-Α-02...	pLOAD-01...	rrrr	rrrr	2	TEM	ROUT.1	1
2	WPSHIP-...	ΕΑΠ-Α-02...	pLOAD-01...	tttt	tttt	3	TEM	ROUT.2	1

1.2.2 Ability to select 2 or more SOs

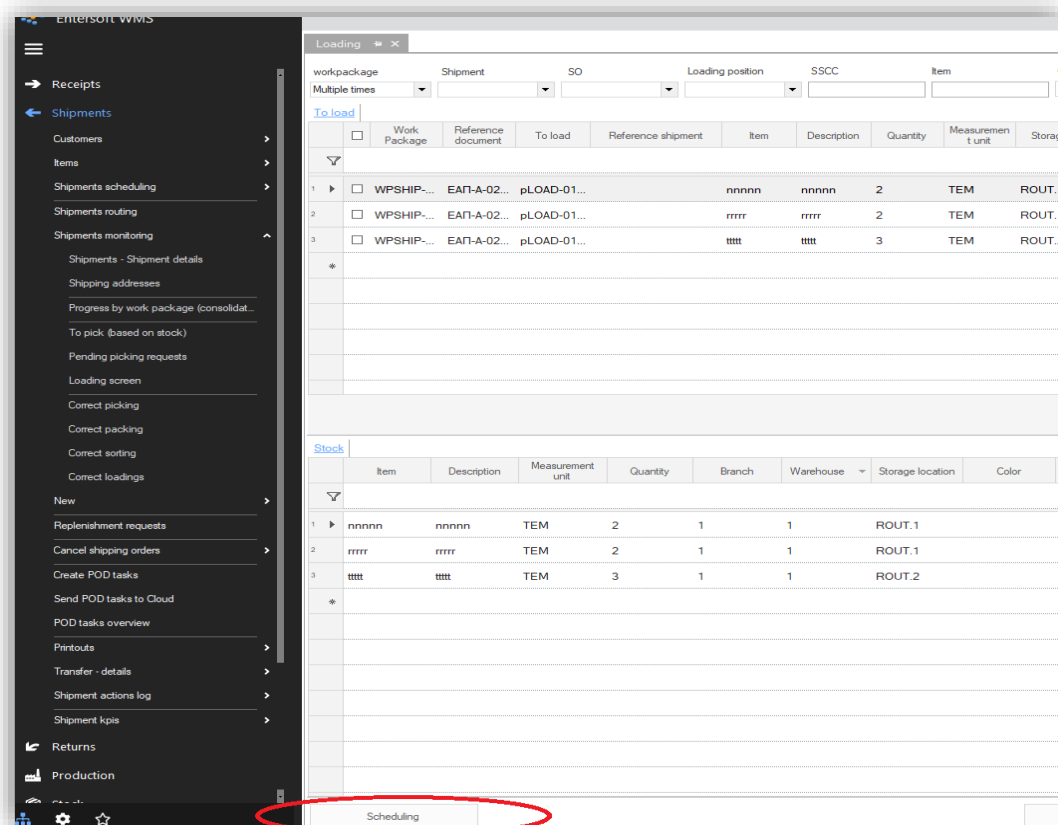
Secondly, the present version supports the functionality of selecting more than 1 SO in the relevant field. More specifically, by pressing F3 in fields: Workpackage, Send, SO and Loading position multiple values can be selected.



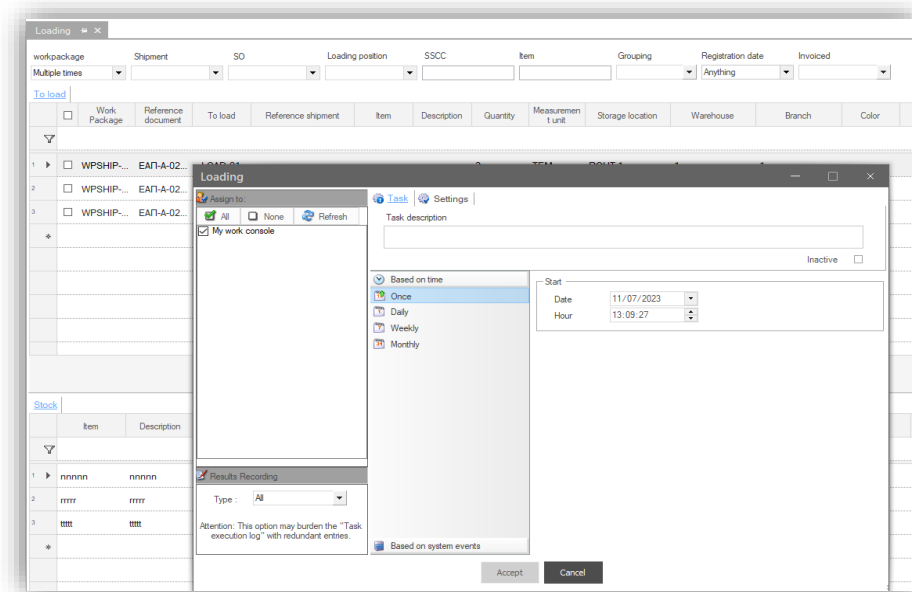
Work Package	Reference document	To load	Reference shipment	Item	Description	Quantity	Measurement unit	Storage location	Warehouse	Branch	Color	Size	Item dimension
1													
2													
*													
291				EAP-A-01907									
292				EAP-A-01908									
293				EAP-A-01909									
294				EAP-A-01922									
295				EAP-A-01925									
296				EAP-A-01970									
297				EAP-A-01972									
298				EAP-A-01977									
299				EAP-A-01980									
300				EAP-A-01982									
301				EAP-A-01983									
302				EAP-A-01989									
303				EAP-A-01997									
304				EAP-A-02046									
305				EAP-A-02047									
306				EAP-A-02048									
307				ENT-1-00003									

1.2.3 Scheduling control addition

Finally, the Scheduling button was added to the loading screen. The user can now schedule the usecase based on the criteria declared on the screen.



Item	Description	Measurement unit	Quantity	Branch	Warehouse	Storage location	Color
1	nnnnn	TEM	2	1	1	ROUT.1	
2	rrrrr	TEM	2	1	1	ROUT.1	
3	ttttt	TEM	3	1	1	ROUT.2	
*							



1.3 New tab in the item form

A new tab has been added in EBS, on the item screen with the name: [WMS Info](#)

It depends on whether the Activate Warehouse Management System is enabled (in EBS): [Configuration> Company parameters > Activate Warehouse Management System \(WMS\) >> TRUE](#)

In addition, 3 reports were added, as well as in WMS, namely:

- WMS stock analysis
- WMS event log
- WMS item actions

Now there's a more complete picture of the item available, with all the details that the user may need to see. Such as, analysis of WMS stock, the event log and item actions, just like in WMS.

Finally, it is essential that it's possible to enter a new item (WMS) through EBS using the exact same process, like it was being implemented in WMS.

Basic data

Identity

Organization

Transfer

Dimensions

Item relations

User defined fields

Properties

MyData parameters

Attachments

VMS info

Overview

Availability

Item register

Item trial balance

Pricelist

Sales statistics

Check cost

Pending

Returns

Dimensions

Bills of materials

Production versions

Technical features

Related persons

Budget vs. actual

Compare fiscal years

WMS stock analysis

WMS event log

WMS item actions

Identity

Organization

Transfer

Dimensions

Item relations

User defined fields

Properties

MyData parameters

Attachments

WMS info

Measurement units

Base M.U. TEM

Weight MU

Alternative M.U.

Volume M.U.

Trading MU Basic

Add Service MU to packaging hierarchy

Packaging

	Measurement unit	Description	Relation to base mu	Relation type to Base MU	Inactive
1	KIB24	Κιβώτιο 24 Τεμαχίων	24.000000	1 MU = n BaseMU	☐
2	TEM	Αριθμός τεμαχίων	1.000000	1 MU = n BaseMU	☐
*					

Packing unit hierarchy

	Measurement unit	Description	Relation to base mu	Relation type to Base MU	Inactive
1	TEM				
2	KIB24				

Standard containers

	Container type	Item MU	Relation	Layers	Supplier	Flag 1
1	EUR	KIB24	80.000000000000	0		☐
*						

Compare fiscal years

WMS stock analysis

WMS event log

WMS item actions

Related persons

Budget vs. actual

Compare fiscal years

WMS stock analysis

WMS event log

WMS item actions

Page: 7 / 18

2. WMS Mobile Extensions

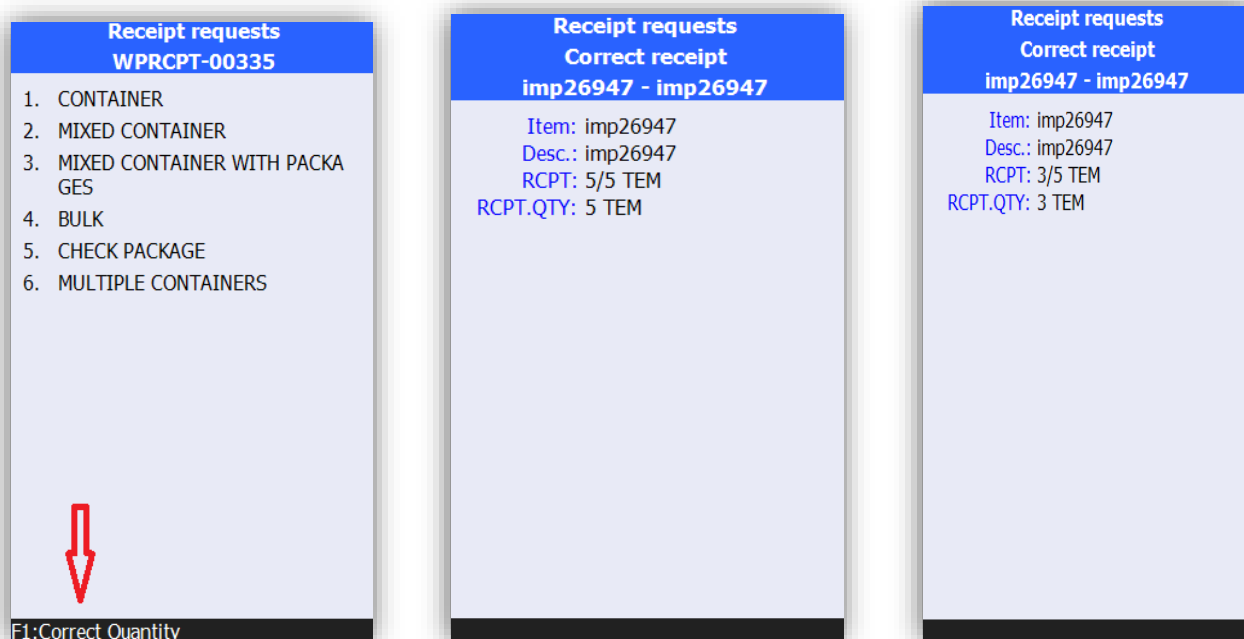
2.1 Correct Receipt in RF

It is now possible for the RF user to correct a receipt. This will help in case a user enters e.g. a wrong quantity, so that it can be easily and quickly corrected.

In essence, after selecting the receipt WorkPackage, the Correct Quantity option has been added to the receipt mode sub-menu, by pressing F1. All receipt actions on the selected WorkPackage (if any) are displayed. By selecting one, the user can change its quantity.

This functionality is available in menu:

1. [IMPORTS > 1. RECEIPT](#)



2.2 Item Movement

2.2.1 Unreserved stock

Priority is now given to unreserved stock during item movement. This fixes any problems arising e.g. with a simple ad hoc item movement, where the reserved stock scenario intervened, due to the menu collapsing.

Below you can see example where it appears that during the 1-piece ad hoc item movement, the free stock is affected instead of the reserved stock.

2.2.2 Auto declare quantity

It is now possible to auto declare quantity. Essentially, the functionality was expanded to include item movements from W/H.

This functionality is available in menu:

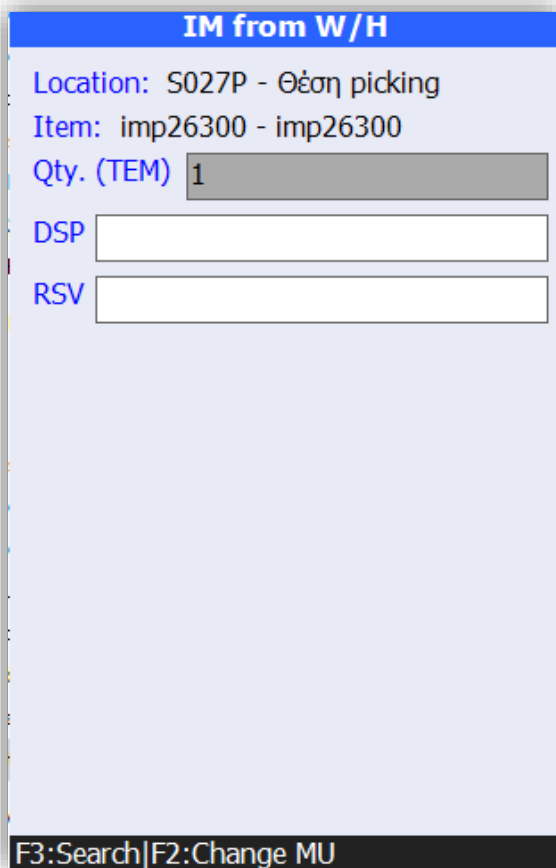
[5. ITEM MOVEMENT>4 CHANGE W/H >ITEM MOVEMENT FROM W/H.](#)

and requires enabling parameter: in Config.xml:

[STOCK_TRANSFER_QTY_DEFAULT_VALUE](#)

and disabling parameter: in Config.xml:

[STOCK_TRANSFER_QTY_ISEDITABLE](#)



IM from W/H

Location: S027P - Θέση picking
Item: imp26300 - imp26300
Qty. (TEM) 1
DSP
RSV

F3:Search|F2:Change MU

3. WMS Touch applications extensions

3.1 Receipt Station

3.1.1 Tare controls

The following buttons have been added:

1. Keep tare

where there will be a button that enables/disables the following mode:

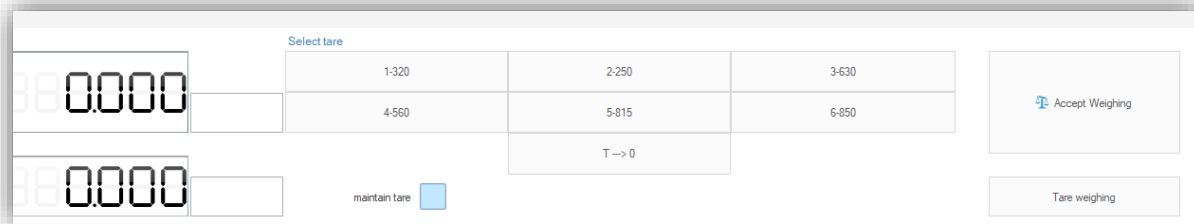
- Enable: when the container is closed or when the receipt quantity is declared, it will maintain the current tare on the weighing screen and not reset it.
- Disable: Closing the container will reset the tare to null.

The following parameter was also added to the ES00KioskParams.xml file:

KEEP_TARE

With a default value of 0, where, when activating the receipt station, this mode will not be enabled.

With a value of 1, where, when activating the receipt station this mode will be enabled.



2. Tare weighing

This button will transfer the current kilos from the gross weight to the tare weight (Dynamic tare from weighing).

However, whether or not the weight of the tare will be retained in the next action will not depend on this button, but on the “Keep tare” button explained above.

3.1.2 New receipt request lot

This functionality covers the need to update the receipt request with the created lot (new lot) by item in the first receipt action. This happens because, if the item is received with multiple weighing, the user does not need to indicate a lot each time.

Below you can see the functionality, with a specific example:

Initially, the receipt request does not have a lot

	Open	WP Code	Resource code	Request status	Code	Request description	Request registration date	Quantity	MU	Lot	Open quantity (Service ...)	Lot barcode	WH	Storage
▼														
▲ water3 (water3)														
▶ ◀ ▶	☑	WPRCPT-00340	Σε εξέλιξη	ρRCPT-00910	Αίτημα παραλαβής	11/07/2023	5.000	TEM			4	To: 1		

So, when the user selects a receipt request (Search for (request) item), the Enter Receipt dialog will not offer information about the lot.

▼ Receipt

Select WP

WPRCPT-00340

Search item (of request)

water3

Item (to be received)

water3

Complete receipt

Select supplier

SUP00000

Container content

Receipt in requests

SSCC (to receipt)

▼ Receipt actions

AdHoc	Action status	Completion date	Resource description	Action code
▼				

Καταχώρηση Παραλαβής

Select item

water3

Περιγραφή

water3

Item MU

TEM

Quantity

1

Lot code

Lot expiration date

(none)

Αποδοχή

Ακύρωση

Then, the user selects the Lot end date, which is enough to open a new lot on our system.

Lot code

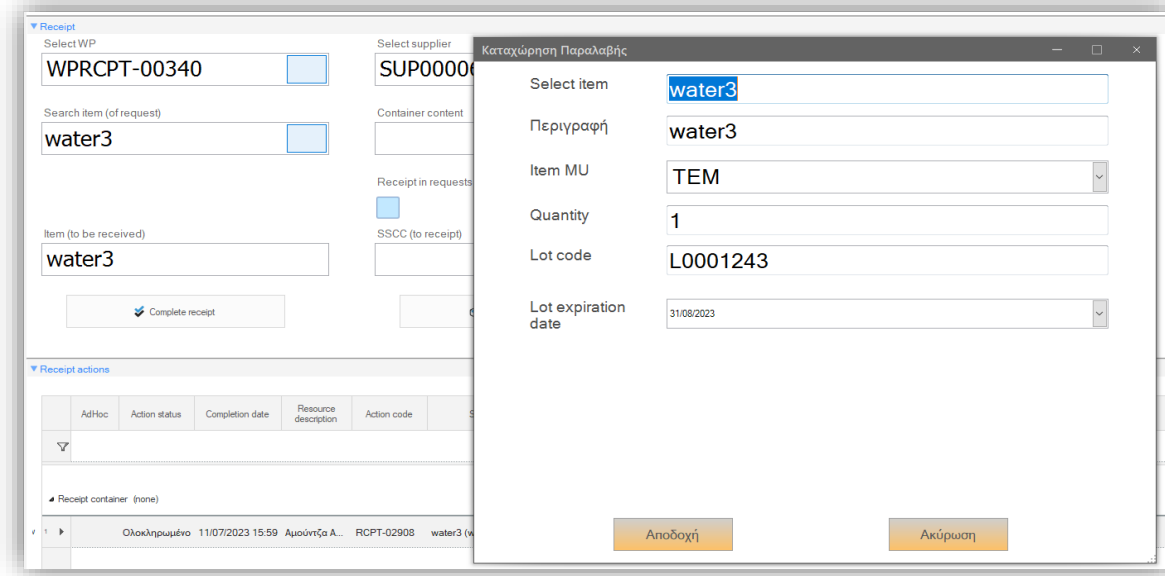
Lot expiration date

31/08/2023

By creating an item action, the item request then is updated with the new lot.

	Open	WP Code	Resource code	Request status	Code	Request description	Request registration date	Quantity	MU	Lot	Open quantity (Service ...)	Lot barcode	WH	Storage
▼														
▲ water3 (water3)														
▶ ◀ ▶	☑	WPRCPT-00340	Σε εξέλιξη	ρRCPT-00910	Αίτημα παραλαβής	11/07/2023	5.000	TEM	L0001243		4	To: 1		

From this moment on, when the user selects the receipt request (Search item (Request)), the dialog now displays the information of the new lot created.



The screenshot shows the 'Receipt Station' interface. A modal window titled 'Καταχώρηση Παραλαβής' (Receipt Entry) is open, allowing the user to select an item. The modal contains the following fields:

- Select item: water3
- Περιγραφή (Description): water3
- Item MU: TEM
- Quantity: 1
- Lot code: L0001243
- Lot expiration date: 31/08/2023

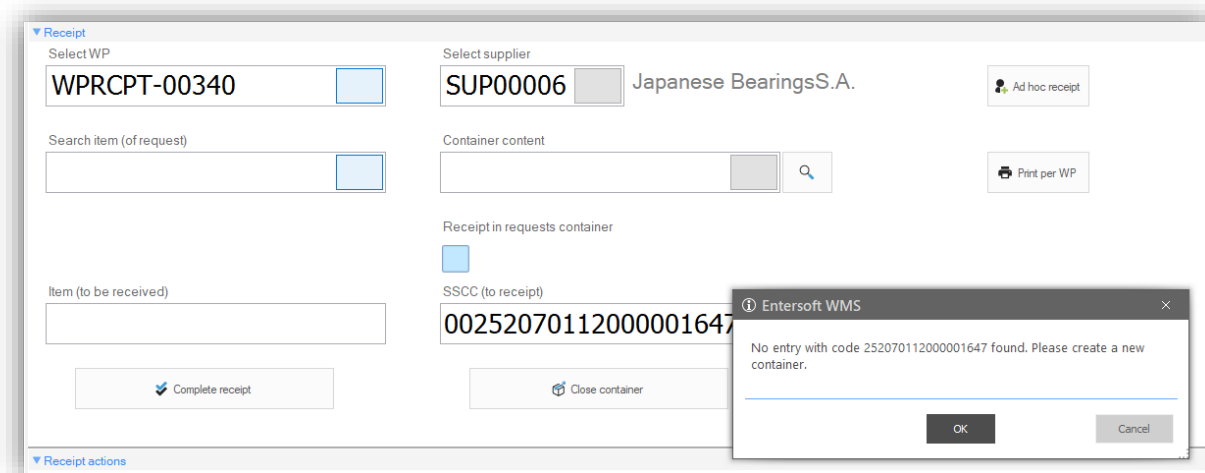
Buttons at the bottom of the modal are 'Αποδοχή' (Accept) and 'Ακύρωση' (Cancel). The background interface shows a 'Select WP' field with 'WPRCPT-00340', a 'Select supplier' field with 'SUP00000', and a 'Search item (of request)' field with 'water3'. There is also a 'Complete receipt' button.

The functionality described above in the form of an example, can be enabled via a new parameter in the ES00KioskParams.xml file:

COPY_NEW_LOT_TO_REQUEST_ITEM

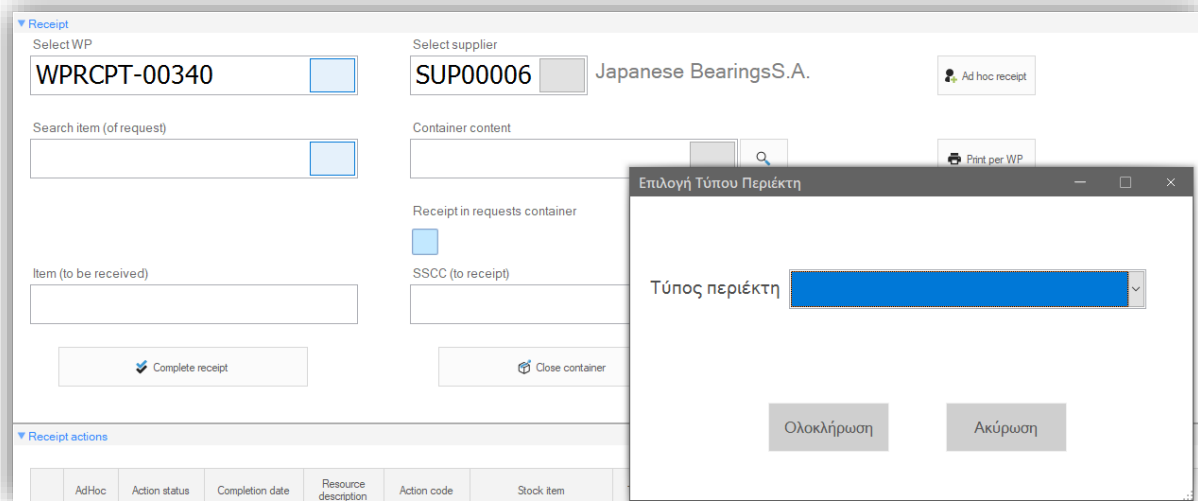
3.1.3 New container from SCC scan

In this version, the process of creating a new container from an SSCC scan has been improved. More specifically, in order to optimize user time of executing the process, after checking that there is no container in the the Receipt Station,



The screenshot shows the 'Receipt Station' interface. A message box titled 'Entersoft WMS' is displayed, stating: 'No entry with code 252070112000001647 found. Please create a new container.' The message box has 'OK' and 'Cancel' buttons. The background interface shows a 'Select WP' field with 'WPRCPT-00340', a 'Select supplier' field with 'SUP00006' and 'Japanese Bearings S.A.', and a 'Search item (of request)' field. There is also a 'Complete receipt' button and a 'Close container' button.

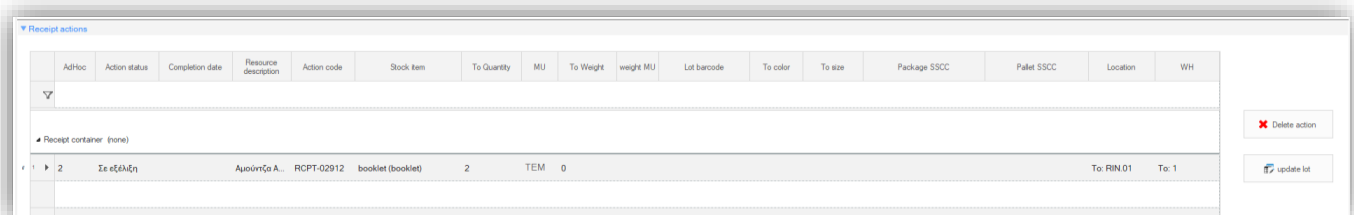
a New Container will be created automatically.



3.1.4 Delete Action Item with weighing

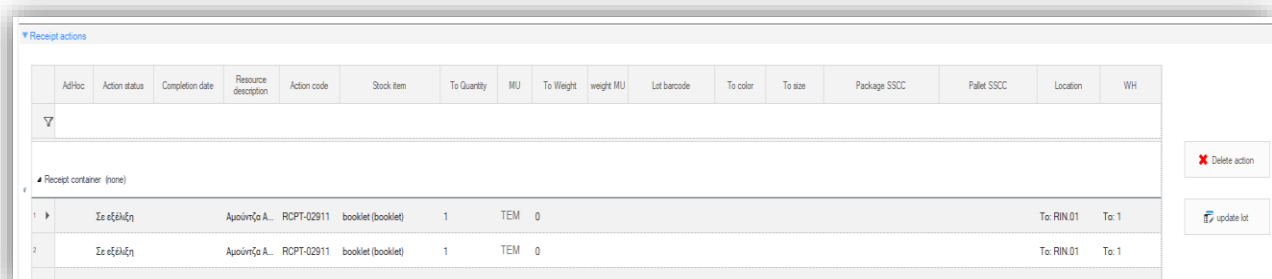
As far as the deletion of action items is concerned, the following differentiation method has been implemented:

1. In the form that does not include weighing, the action items come grouped by item and dimensions, so the user can delete based on the quantity they choose each time.



AdHoc	Action status	Completion date	Resource description	Action code	Stock item	To Quantity	MU	To Weight	weight MU	Lot barcode	To color	To size	Package SSCC	Pallet SSCC	Location	WH
2	Σε εξέλιξη		Αμύντζα Α...	RCPT-02912	booklet (booklet)	2	TEM	0							To: RIN 01	To: 1

2. In the form that includes weighing, the action items do not come grouped (as item weighing is involved in every action item), therefore the deletion is made per action item.

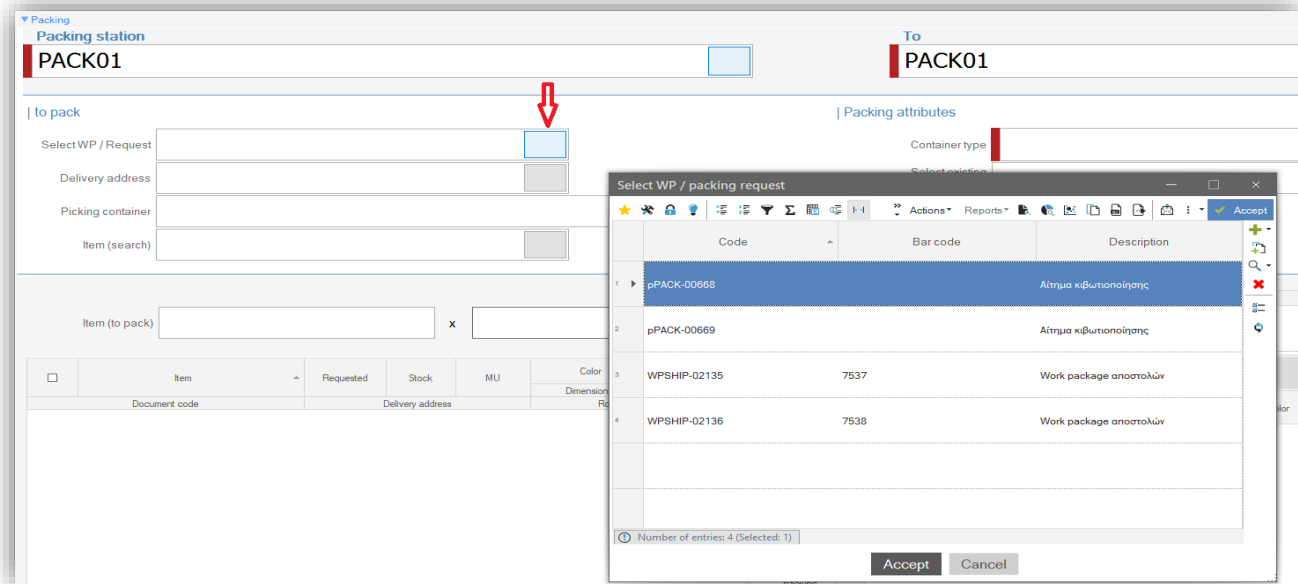


AdHoc	Action status	Completion date	Resource description	Action code	Stock item	To Quantity	MU	To Weight	weight MU	Lot barcode	To color	To size	Package SSCC	Pallet SSCC	Location	WH
1	Σε εξέλιξη		Αμύντζα Α...	RCPT-02911	booklet (booklet)	1	TEM	0							To: RIN 01	To: 1
2	Σε εξέλιξη		Αμύντζα Α...	RCPT-02911	booklet (booklet)	1	TEM	0							To: RIN 01	To: 1

3.2 Packing Station

3.2.1 Touch functionality in search fields

In the search fields (either via F3 or Shift+F3) of the Receipt Station form, fields were added that perform the search by being pressed. This functionality serves the full touch mode, although it is also available in a keyboard environment.



This functionality is also available in hotfix of versions 5.3.0.0, 5.4.0.0 and 5.5.0.0.

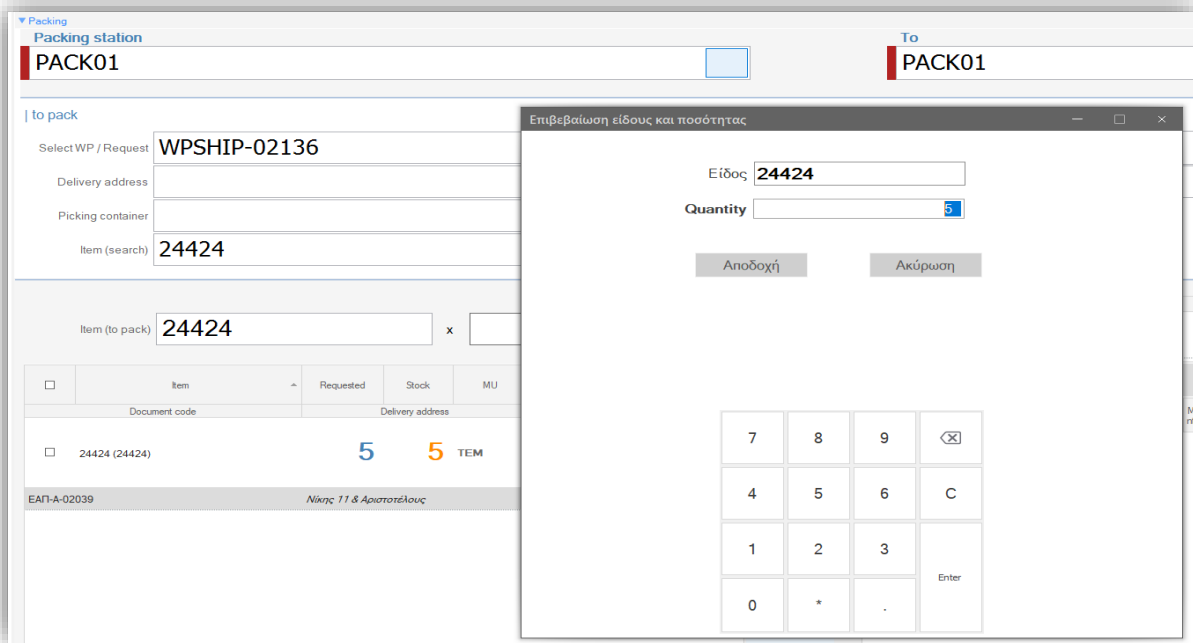
3.2.2 Item and quantity confirmation screen

The extension concerns an already existing functionality, and the case where the parameter in file ES00KioskParams has a value of 2:

INPUT_QTY_DEFAULT_VALUE_BASED_ON_PACK_REQUESTS

Note that in this case, when an item for packing with a quantity of requests > 1 is scanned, then a quantity confirmation screen is displayed with the total amount of item requests scanned as the default quantity.

Essentially, a new screen was created where the user has the ability to avoid mistakes, as they can now see what item has been scanned and confirm the quantity.



The screenshot shows the 'Packing station' interface with a 'PACK01' header. A modal window titled 'Επιβεβαίωση είδους και ποσότητας' (Verify item and quantity) is open. It contains the following fields and controls:

- Είδος (Item):** 24424
- Quantity:** 5
- Buttons:** Αποδοχή (Accept), Ακύρωση (Cancel)
- Keypad:** A numeric keypad with digits 0-9, *, and ., along with a backspace button (X) and an 'Enter' button.

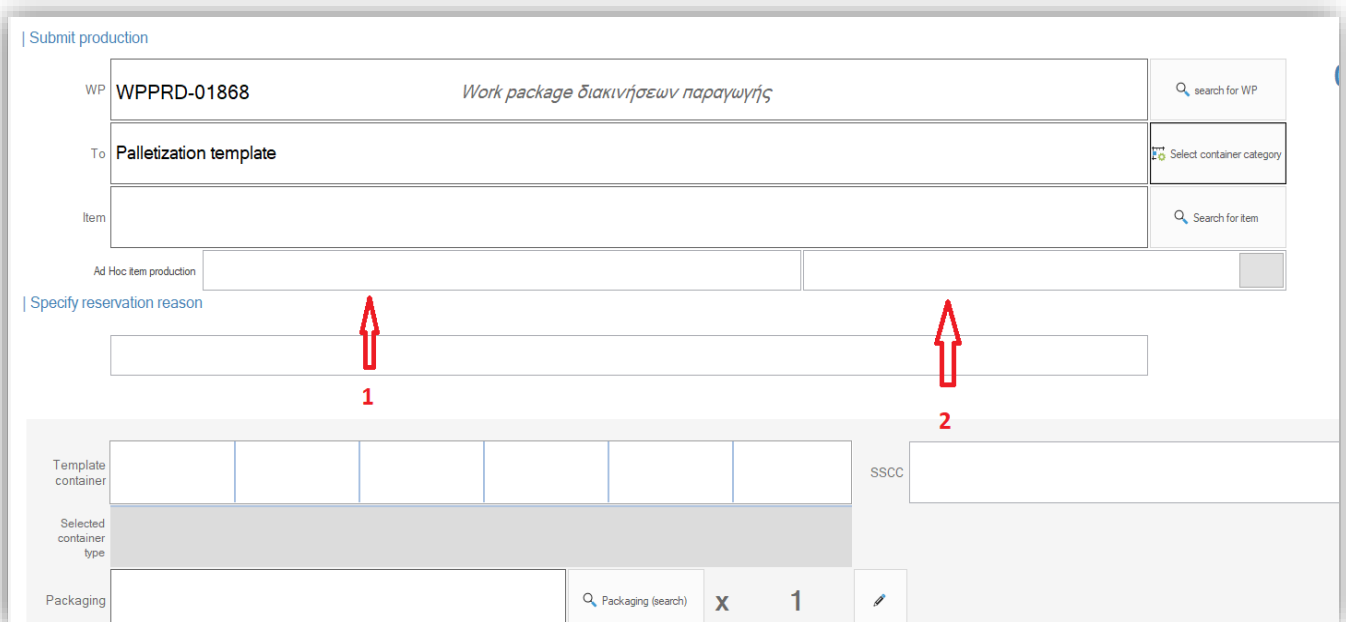
In the background, the 'to pack' section shows 'Select WP / Request' as WPSHIP-02136 and 'Item (search)' as 24424. A table below shows item details for 24424 (24424) with a quantity of 5 and a stock of 5.

The same solution was implemented even when an item is selected from packing requests (without any scanning).

3.3 Product Station

3.3.1 Ad Hoc Production

With this functionality we tried to meet the need for ad hoc production of an item against a specific order. This was achieved by adding 2 new fields shown below.

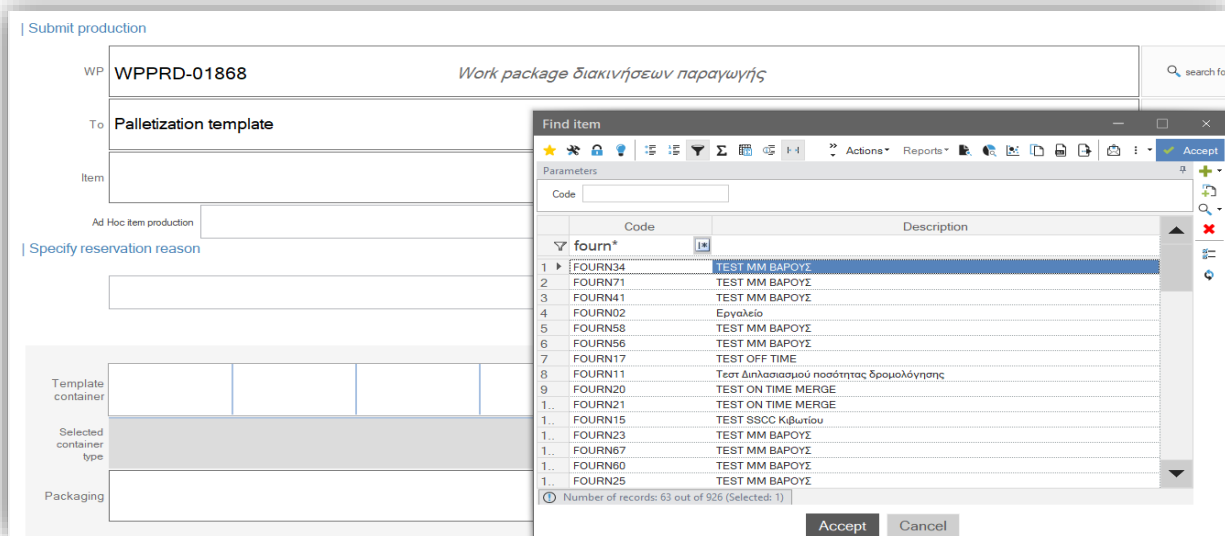


The screenshot shows the 'Submit production' interface. It includes the following fields and controls:

- WP:** WPPRD-01868 (Work package διακινήσεων παραγωγής)
- To:** Palletization template
- Item:** (Empty field)
- Ad Hoc item production:** (Empty field)
- Specify reservation reason:** (Empty field)
- Template container:** (Empty field)
- Selected container type:** (Empty field)
- Packaging:** (Empty field)
- SSCC:** (Empty field)
- Buttons:** search for WP, Select container category, Search for item, Packaging (search), x, 1, and a pencil icon.

Two red arrows point to the 'Ad Hoc item production' and 'Specify reservation reason' fields, which are labeled with red numbers 1 and 2 respectively.

1. With the left field we covered the ability of a user to scan the item (the item is resolved).
2. On the other hand, with the right field we covered F3 and the view opening to allow the user to choose an item.



The screenshot shows the 'Submit production' form with the following fields:

- WP: WPPRD-01868 (Work package διακινήσεων παραγωγής)
- To: Palletization template
- Item: (empty)
- Ad Hoc item production: (empty)
- Specify reservation reason: (empty)
- Template container: (empty)
- Selected container type: (empty)
- Packaging: (empty)

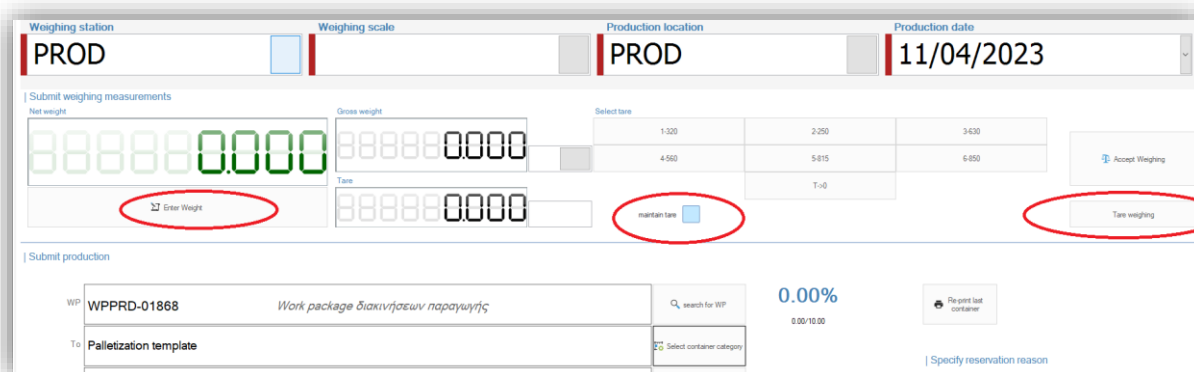
The 'Find item' dialog is open, showing a list of items with the search criteria 'fourn*'. The list includes items like FOURN34, FOURN71, FOURN41, etc., with descriptions in Greek. The 'Accept' button is highlighted.

The display of these 2 fields in the Product Station form depends on the parameter in the Config.xml file:

[AD_HOC_ITEM_SEARCH](#)

3.3.2 Weighing with manual tare declaration

In this release, everything that has been implemented for the tare at the Receipt Station has now also been transferred to the Product Station.



The screenshot shows the 'Weighing station' form with the following fields:

- Weighing station: PROD
- Weighing scale: (empty)
- Production location: PROD
- Production date: 11/04/2023
- Submit weighing measurements: (empty)
- Net weight: 8888.0000
- Gross weight: 8888.0000
- Select tare: (empty)
- Enter Weight: (button, circled in red)
- maintain tare: (checkbox, circled in red)
- Accept Weighing: (button)
- Tare weighing: (button, circled in red)
- Submit production: (empty)
- WP: WPPRD-01868 (Work package διακινήσεων παραγωγής)
- To: Palletization template
- 0.00% (displayed)
- 0.00/10.00 (displayed)
- Reprint test container: (button)
- Specify reservation reason: (empty)

3.4 Operation Entry

In this version, two extensions have been implemented concerning the process of recording the actions duration in our Kiosk applications. More specifically:

- Packing Station
- Receipt Station
- Product Station

To enable this functionality, Enable duration tracking must be selected in the action type (each time accordingly).

[Configuration > Warehouse Management > Action Types > Selection of each type \(PACK, RCPT, PROD\)](#)

▼ Updates

Do not allow serial number import if loaded ☐

Do not allow stock modifications in replenishment request contains ☐

Enable duration tracking ☒

Fulfillments of fulfilled documents are not allowed ☐

Fulfillment document line type

Mandatory reservation reason in mapped storage location ☐

Actions of this type are allowed at locked storage locations ☐

Actions of type on locked items are allowed ☐

Balance update

Balance type