



## EMPTYES MANAGEMENT

MANAGE EMPTYES BASED ON ORDER LINES  
IN MICROSOFT DYNAMICS 365 BUSINESS CENTRAL



The  
future  
behind

[www.eos-solutions.it/en/empties-management.html](http://www.eos-solutions.it/en/empties-management.html)



# Empties Management

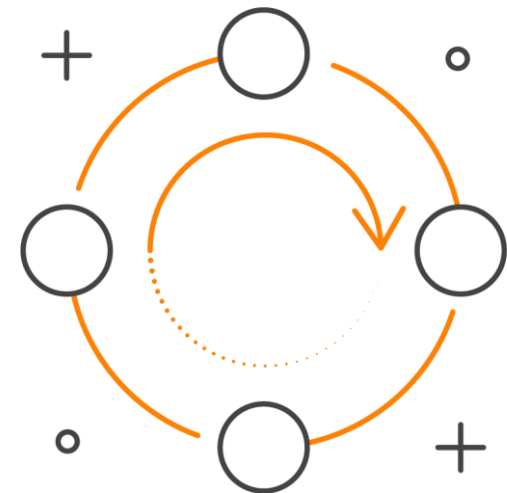
App for Microsoft Dynamics 365 Business Central



DO YOU WANT TO MANAGE EMPTY CONTAINERS IN WAREHOUSE? DO YOU WANT TO KNOW THE EMPTIES BALANCE AT THE CUSTOMER'S SITE? DO YOU NEED TO CHARGE THE EMPTIES TO THE CUSTOMER?

DO YOU WANT THE SYSTEM TO AUTOMATICALLY CALCULATE PACKAGES BASED ON ORDER LINES?

Eos Solutions **Empties Management (EPM)** app allows you to **manage empties (packages/pallets/load carrier) based on order lines** after defining the packaging materials in Microsoft Dynamics 365 Business Central.



## HERE IS A LIST OF THE FEATURES INVOLVED



Tell me what you want to do ↗ ✕

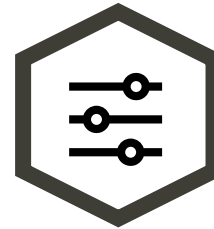
Go to Pages and Tasks

Show less (3)

- > Container Setup (EPM) Administration
- > Container Journal (EPM) Tasks
- > Container Locations (EPM) Administration
- > Empty Balance by Account (EPM) Tasks
- > Container Journal Batches (EPM) Administration

## ALT + Q and EPM

Press ALT + Q and digit "EPM" for a list of the features involved



### Define empty packages

as returnable or not. You have also the possibility to manage the warehouse handling of empties.



### Charge the empties

to clients if necessary



### View empties balance

at the customer's site



### Manage packaging

instructions in order for the system to calculate empties automatically

# SALES ORDER



Sales Order | Work Date: 1/28/2021

1025 · Cannon Group SpA

Process Report Release Posting Prepare Order Request Approval Print/Send Navigate Actions Related Reports Fewer options

### General

No. 1025 Activity Code \* Status Open Reason Code Documents-To Contact No. Commissions Commission Group Salespersons Exclude from Commission

Customer No. 10000 Customer Name Cannon Group SpA Contact Sig. Franco Verdi Operation Occurred Date 1/28/2021 Posting Date 1/28/2021 Order Date 1/28/2021 Requested Delivery Date Operation Type IT-FN-VEN

### Lines

Type	No.	Con...	Description	Variant Code	Location Code	Quantity	Unit of Measure Code	Unit Price Excl. VAT
Item	ART.001	<input type="checkbox"/>	ITEM TEST 001		BLU	4	PZ	20.00
Item	PALLETR01	<input checked="" type="checkbox"/>	PALLET EPAL TO RETURN (A RENDERE)		BLU	4	PZ	
Item	ART.002	<input type="checkbox"/>	ITEM TEST 002		BLU	4	PZ	12.00
Item	PALLETR01	<input checked="" type="checkbox"/>	PALLET EPAL TO RETURN (A RENDERE)		BLU	1	PZ	
Item	DRUM	<input checked="" type="checkbox"/>	DRUM / FUSTO		BLU	4	PZ	

### Details

Characteristic Value (There is nothing to show in this view)

### Handling Units

Status No. ↑ Description (There is nothing to show in this view)

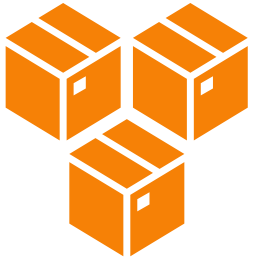
### Containers

Packaging Material No.	Quantity	Unit of Measure Code
PALLETR01	4	PZ
PALLETR01	1	PZ
DRUM	4	PZ

After filling in the fields for one or more items for which the packaging instructions were previously created, on the right there is a factbox that summarizes the empties in the document, calculated by the system based on the item quantity indicated on the lines.

After posting the shipment, the empties are moved to the shipment.

# EMPTYES INVENTORY



Customer Card | Work Date: 10/1/2026

35122112 · Bilabankinn

Process Report New Document Approve Request Approval Prices & Discounts Navigate Customer Actions **Related** Reports Fewer options

Customer History Prices and Discounts Sales Documents Balance Service Bonus Summary (SPB) Advanced text

Dimensions: 35122112

Bank Accounts: Bilabankinn

Direct Debit Mandates: 0.00

Ship-to Addresses: 0.00

Over-/Underdelivery Setup: 0.00

Excise Destination: 0.00

Contact: [Dropdown]

Comments: [Text Area]

Approvals: [Text Area]

Attachments: [Text Area]

Document Layouts: [Text Area]

EDI Values: [Text Area]

VAT Exemptions: [Text Area]

**Empties Balance**

Total Sales	0.00
Costs (LCY)	0.00
Tax Representative Type	[Dropdown]
Tax Representative No.	[Dropdown]
Fixed Establishment For Type	[Dropdown]
Fixed Establishment For No.	[Dropdown]

By clicking on the field, the system shows entries related to the packaging.

From the Customer card, by pressing Related-> Customer-> Empties balance you can see how many, and which empty the selected customer has in stock with him.

From Actions-> Create Invoices it is possible to perform the empty invoicing directly from the page.

Empty Balance by Account (EPM) | Work Date: 10/1/2026

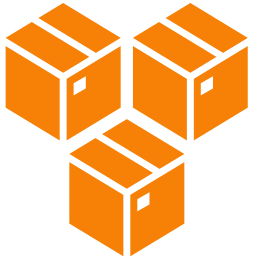
Search + New Edit List Delete Recalculate **Actions** Fewer options

Create Invoice(s)

Account Type: Customer Date Filter: [Text Area]

Account No.: 35122112 By Location: [Toggle]

# SETUP



← Packaging Materials (HUM) | Work Date: 11/5/2027

Search + New Manage More options

No. ↑	Description	HU Type	Unit of Measure Code	Item No.	Usage	Owner
CARTONE	CARTONE	Package	PZ	A0023	One-Way	
EPAL	EPAL	Load Carrier	PZ	70070	One-Way	
HUM21-000150		Load Carrier				
PALLET	PALLET	Load Carrier	PZ			
PALLETSCAR	Pallet a scarico	Load Carrier	PZ	A0023	Reusable	
SCATOLA6	SCATOLA 6 BOTTIGLIE	Package	PZ			

Warehouse

Usage .....

Owner Type .....

Owner No. ....

Item No. ....

Location Code .....

Bin Code .....

No. ↓	Disa...	Description	Priority	Item Category Code	Item No.	Variant Code	Unit of Measure Code	Source Type	Source No.	Source Posting Group	Def...	Packaging Material No.	Load Carrier No.	Handling Units	Packaging Material
→ P121-00010	<input type="checkbox"/>	SCATOLA 6 BOTTIGLIE su Pallet...	0		2000	GIALLO	PZ				<input type="checkbox"/>	SCATOLA6	PALLETSCAR	Both	5
P121-00009	<input type="checkbox"/>	CARTONE su PALLET	0		2000	ROSSO	PZ				<input type="checkbox"/>	CARTONE	PALLET	Both	1
P121-00008	<input type="checkbox"/>	Pallet a scarico	0		1000		PZ				<input checked="" type="checkbox"/>		PALLETSCAR	Both	1
P121-00007	<input checked="" type="checkbox"/>		0		1000		PZ				<input type="checkbox"/>			Both	1
P121-00006	<input type="checkbox"/>	CARTONE su PALLET	0		2001_L		PZ				<input type="checkbox"/>	CARTONE	PALLET	Both	10
P121-00005	<input checked="" type="checkbox"/>	CARTONE	0		2001_L		PZ	Vendor			<input type="checkbox"/>	CARTONE		Both	1,000
P121-00004	<input checked="" type="checkbox"/>	SCATOLA 6 BOTTIGLIE	0				PZ				<input type="checkbox"/>	SCATOLA6		Both	1
P121-00003	<input type="checkbox"/>	EPAL	0		2001	GIALLO	PZ	Customer	10000		<input type="checkbox"/>		EPAL	Both	5
P121-00002	<input type="checkbox"/>	CARTONE	0		1120		PZ				<input type="checkbox"/>	HUM21-0000...		Both	10

On the Packaging Materials (HUM) page, the **HU Types must be defined** and, specifically, you need to choose if they are

**Load carrier:** (eg., pallet): on the load carrier you can load packages with additional boxes inside

**Package:** simple box, which can be connected to other boxes. Then all together they can be loaded onto a load carrier.

For each container it must be defined whether it is a **returnable or a non-returnable item**.

You need to define the packages in detail so that the **system can correctly assign the empties based on the order lines**.



## Empties Management (EPM) App for Microsoft Dynamics 365 Business Central

SUBSCRIPTION

Some features of the Empties Management (EPM) app require a subscription.

The subscription can be activated from Subscription control panel or directly from the notification messages that the system proposes, by clicking on the link that allows you to start the subscription wizard.

Contact us for more info:

[www.eos-solutions.it/en/contact-support.html](http://www.eos-solutions.it/en/contact-support.html)

