

A close-up photograph of a laboratory setting. A hand wearing a blue nitrile glove holds a clear glass vial. A glass pipette is dispensing a blue liquid into the vial. The background is dark and out of focus, with some blue light reflecting off the glass surfaces.

yaveon

Yaveon 365

Research and Development

Recipe Development
in Business Central

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Microsoft
Partner

Do You Regularly Develop **New Products** or **Modify** the **Recipes** of Existing Products?

Do you need to be highly efficient due to strict cost controls and the short time-to-market phase? The Yaveon 365 Research and Development app makes it possible: Research and Development (R&D) is seamlessly integrated into your ERP processes. From purchasing to inventory management as well as recipe and costing right through to sample handling - the app supports you every step of the way. Additionally, you benefit from integrated automatic documentation, which provides research and analysis options such as A/B comparisons of formulation levels throughout the entire product life cycle.

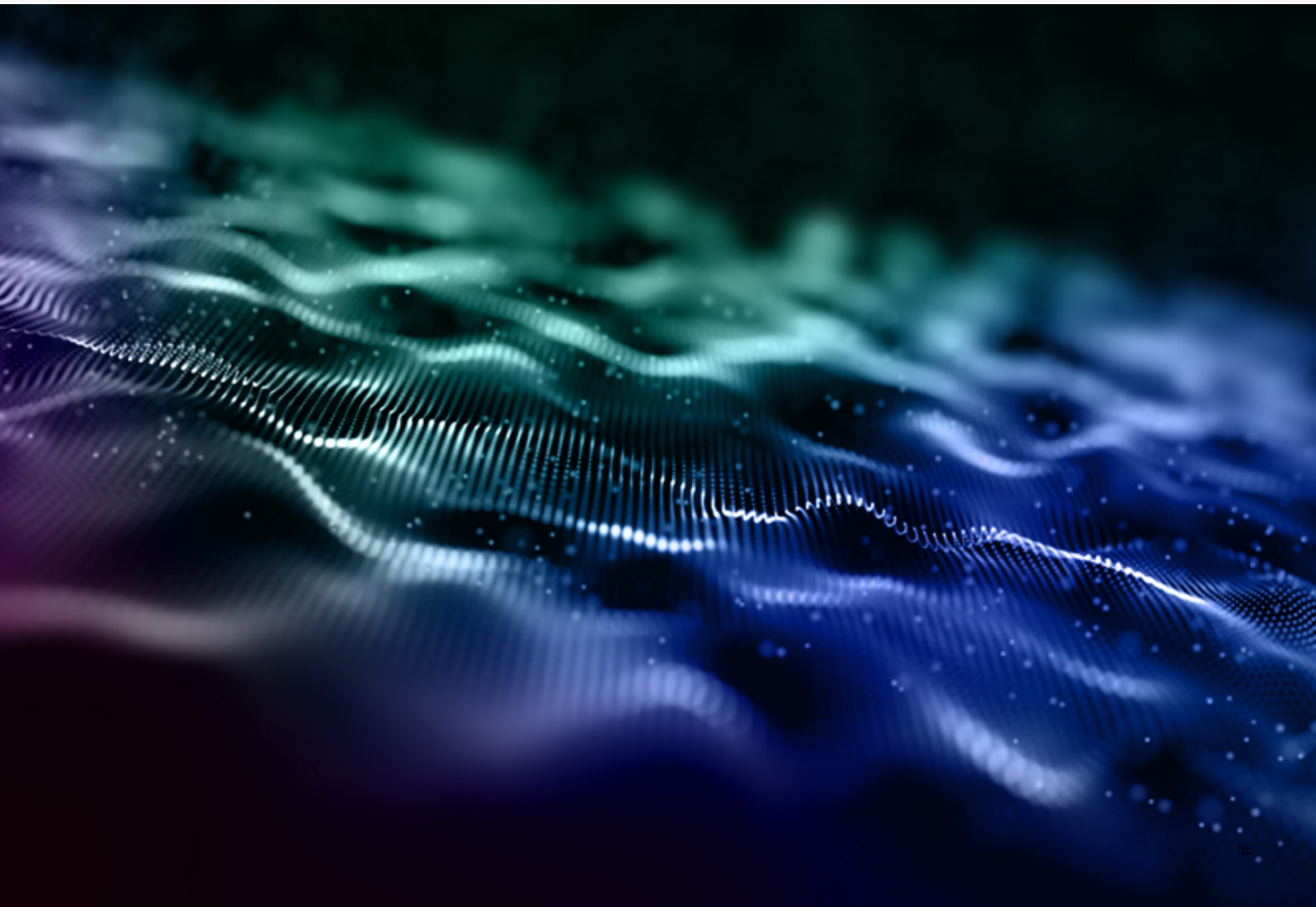
Everything at a Glance.

Product

- Product: ERP
- Basis: Microsoft Dynamics 365 Business Central
- Company size: Small and medium-sized companies
- Industries: Chemicals, pharmaceuticals, biotechnology, cosmetics, food, medical technology

The Three Most Important Advantages:

- Complete process integration: Product development is directly integrated into your existing business processes. This integration reduces workload, uncertainties, and errors.
- Documented product development: Document product development through versioned development recipes and use additional intelligent features to easily and quickly keep track of the recipes.
- Simple cost calculation: In conjunction with the Yaveon 365 Costing app, you can calculate costs and prices with just a few clicks.



How Does This Work Exactly?

The Features.

Develop New Items or Improve Existing Ones

Development recipes are at the heart of product development and also serve as documentation. They include all necessary input materials as well as production steps to create an R&D item. Similarly, they can be used to further develop existing items, for example, such as improving them or making them more affordable. Development recipes simplify development across multiple item stages.

Take the Next Step and Produce Your Item

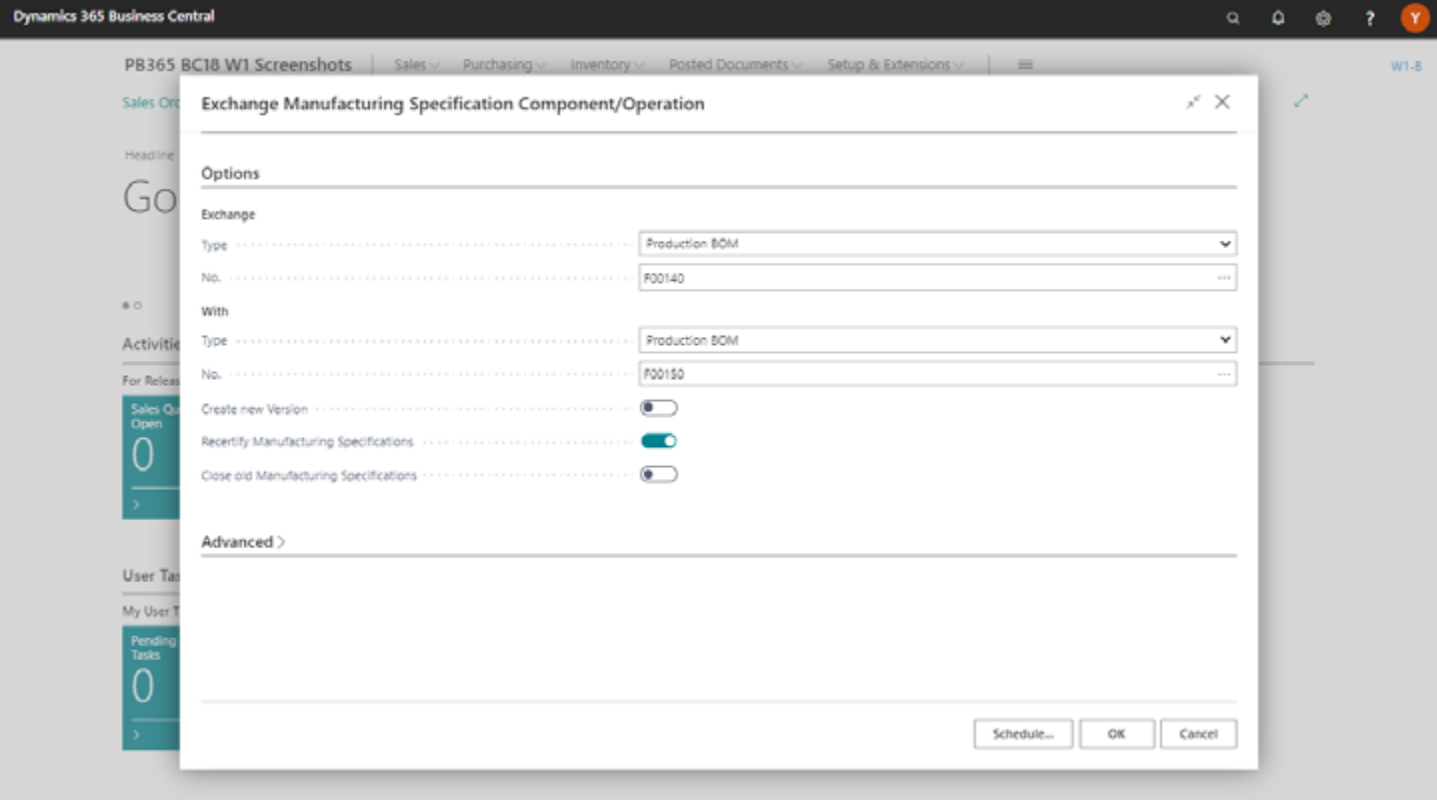
And once you complete the development, convert the recipes and R&D items into master batch records and standard items with just a few clicks. The newly developed items and their manufacturing specifications are then available for regular manufacturing and distribution.

Keep an Overview of Your R&D Items

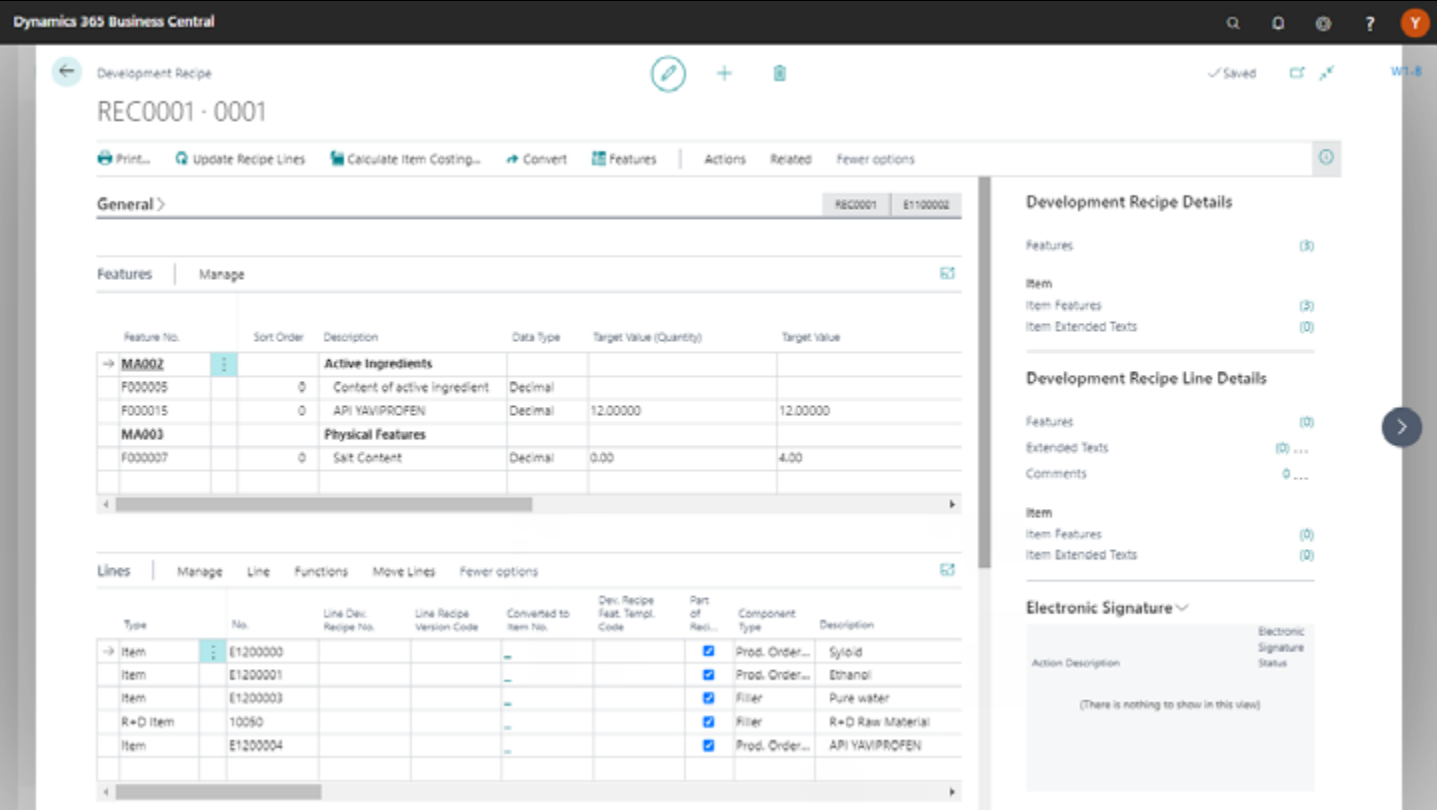
With your own R&D items, you benefit from the freedom that innovative product developers need.

Test series, sample integrations of different suppliers, versioning, and much more are part of your daily routine and require a flexible, uncomplicated, and fast data system. As your operational items are unaffected, you can easily retain an overview and achieve exceptional data quality. The highlight of the development items is that because you use them just like your other items, you're familiar with the process - for more efficiency and reduced workload.

The processing of samples is an essential part of the Research and Development app: Process samples with both customers and suppliers. Use warehouse & logistics processes fully and ensure efficient processing. In addition, you also work with the complete set of familiar features in administration. In combination with Yaveon 365 Quality Assurance, you also ensure the necessary sample qualities.



Exchange Manufacturing Specification Component/Operation



Development Recipe

Stay in **Control** by Comparing Development Recipes and Manufacturing Instructions

Do you have a large number of development formulations and manufacturing specifications? Do you also regularly create new products with minor changes, increasing the number of records in the system? Keep an overview: The Research and Development app offers you the option to compare development recipes with each other or with manufacturing instructions. With this comparison, you can quickly see the differences between two development recipes.

Easily Exchange Components and Raw Materials for the Entire Product Group

Do you regularly replace raw materials or intermediate products to save costs or ensure availability? Do you have entire product families with the same raw materials? Reduce the effort required for such operations by using the batch processing capabilities of the Research and Development app. This allows you to exchange raw materials in hundreds of development recipes or master batch records with just a few clicks.

Dynamics 365 Business Central

Dev. Recipe Comparison

Search Open in Excel

No.	Description	Unit of Measure Code	Dev. Rec. REC0001/0001	Man. Spec. E1100001/0001
Raw Materials - Quantities				
E1200000	Sylold	KG	0.55	0.55
E1200001	Ethanol	L	0.20574	0.20574
E1200003	Pure water	L	0.0625	0.16
10050	R+D Raw Material	KG	0.0625	
E1200004	API YAVIPROFEN	KG	0.015	0.02
Raw Materials - Costs				
E1200000	Sylold	EUR	0	0
E1200001	Ethanol	EUR	0	0
E1200003	Pure water	EUR	0.25	0.48
10050	R+D Raw Material	EUR	0	
E1200004	API YAVIPROFEN	EUR	0.03	0.04
	Total	EUR	0.28	0.52
Features				
MA002	Active Ingredients			
F000005	Content of active ingredient	%		
F000015	API YAVIPROFEN	MG	12.00000	
MA003	Physical Features			

Development Recipe Comparison

Dynamics 365 Business Central

Dev.-Recipes

Search + New Manage Recipe Comparison Recipe Comparison (with Man. Spec.) Open in Excel Actions

No. ↑	Version Code ↑	Item No.	Unit of Meas... Code	Description	Starting Date	Status
REC0001	0001	E1100002	KG	YAVIPROFEN bulk		Certified
REC0002	0001	10051	KG	R+D Finished Product		New
REC0003	0001	10052	ML	YAVIDAY Bulk		Closed
REC0003	0002	10052	ML	YAVIDAY Bulk		Certified
REC0004	0001	10055	PCS	YAVIDAY 50ML		Certified

Development Recipe Details

Features (3)

Item

Item Features (3)

Item Extended Texts (0)

Development Recipe

Determine the **Properties** of Your End Product During Development

The Base app supplements the item master data with extended item characteristics, in which you store characteristic values for individual items or lots. The Research and Development app uses these item characteristics throughout for components and final products in the development recipe. For example, do you want to see how the calorie content of your newly developed candy bar changes when you swap out a raw material? And with one glance? Then simply use a calculated characteristic for your final product and have it calculated based on the characteristic values of the components. A convenient and clear display of these characteristic values is provided in the development recipe.

Quickly and Easily **Calculate** the Costs and Prices of Development Products

Have you developed a new product and your sales department needs to know the price? Do you want to replace one raw material with another and calculate the cost savings? Nothing could be easier, with the Costing app: It allows you to define a costing sheet and costing overheads. Combine this with the component quantities and working hours, which are included in the development recipe. Using a costing function, this master data is multiplied by the item and labor costs from the system to produce the cost or price of the new product. Once set up, costs and prices can be determined with just a few clicks.

Dynamics 365 Business Central

R+D Item

Search + New Manage Advanced Item Card Open in Excel

No.	Description	Manufacturing Item Group Code	Substi... Exist	Production BOM No.	Routing No.
10050	R+D Raw Material	RAW MAT	No		
10051	R+D Finished Product	FINISHED	No		
10052	YAVIDAY	SEMI FINISHED	No		
10053	Grape seed oil	RAW MAT	No		
10054	Emulsifier AX3	RAW MAT	No		
10055	YAVIDAY 50ML	FINISHED	No		
10056	Emulsifier AX4	RAW MAT	No		

Details Attachments (0)

R+D Item Details

Item Features	1
Item Texts	0

R+D-Item

Yaveon 365 Base

Set Up [Traffic Light Rules](#) for Tables

Red, yellow, green - we all know the traffic light principle. In the Base app, the colors make your life easier by acting as a visual reinforcement.

Define traffic light rules that change the colors based on values. For example, you can specify that fully delivered sales orders are indicated in green, while undelivered orders are indicated in red. Select the rules in the list view to highlight records.

You can set up the traffic light rules for the following tables:

- Items
- Vendors
- Customers
- Inventory Summary
- Purchase Lines
- Sales Lines

Set Up [Extended Texts](#)

Whether for master data or purchase and sales documents: Define extended texts for accounts payable, customers, G/L accounts, items, and resources. You want an automatic transfer to purchase and sales documents? No problem. Discover even more benefits by using extended texts in other Yaveon apps, for example, Research and Development, Warehouse Management, Sales & Purchase, and Quality Assurance.

Set Up [Master Data Features](#)

Assign features with a specific value to an item. You can also set up features whose value is calculated via a formula based on the values of other features. Do you want to search for items with specific features? Just use the feature search. You can filter an item list so that only the items that match the criterion are displayed. For even more benefits, combine the function with other Yaveon apps, for example, Quality Assurance and Manufacturing.

Features

Search + New Manage Card Comments Open in Excel More options

No. #	Description	Target Value	Unit of Measure Code	Data Type	Feature Type	Calcul... Feature	Calculation Formula	Rounding Type	Status	Quality Assura...	Transfer to next Level	Next Level Calc. Type	Prods...	Resear... & Devel...
DETEX	detex		GR/10000M	Decimal	MA001	☐		Nearest	Certified	☐	☒	Average	☒	☒
F000001	Labeling	OK		Option	MA017	☐		Nearest	Certified	☒	☐		☐	☐
F000002	Packaging	OK		Option	MA017	☐		Nearest	Certified	☒	☐		☐	☐
F000003	Certificate	ATTACHED		Option	MA017	☐		Nearest	Certified	☒	☐		☐	☐
F000004	Shipping Note	ATTACHED		Option	MA017	☐		Nearest	Certified	☒	☐		☐	☐
F000005	Content of active ingre...	%		Decimal	MA002	☐		Nearest	Certified	☒	☒	Average	☒	☐
F000006	PH-Value	+7.0		Decimal	MA015	☐		Nearest	Certified	☒	☐		☒	☐
F000007	Salt Content	4.00	%	Decimal	MA003	☐		Nearest	Certified	☒	☐		☒	☐
F000008	Methanol	%		Decimal	MA015	☐		Nearest	Certified	☒	☐		☒	☐
F000009	Optical rotation	0.0		Decimal	MA002	☐		Nearest	Certified	☒	☐		☒	☐
F000010	Energy kJ		KJ	Decimal	MA014	☒	F000011 + F00001...	Nearest	Certified	☒	☐		☒	☐
F000011	Fat		GR	Decimal	MA009	☐		Nearest	Certified	☒	☒	Additive	☒	☐
F000012	Sugar		GR	Decimal	MA010	☐		Nearest	Certified	☒	☒	Additive	☒	☐
F000013	Ethanol		GR	Decimal	MA015	☐		Nearest	Certified	☒	☒	Additive	☒	☐
F000014	Colour			Option	MA016	☐		Nearest	Certified	☐	☐		☒	☐
F000015	API YAVIPROFEN		MG	Decimal	MA002	☐		Nearest	Certified	☒	☒	Additive	☒	☐
F000016	Air pressure measurem...		BAR	Decimal	MA020	☐		Nearest	Certified	☒	☐		☒	☐
F000017	Zero Setting		GR	Decimal	MA020	☐		Nearest	Certified	☒	☐		☒	☐
F000018	10g		GR	Decimal	MA020	☐		Nearest	Certified	☒	☐		☒	☐

Features

Inventory Summary

Search Traffic Light Control Product Labels ProBatch Item Tracing Lot No. Info Card Item Ledger Entries Warehouse Entries Open in Excel

Traf... Light	Item No. ▼	Item Description	Lot No.	Serial No.	Location Code	Zone Code	Bin Code	Quantity (Base)	Base Unit of Meas... Code	Load Carrier No.	Load Carr... Type	Status	Date Entry
●	E1200004	API YAVIPROFEN	LOT000081		BERLIN			280	KG			QUARANTINE	16.09
●	E1200004	API YAVIPROFEN	LOT000103		MUNICH	RECEIVE	REC-01	1,500	KG			QUARANTINE	15.12
●	E1200005	Instruction Leaflet	LOT000004		MUNICH	RM	RM-02-02-...	1,000	PCS	PAL000243	EURO	QC	08.09
●	E1200005	Instruction Leaflet	LOT000004		MUNICH	RM	RM-02-02-...	1,000	PCS	PAL000244	EURO	QC	08.09
●	E1200005	Instruction Leaflet	LOT000004		MUNICH	RM	RM-02-02-...	1,000	PCS	PAL000245	EURO	QC	08.09
●	E1200005	Instruction Leaflet	LOT000004		MUNICH	RM	RM-02-02-...	1,000	PCS	PAL000246	EURO	QC	08.09
●	E1200005	Instruction Leaflet	LOT000004		MUNICH	RM	RM-02-02-...	1,000	PCS	PAL000247	EURO	QC	08.09
●	E1200005	Instruction Leaflet	LOT000004		MUNICH	RM	RM-02-02-...	1,000	PCS	PAL000248	EURO	QC	08.09
●	E1200005	Instruction Leaflet	LOT000018		MUNICH	RM	RM-02-02-...	3,000	PCS			QUARANTINE	09.09
●	E1200005	Instruction Leaflet	LOT000054		BERLIN			1,000	PCS			QUARANTINE	16.09
●	E1200005	Instruction Leaflet	LOT000096		MUNICH	RECEIVE	REC-01	50	PCS			QUARANTINE	04.11
●	E1300000	YAVINIGHT 50ml	2020703		MUNICH	SHELF	SH-01-01-02	50	PCS	PAL000205	EURO	RELEASED	01.09
●	E1300000	YAVINIGHT 50ml	LOT-0069		MUNICH	PICK	KO-02-08-01	1,210	PCS			RELEASED	14.09
●	E1300000	YAVINIGHT 50ml	LOT-0072		UTRECHT			6,250	PCS			RELEASED	20.09
●	E1300000	YAVINIGHT 50ml	LOT-0073		BERLIN			3,125	PCS			RELEASED	20.09
●	E1300000	YAVINIGHT 50ml	LOT-0074		BERLIN			1,000	PCS			QUARANTINE	16.09
●	E1300001	YAVI Bears	LOT000021		MUNICH	PICK	KO-02-08-01	39,400	PCS			RELEASED	15.09
●	E1300001	YAVI Bears	LOT000028		UTRECHT			60,000	PCS			RELEASED	15.09

Inventory Summary with Traffic Lights

Set Up a [Corporate Design](#) for Your Documents

Choose the layout that suits your company best and use it for diverse purchase, sales, and stock transfer documents.

Do you need the edited document in another language? No problem. Simply choose from the languages assigned to the labels for fields and columns and add document and field names. With one click, the finished document is ready. To add information, choose which columns and fields to print on the document.

If you don't like the order of the columns, just change them according to your preference. For even more benefits, extend the function for other Yaveon apps, for example, Trade, HazMat Connect, Warehouse Management, Manufacturing, and Lot Management.

Get an [Overview](#) With the Inventory Summary

With the Inventory Summary, you always have an overview of the current inventory - sorted by item, batch, location, and storage space.

Would you like an up-to-date status report of your inventory? You've got it - because all of the information about your inventory is in one place and is automatically updated with every posting. It is your information center for warehouse managers, clerks, and production planners.

For even more benefits, add columns for other Yaveon apps, for example, Lot Management, Warehouse Management, Manufacturing und HazMat Connect.

Extend the [Authorization Management](#) of Microsoft Dynamics 365 Business Central

Do you want to combine permission sets in the system and even be able to exclude certain rights? With Permission Set Management, this is possible.

General

Default Language ENG

Default Date Format ... 304 ...

Example for default d... - 19. May 2021

No copy Data run

Line No divisor for POS -

Proforma Invoice No. - Order No

Report Print Details

Print Logo

Logo alignment in do... - Right

Print Return Address ...

Print Footer

Footer height - maxi... - 0

Print Blanket Sales Or... -

Length of Description - 0

Print Description 2

Print Assembly Comp... -

Print Tracking Inform... -

Print Extended Text... -

Corporate Design Setup

Role ID ↑		Name	
	BASE_ACCESS_TRAINING		Ergänzung zu SuperData
	PB365 LM QP		PB Qualified Person
	PB365 LM QS		PB Quality Supervisor
→	SAL-REP	:	Sales Representative
	YAV-SUPER-DATA		YAVEON Super Data

Assigned Permission Sets Lines | Manage

Assigned Role ID ↑		Restrict Permissions	Scope ↑
	D365 BASIC	☐	System
	D365 SALES DOC, EDIT	☐	System
	D365 SALES DOC, POST	☐	System



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