

DYNAMICS MRP EXPRESS

Dynamics MRP Express is intended as a replacement for the standard 'Calculate Plan' functionality provided by the Requisition and Planning Worksheets in standard Business Central. The intention is to provide a simpler 'engine' for calculating material requirements that will tell you what to Purchase, Manufacture, Assemble, or Transfer without the unhelpful 'noise' and complexity of, cancellations, cancellations/reorder, and reschedule messages. The functionality is not as powerful as the standard offering but does provide the functionality that most organisations need in the real world.

Dynamics MRP Express supports the following standard Business Central material planning fields and does not modify any standard objects.

Functionality support is as follows:

- Source Document supply and demand. (Sales/Purchase/Transfer/Assembly/
- Return Order supply and demand (optional).
- Reordering Policies:
 - Maximum Inventory.
 - Reorder Quantity.
 - Lot-for-Lot Replenishment
 - Order [for-Order] Replenishment
- Multiple Locations.
- Item Card planning fields.
- Stockkeeping Units.
- Multi-level Production BOM and Assembly BOMs explosion/planned demand (Planning Work Sheet Only*)
- Forecasts Demand (optional):
 - Demand [Production] Forecasts
 - Blanket Sales Order
- Purchase Quotes as an optional form of supply.

***Note:** Access to the Production Order functionality requires an appropriate Microsoft Licence over and above access to the Requisition Worksheet.

1. Setup

Dynamics MRP Express has two permission sets; Dynamics MRP Express - View and Dynamics MRP Express - Setup. The Dynamics MRP Express - View is also added to the D365 Basic permission set so that it will work for all users with that permission set.

← Permission Sets

MRP

+ New Edit List Delete Permissions Copy Permission Set...

Permission Set ↑	Name	Type ↑	Extension Name
→ DC1DMR DYN MRP-...	Dynamics MRP Express - ...	System	AL.DynamicsMRPEXpress
DC1DMR DYN MRP-...	Dynamics MRP Express - ...	System	AL.DynamicsMRPEXpress

2. Features

Dynamics MRP Express adds the following features to Business Central:

- Simpler "Calculate Plan" Logic on the Requisition & Planning Worksheets
- No cancellation or reschedule messages.
- Enhances information on the worksheets to improve planner confidence and trust in what the system is telling them.

3. Setup

To turn on the Dynamics MRP Express functionality, please go to the Dynamic Feature Management (using the Business Central Search) and check the Enabled checkbox.

← Dynamics Feature Management

MRP

Edit List Related Setup Related Automate Fewer options

Feature ↑	Enabled	Extension Name	Expiry Warning Date	Expiry Date
→ Dynamics MRP Express	<input checked="" type="checkbox"/>	AL.DynamicsMRPEXpress		

From this page, you can also click on the Related Setup action here to open the Dynamics MRP Express Setup page (can also be opened using the Business Central Search).

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✎
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+
🗑
✓ Saved
🔍
📄
🔗

Dynamics MRP Express Setup

Schedule with Job Queue | [More options](#)

General

Item Card Location Code <input type="text"/>	Final Replenishment Position <input type="text" value="At Reorder Quantity/Maximum Inventory"/>
Highest Low-Level Code <input type="text" value="2"/>	Default Purchase Quote Vendor No. <input type="text"/>
Calc. Prod. & Assy. Sub-Assembly.... <input type="checkbox"/>	Only Populate PQ Vendor if Vend... <input type="checkbox"/>
Include Purchase Quote Supply <input type="checkbox"/>	Default Separate Quote Per Item <input type="checkbox"/>
Include Purchase Return Order De... <input type="checkbox"/>	Current Demand Forecast <input type="text" value="-"/>
Include Sales Return Order Supply <input type="checkbox"/>	Include Demand Forecast <input type="checkbox"/>
Include Sales Blanket Order Dema... <input type="checkbox"/>	Exclude Forecast Before <input type="text"/>
Include Project Planning Line Neg... <input type="checkbox"/>	Exclude Fully Reserved Demand fr... <input type="checkbox"/>
Include Service Line Credit Supply <input type="checkbox"/>	Set Due Date to Today if Demand ... <input type="checkbox"/>
Include Production Consumption ... <input type="checkbox"/>	

Job Queue

Job Queue End Date Formula <input type="text"/>	Job Queue Journal Batch Name <input type="text"/>
Job Queue Worksheet Template N... <input type="text"/>	

Simply populate the 'Item Card Location Code' field with your primary Location set the other options as required and then go to the Planning or Requisition Worksheet pages and select "Calculate Plan (MRP Express)".

←
Planning Worksheets

Name	DEFAULT
End Date	31/12/2099
Exclude Forecast Before	01/01/2027
Production Forecast	<input type="text"/>

🔍
📄
Manage
Home
Prepare
Line
Item Availability by
Actions
Automate
Fewer options

🗑 Carry Out Action Message...
🔄 Refresh Planning Line...
📄 Reserve
📄 Calculate Plan (MRP Express)...
📄 Set Accept Action Message
🗑 Clear Accept Action Message

Filters ✕

Filter list by...

Filter totals by:

× Date Filter

× Forecast Date Filter

Warning	Original Due Date	Due Date	Starting Date-Time	Ending Date-Time	Description	Transfer-from Code	Location Code
		02/01/2027	21/12/2026 10:50	31/12/2026 16:00	AutoDrip		SILVER
		21/12/2026	14/12/2026 10:40	18/12/2026 16:00	Reservoir Assembly		SILVER
		21/12/2026	20/12/2026 08:00	20/12/2026 23:00	Coffee filter basket		SILVER
		21/12/2026	20/12/2026 08:00	20/12/2026 23:00	Foot, adjustable, rubber		SILVER
		21/12/2026	20/12/2026 08:00	20/12/2026 23:00	Circuit board		SILVER
		21/12/2026	20/12/2026 08:00	20/12/2026 23:00	Power cord		SILVER