



MANUFACTURING PLANNING

SCHEDULE OPERATIONS FOR WORK / MACHINE CENTERS
IN MICROSOFT DYNAMICS 365 BUSINESS CENTRAL



The
future
behind

www.eos-solutions.it/en/manufacturing-planning.html



Manufacturing planning

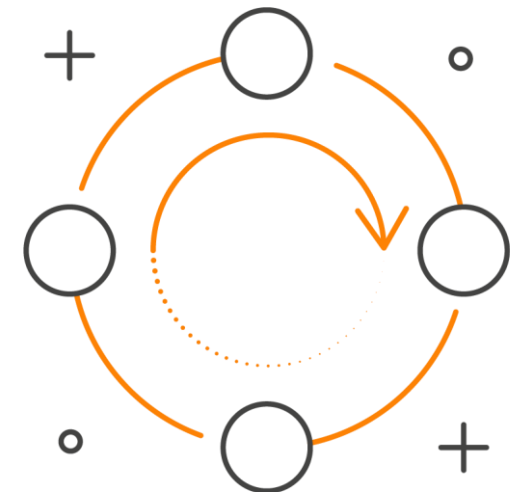
App for Microsoft Dynamics 365 Business Central



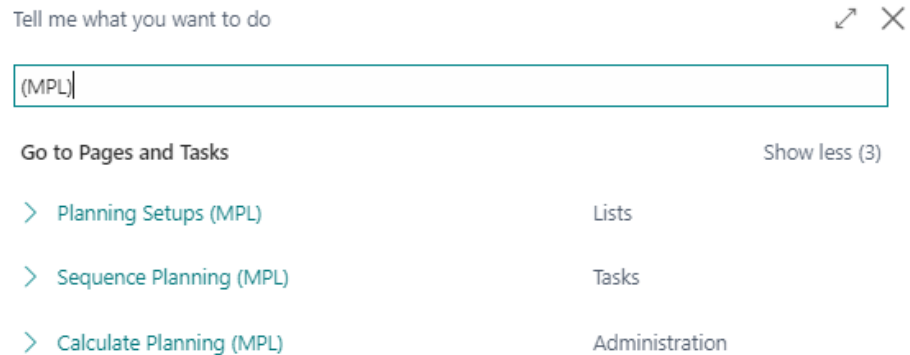
DO YOU WANT TO SEQUENCE OPERATIONS RELATED TO A WORK CENTER OR MACHINE CENTER? DO YOU WANT TO SCHEDULE MPS AND MRP TO RUN?

DO YOU WANT TO MONITOR THE AVAILABILITY OF MATERIALS IN REAL TIME?

The **Manufacturing planning** app shows **all operations of a Work Center or Machine Center** and allows the **sequencing** of the single operations in Microsoft Dynamics 365 Business Central.

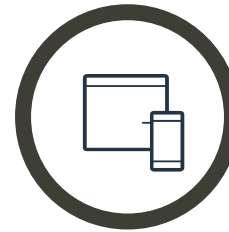


Here is a list of the features involved



ALT + Q and MPL

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



Set parameters

for sequencing all operations of a Work Center or Machine



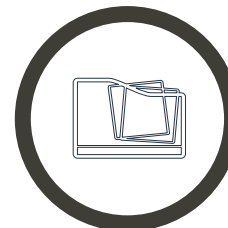
Execute

the MPS (Master Production Schedule) and MRP (Manufacturing Resource Planning) planning with Job queue



Calculate and monitor

the material availability



Split

the planning result to dedicated planning worksheets

Sequence planning - Setup

Sequence Planning

Load

General

Filter Type: Work Center By Work Center:

Filter No.: 100 Show Released:

Filters

Item Filter: Variant Filter: Prod. Order Filter: Sales Order Filter: Date Filter: Material Status Filter:

Planning Sequence No. T	Material Status	Quantity	Finished Quantity	Remaining Quantity	Sales Order No.	Sell-to Customer No.	Sell-to Customer Name	Operation No.	Type	No.	Starting Date-Time	Ending Date-Time	Routing Status
	Available	50	27	23				10	Work Center	100	1/25/2022 12:50 ...	1/26/2022 12:04 ...	Finished
	Available	5	5	0				10	Work Center	100	1/28/2022 9:00 AM	1/28/2022 11:50 ...	Planned
	Available	2	0	2				10	Work Center	100	2/28/2022 8:00 AM	2/28/2022 10:14 ...	Planned
	Available	1,600	1,600	0	1039	01445544	Progressive Home Furnishings	10	Work Center	100	4/11/2022 3:43 PM	6/7/2022 9:33 AM	In Progress
	Available	1	0	1				10	Work Center	100	5/19/2022 2:55 PM	5/19/2022 3:25 PM	Planned
	Partial Available	700	0	700	1040	01121212	Spotsmeyer's Furnishings	10	Work Center	100	9/7/2022 8:43 AM	9/30/2022 2:33 PM	Planned
	Partial Available	10	0	10				10	Work Center	100	12/28/2022 11:47 ...	12/28/2022 3:17 ...	Planned
	Partial Available	10	0	10	1038	10000	Cannon Group SpA	10	Work Center	100	12/28/2022 2:55 ...	12/29/2022 10:45 ...	Planned
	Available	10	0	10				10	Work Center	100	12/29/2022 9:40 ...	12/29/2022 1:30 ...	In Progress
	Available	10	3	7				10	Work Center	100	12/29/2022 12:25 ...	12/30/2022 8:15 ...	In Progress

Pressing **Load** you can view the availability of the machine or work center, including its capacity, the allocated quantity, availability after orders and the load in percent of its total capacity.

You can **integrate the Purchase Blanket Orders** into your planning result, when you convert the planning suggestion into a purchase order, then the contract references are also transferred to the purchase order.

On the Blanket Purchase Order, you can set the following information:

Each operation can be **monitored by its Routing Status** (Planned, In Progress, Finished).

You can give each operation a production sequence number.

This can be done manually or by replanning the operations.

- Due Date: until the contract is valid
- Contract No.: number of the contract established between you and the vendor
- Contract Status: only "Active" contracts are considered in the planning results

Calculate and Split

Planning Setup Card

Actions Related

General

Code MRP Scheduled

Description MRP - Material Requirement Plan Schedule Sequence 1

Planning

Worksheet Template ... PLANIFIC Starting Date Formula ... CW-6D

Journal Batch Name ... MRP Ending Date Formula ... 6M

Delete Worksheet Lines Use Forecast 2022

MPS Exclude Forecast Before ... CW+1D

MRP Respect Param. on Ex...

Action Message

Planning Worksheet T... Work Center Filter

Planning Worksheet Requisition Filter

Item Filter

Calculation

You define a **Planning Setup** either for the planning calculation or for the split of the planning result.

In both cases you must define a specific Worksheet.

SPLIT-010

Actions Related

General

Code SPLIT-010 Scheduled

Description Split Planned Production Orders S Schedule Sequence 10

Planning

Worksheet Template ... PLANNING Starting Date Formula ...

Journal Batch Name ... MRP Ending Date Formula ... CW

Delete Worksheet Lines Use Forecast

MPS Exclude Forecast Before ...

MRP Respect Param. on Ex...

Action Message

Planning Worksheet T... PLANNING Work Center Filter

Planning Worksheet ... MFG-ST Requisition Filter WHERE(Field99000903=1(...

Item Filter

Split

To split the planning result into another worksheet, you must **define the worksheet where the results come from, and the worksheet where the results should be transferred to.**

Calculate Planning

Options

Calc. Material Status

Filter: EOS086 Planning Setup

Code

+ Filter...

Advanced >

Schedule... OK Cancel

Material Status

On the Calculate Planning batch (Actions->Calculate Planning) you can specify to calculate also the Material Status.

Manufacturing planning

App for Microsoft Dynamics 365 Business Central

SUBSCRIPTION

Some features of the Manufacturing Planning 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

