

A man in a blue hairnet and a brown and beige work jacket is looking at a tablet in a warehouse. He is standing in front of orange metal shelving units filled with cardboard boxes. The background is slightly blurred, showing more of the warehouse environment.

MANUFACTURING EXECUTION SYSTEM

INSERT QUANTITIES PRODUCED AND THE TIMES USED, DIRECTLY FROM WORKSTATIONS
IN MICROSOFT DYNAMICS 365 BUSINESS CENTRAL



The
future
behind

www.eos-solutions.it/en/manufacturing-execution-system.html



Manufacturing Execution System

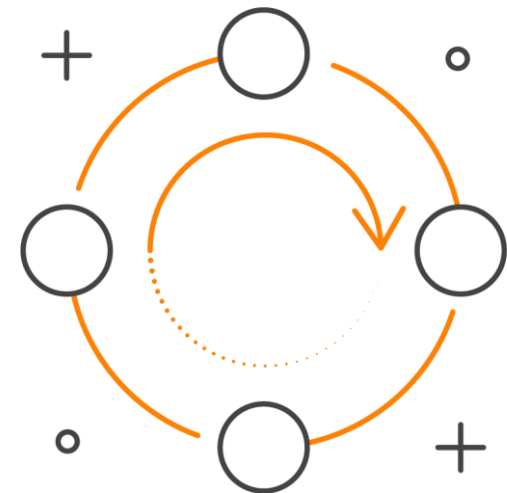
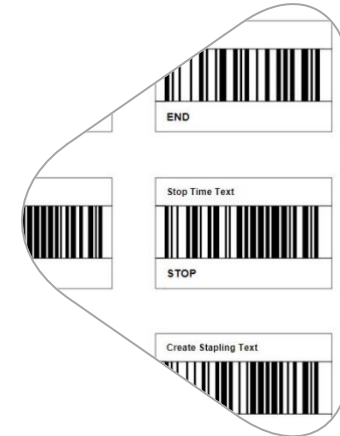
App for Microsoft Dynamics 365 Business Central



DO YOU NEED TO INSERT INTO THE SYSTEM THE QUANTITIES PRODUCED AND THE TIMES USED, DIRECTLY FROM WORKSTATIONS IN THE DEPARTMENT?

DO YOU WANT TO ENTER INFORMATION USING A BARCODE SCANNER? DO YOU NEED TO OPEN AND USE THE APP FROM A TABLET OR PHONE?

The **Manufacturing Execution System (MES)** app allows the **insertion into the system of the quantities produced and the times used**, directly from workstations in the department in Microsoft Dynamics 365 Business Central.



HERE IS A LIST OF THE FEATURES INVOLVED



Tell me what you want to do



(mes)

Go to Pages and Tasks

Show all (50)

> MES Setup (MES)

Tasks

> Employee Entries (MES)

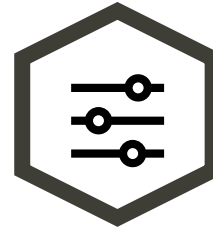
Lists

> Production Progress (MES)

Administration

ALT + Q and MES

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



Enter the codes

of the various operations to be performed so that the system can recognize them



Insert the information

manually or simply using a barcode reader



Enter the quantities produced

and the times used,
directly from the workstation



Print

reason barcodes, badge barcodes and the
job card with barcode in the header



BARCODE READING

Production Progress (MES) | Work Date: 11/5/2027

Reading Barcode

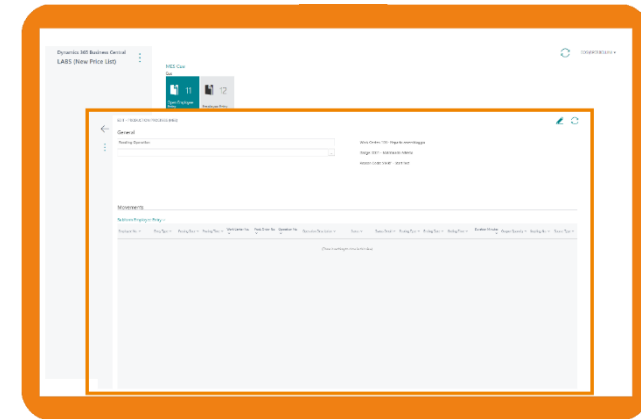
Reset Change Badge Select Production Lines

General

Reading Reason Code **3** **1** Work Center: 100 - Reparto assemblaggio
Badge: AMG - Maldonado Alfredo **2**

Reason Codes | 🔍 + New Edit List

Code ↑	Description	Am... Exp... to EDoc.	DocFinance Document Type	DocFinance Reason Code	Postir Policy
-		<input type="checkbox"/>			
+CLIP	Add Stapling Text	<input type="checkbox"/>			
CLIP	Create Stapling Text	<input type="checkbox"/>			
-CLIP	Remove Stapling Text	<input type="checkbox"/>			
END	End Text	<input type="checkbox"/>			
OUT	Output Text	<input type="checkbox"/>			
RINCOL	Start Rework Text	<input type="checkbox"/>			
SETUP	Setup Text	<input type="checkbox"/>			
START	Start Text	<input type="checkbox"/>			
→ STOP	Stop Time Text	<input type="checkbox"/>			



You need to **enter (manually or with a barcode reader)**:

- Work Center: eg. 100 (assembly department)
- Employee Badge: e.g., A001 (the badge of the person who is performing the operations)
- Reason: insert a code for the opening / closing / stapling phase among those set in setup (e.g., START)
- Operation: fill in the operation to be performed by indicating order.line.operation (e.g., 1011004.10000.10)



SETUP

MES Setup (MES)

Print Employee Badge | Print Barcode Reason | Load Default

General

Post Consumption | Output Unit of Measure: MINUTI
Execute Posting | Stapling Nos.: CLIP
Show Barcode in Prod... | Separator: .
Revert Seq. for Setup/... | Barcode Type: Code128

Texts

Start

Start Text: START
Start Rework: RINCOL
End Text: END
Setup Text: SETUP
Stop Time Text: STOP
Output Text: OUT

Stapling

Create Stapling Text: CLIP
Add Stapling Text: +CLIP
Remove Stapling Text: -CLIP

In the event that the "Execute Posting" option has not been chosen on the setup page, the user will have to post the output manually on the Output Journals page.

Output Journals | Work Date: 11/5/2027

Batch Name: AMG

Manage | Process | **Post/Print** | Line | Prod. Order | Open in Excel | More options

Posting Date	Order No.	Document No.	Item No.	Operation No.	Order Line No.	Type	No.	Description	Location Code	Setup Time	Run Time	Cap. Unit of Measure Code	Unit Cost	Output Quantity	Scrap Quantity	Unit of Measure Code	Qty. In Liter
→ 11/5/2027	101152	101152	1000	50	10000	Work Center	100	Reparto assemblaggio		0	4.289	MINUTI	23.00	0	0	PZ	0



PRINT

Start Text
START

End Text
END

Setup Text
SETUP

Stop Time Text
STOP

Output Text
OUT

Create Stapling Text
CLIP

Add Stapling Text
+CLIP

Remove Stapling Text
-CLIP

Released Production Order | Work Date: 11/5/2027

101152 · Bicicletta

Process Order Actions Related Reports Fewer options

Functions Product Quality Assurance Warehouse Print Job Card... Mat. Requisition... Shortage List...

No. 101152
Description Bicicletta
Description 2
Source Type Item
Source No. 1000

Lines Manage More options

Item No.	Variant Code	Due
→ 1000	:	11/5

Prod. Order - Job Card October 4, 2021 Page 1

Production Order/Status Released No: 101152
Prod. Order No: 101152 Bicicletta Starting Time 8:22:43 AM
Routing No: 1000 Starting Date 11/04/26
Item No: 1000 Bicicletta Ending Time 12:52:43
Ending Date 11/04/26

Operation No: 20
Type Machine Center
No: 120

Precalc. Times Output
Time Needed 210 MINUTI Output Scrap Date By

Material Requirements

Position	Position 2	Lead-Time Offset	Item No.	Expected Quantity
			1120	500

The MES Manufacturing Execution System app provides the user with **3 types of printings**:

- from "Print Barcode Reason" it is possible to print barcodes for reasons
- and for employees' badges
- from the Released Production Order, you can print the Job card in which the barcode is visible if set on the setup
- from the Released Production Order list you can print the Prod. Order Detailed Calculation report

MES Manufacturing Execution System (MES) App for Microsoft Dynamics 365 Business Central

SUBSCRIPTION

Some features of the MES Manufacturing Execution System (MES) 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

