



**COSMO Mobile Solution**  
**Real-Time Barcode Scanning**  
**and Label Printing for**  
**Microsoft Dynamics 365**  
**Business Central**



## Highlights

- Seamless real-time integration with Microsoft Dynamics 365 Business Central for efficient transaction processing and master data management
- Designed for Android-based devices including barcode scanners, tablets, and smartphones
- Optimized for barcode scanning, with compatibility across a wide range of device brands
- Extended barcode scanning features for improved accuracy and speed
- A flexible framework that enhances operational efficiency and reduces manual errors
- Predefined configuration packages for a quick and simplified setup
- Highly configurable to meet diverse business requirements
- Advanced printing capabilities integrated into the mobile interface

## COSMO Mobile Solution

COSMO Mobile Solution offers you a robust, highly flexible, mobile connection to Microsoft Dynamics 365 Business Central and combines powerful features in an intuitive interface. A simple configuration interface in the backend allows you to customize the layout and processes - from ready-to-use packages to tailor-made workflows. Thanks to the real-time connection to Business Central, you always have access to the latest data.

Equipped with barcode scanning, label printing, and dynamic user settings, the solution simplifies everyday activities and increases productivity. It enables easy export and import of configuration settings, facilitating rapid deployment in different environments.

For demanding logistics processes, advanced barcode scanning functions (including QR and GS1 codes), and extensive printing options for reports and labels are available. The solution is device-independent and supports tablets, handhelds, and scanners from well-known manufacturers (e.g., Zebra, Datalogic, Honeywell, Keyence, Newland), ensuring real-time data flow and reducing processing delays and errors.

The user interface is available in six languages: English, French, German, Hungarian, Spanish, and Swedish.

## Real-Time Connectivity and Android-Based Functionality

The application accesses Microsoft Dynamics 365 Business Central directly. User master data is accessed directly and transactions—such as picking orders—are executed directly. Entries are processed immediately. The mobile application accesses the latest data of Business Central.

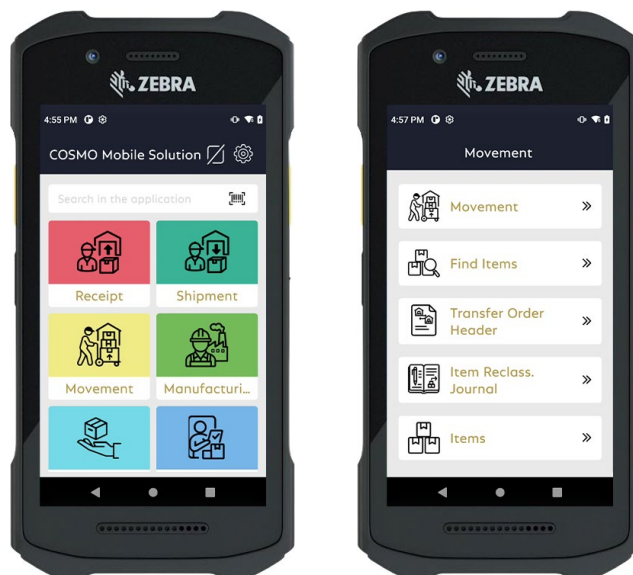


Fig. 1: COSMO Mobile Solution - Role Center

## Compatibility

### Microsoft Dynamics 365 Business Central:

- Deployment: On-Premises or SaaS
- License Types:
  - Device
  - Essentials
  - Premium

### Supported Android Devices:

- Smartphones
- Tablets
- Barcode Scanners (e.a.: Datalogic, Honeywell, Keyence, Newland, Zebra)

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## An Extendable Framework

COSMO Mobile Solution is built as an extendable framework, currently optimized for warehouse and manufacturing operations. Its modular design allows easy adaptation and extension to additional areas within Business Central.

### The standard configuration package includes:

- Sales & Purchase Orders
- Receipts & Put-Aways
- Shipments & Picks
- Inventory Management & Item Data
- Item Journals & Physical Inventory
- Item Tracking (Lots, Serials, Packages)
- Warehouse Movements & Transfer Orders
- Manufacturing Data (Routings, BOMs, Machines, Work Centers)
- Manufacturing Processes (Production Orders, Consumption, Output Posting)

Additional packages are available to enable selected functionality as needed.

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## Highly Configurable Solution

Business processes and user interfaces can be tailored with ease, making adjustments simple and efficient.

### Key configuration features:

- Define custom roles tailored to specific tasks
- Show or hide fields based on relevance or role
- Adjust the order of fields to match workflow priorities
- Create conditional messages to control user actions
- Design custom processes for optimized workflows
- Trigger automatic actions based on predefined conditions
- Change field labels for clarity and localization
- Apply custom filters to refine data views
- Upload and display images
- Configure the signature feature

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## Advanced Printing Capabilities

COSMO Mobile Solution is also compatible with a wide range of printers, including Bluetooth-enabled devices and network printers—such as those configured in Microsoft Dynamics 365 Business Central.

Once a suitable printer is selected, both label and document printing can be easily configured using customizable filters, conditions, and language codes. This flexibility ensures seamless integration into existing printing workflows and supports multilingual, role-specific output.

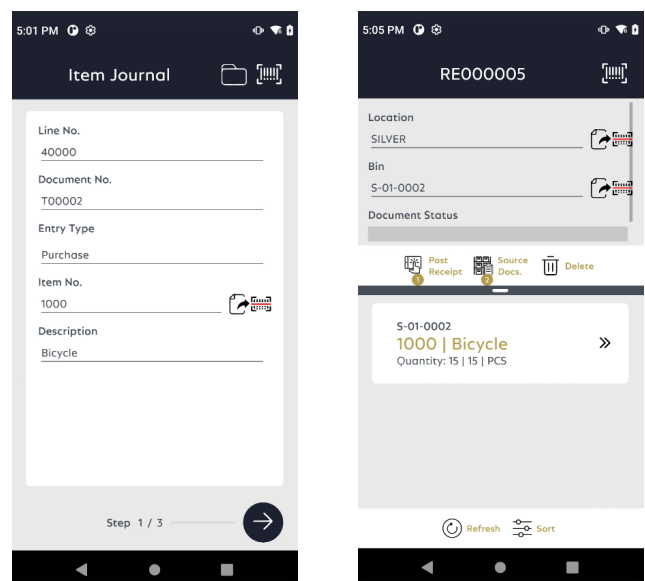


Fig. 2: COSMO Mobile Solution - Item journal/ warehouse receipt

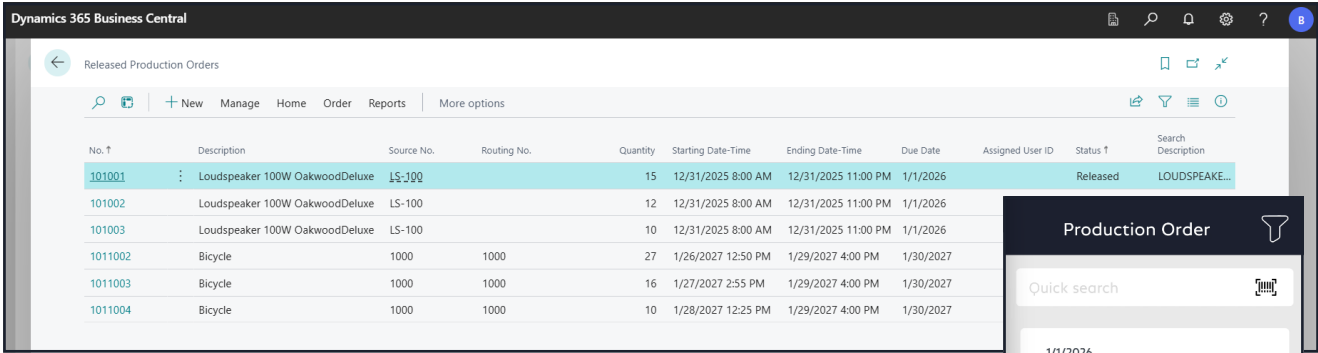
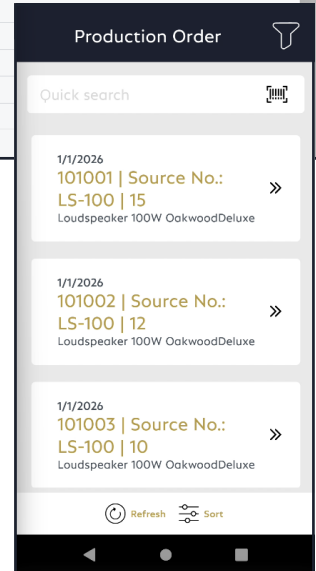


Fig. 3: COSMO Mobile Solution - Production orders      ↑ Web client layout  
 Application layout →

## Advanced Barcode Configuration

COSMO Mobile Solution offers extensive configuration options for barcode handling, supporting both single-value and multi-value (complex) barcodes. This flexibility ensures seamless scanning of various barcode formats across different use cases.

The solution enables quick validation of required data fields using built-in device scanners, cameras, or external barcode readers. This streamlined approach enhances accuracy and allows users to continue their workflows without interruption, improving overall process efficiency.



### At a glance

The COSMO Mobile Solution bundles all central warehouse and manufacturing processes from Microsoft Dynamics 365 Business Central into a single, ready-to-use app. Thanks to preconfigured packages for basic configuration, manufacturing, physical inventory, adjustment, and movement, users can choose exactly the functionality they need—from classic goods receipt to optimized inventory counting via handheld device. The real-time connection to Business Central guarantees end-to-end transparency, while specialized processes for barcode scanners speed up workflow and minimize error rates. This not only digitizes your logistics and manufacturing control, but also makes it noticeably more efficient and flexible.

