



FlowSync

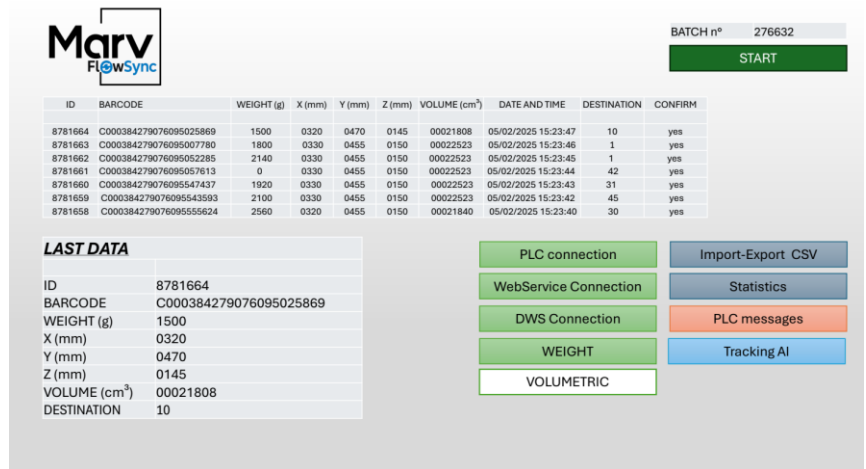
The modular platform for smart line control



The Brain Behind Your DWS System

MARV FlowSync is the all-in-one system that combines supervision, automation, and production management in a single, scalable solution.

With its three modular packages – Core, Move, and Plan – you can start with basic line monitoring and gradually grow to full integration with your enterprise management systems. From shop floor to cloud, FlowSync guides your business toward the smart factory.



The screenshot displays the Marv FlowSync interface. At the top left is the Marv FlowSync logo. On the top right, there is a 'BATCH n°' field with the value '276632' and a green 'START' button. Below this is a table with the following columns: ID, BARCODE, WEIGHT (g), X (mm), Y (mm), Z (mm), VOLUME (cm³), DATE AND TIME, DESTINATION, and CONFIRM. The table contains several rows of data. Below the table is a 'LAST DATA' section with a table showing the most recent data point. To the right of the 'LAST DATA' table are several buttons: 'PLC connection', 'WebService Connection', 'DWS Connection', 'WEIGHT', 'VOLUMETRIC', 'Import-Export CSV', 'Statistics', 'PLC messages', and 'Tracking AI'.

ID	BARCODE	WEIGHT (g)	X (mm)	Y (mm)	Z (mm)	VOLUME (cm ³)	DATE AND TIME	DESTINATION	CONFIRM
8781664	C000384279076095025869	1500	0320	0470	0145	00021808	05/02/2025 15:23:47	10	yes
8781663	C000384279076095007780	1800	0330	0455	0150	00022523	05/02/2025 15:23:46	1	yes
8781662	C000384279076095052285	2140	0330	0455	0150	00022523	05/02/2025 15:23:45	1	yes
8781661	C000384279076095057813	0	0330	0455	0150	00022523	05/02/2025 15:23:44	42	yes
8781660	C000384279076095547437	1920	0330	0455	0150	00022523	05/02/2025 15:23:43	31	yes
8781659	C000384279076095543583	2100	0330	0455	0150	00022523	05/02/2025 15:23:42	45	yes
8781658	C000384279076095555624	2560	0320	0455	0150	00021840	05/02/2025 15:23:40	30	yes

LAST DATA	
ID	8781664
BARCODE	C000384279076095025869
WEIGHT (g)	1500
X (mm)	0320
Y (mm)	0470
Z (mm)	0145
VOLUME (cm ³)	00021808
DESTINATION	10

Core Functions and Capabilities

•Parcel ID Assignment

Automatically assigns a unique ID to each parcel as it passes through the DWS tunnel.

•Full Data Matching

Links the parcel ID with all associated data:

- ✓ Scanned barcodes
- ✓ Volumetric measurements
- ✓ Dynamic weight readings

•Sorter Integration & Routing

When connected to a sorter system, FlowSync manages **destination assignment** and provides **real-time confirmation of successful sorting**.

•Image Capture & Storage

Saves images captured by the DWS tunnel, enabling visual traceability and proof of condition.

•Flexible Data Exchange

- Full integration with customer systems via **web services (WMS/ERP)**
- Offline mode supported through **CSV import/export**, ensuring continuous operation even without a live network connection.

•PLC Message Handling

Monitors and displays all messages received from the main system's **PLC software**, providing visibility into machine status, errors, and system events.

MARV FlowSync

Connecting your operations – from factory floor to digital management

FlowSync Packages

◆ FlowSync Core

Function: Technical supervision (SCADA)

- Real-time monitoring of the machine.
- Visualization of alarms, speed, and issues.
- Event history and operation logs.
- Simple, user-friendly HMI interface.
- Direct communication with the PLC (Profinet / EtherCAT / TCP-IP).

 **Ideal for: companies looking to start digitalizing their line control.**

◆ FlowSync Move

Function: Operational control (WCS)

- Includes all features of FlowSync Core.
- Management of logistics devices (scanners, scales, volumetric systems).
- Advanced communication with the PLC for object routing.
- Integration with web services for operational data exchange.
- Tracking of processing outcomes.

 **Ideal for: companies aiming to automate internal material handling and logistics.**

◆ FlowSync PlanFunction:

Production management (MES)

- Includes all features of FlowSync Move.
- Management of work plans: creation, modification, and history.
- Complete integration with the customer's IT systems (ERP/MES web services).
- Automatic sending of production data and traceability information.
- Advanced performance analysis.


 **Ideal for: companies seeking to integrate production, quality, and traceability with enterprise systems.**



***"Streamline Your Logistics with Our Innovative Software
Take Total Control of Your Data and Production Plans"***


 **Contact us today** to discover how **MARV FlowSync** can transform your operations and bring real-time intelligence to your logistics!

MARV srl

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Let's automate your logistics – smarter, faster, and more accurately!