

SOFTWARE INDUSTRIAL

EpelSoft MIX

Formulation, dosing and automatic weighing

Multi-product batching
Bulk weighing
Various connection options depending on weighing
Adaptability with different EPELSA indicators
Time optimisation

Software
EpelSoft MIX

CERTIFIED





Logiciels industriels

EpelSoft MIX



EpelSoft MIX

EpelSoft MIX is an industrial software developed by Epelsa Group to automate and control formulation and dosing processes in environments where weighing is a critical factor.

It is designed to manage from simple tasks to complex operations with multiple products, making it an essential tool in production lines that require accuracy, efficiency and traceability.

Thanks to its versatility, EpelSoft MIX adapts to different industrial sectors, such as food, chemical, pharmaceutical or even laboratory applications. It is designed to control dosing equipment, hoppers, valves, relays and scales, either from a PC or directly from EPELSA industrial indicators, such as the CT-12, Orion or Cyber.

With EpelSoft MIX it is possible:

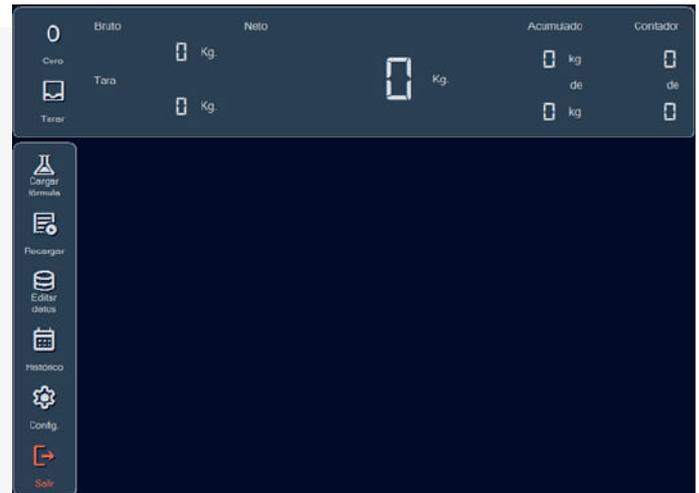
- » Automate the process of loading products into a hopper.
- » Make formulations with multiple ingredients.
- » Record each weighing and batch, improving traceability.
- » Integrate dosing into larger systems with relay control.
- » Perform actions such as activation of motors, conveyor belts, gates or valves depending on the weight reached.



Formula sheet



Ingredients tab



Main screen

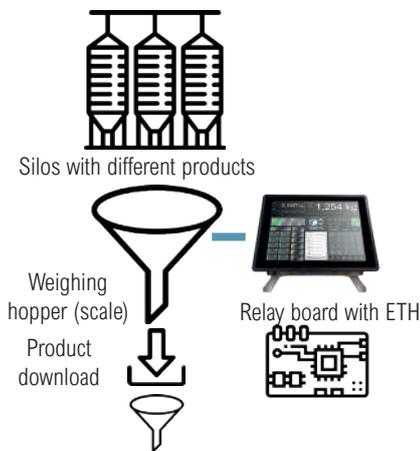
Main features

- » **Sequential automation of the process:** It allows steps to be programmed in the desired order: loading, unloading, waiting, relay activation, etc., which facilitates automated or semi-manual processes.
- » **Adaptability to different working modes:** From simple formulations to complex mixtures with multiple products, EpelSoft MIX adapts to the specific needs of each customer.
- » **Operation from different devices:** It can be run from a PC (Windows) or Epelsa's industrial viewers (CT-12, Orion, Cyber), allowing local or remote control.
- » **Integration of control hardware:** Connection with relay boards that allow the control of solenoid valves, motors, gates and other elements of the production process.
- » **Compatibility with different types of weighing:** Cycle weighing (cyclical), subtractive weighing (by emptying), or additive weighing (cumulative), adapting to each process or installation.
- » **Complete traceability:** Records each operation, allowing precise tracking of the products used, weights achieved, batches, dates and operators.
- » **Integrated labelling:** Allows the generation of labels with weight fields and other data such as batches and counters. Perfect for filling containers where each one can have its own individual label (printing of batches, order number, etc.).

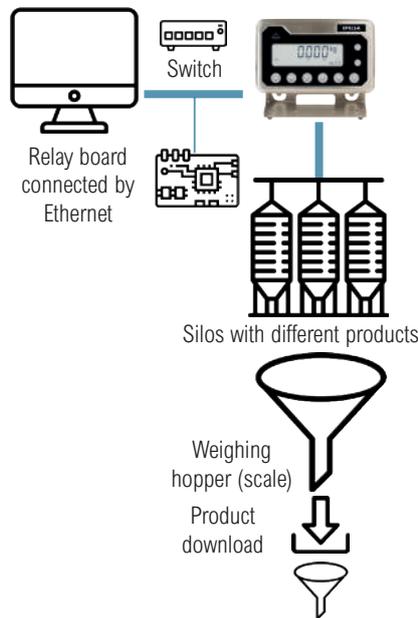
Types of Control

Control option	Description	Equipment to be used
1. CT-12 stand-alone indicator	Complete control from touch screen with EpelSoft MIX	CT-12, hopper, relay board
2. Orion/Cyber Viewer + PC	Viewers connected to PC running the software	Orion or Cyber, PC, hopper, relays, switch
3. PC with direct connectivity	The whole process managed from a PC without a viewer	PC, scale, relay board

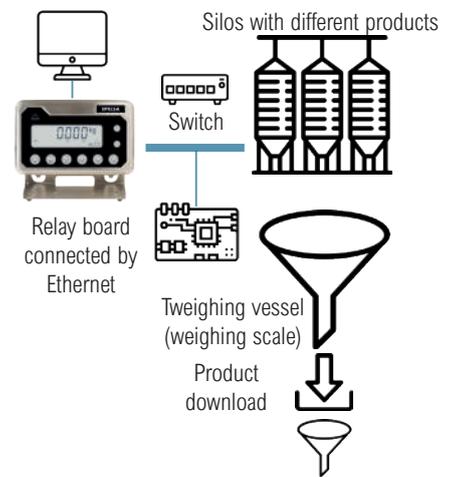
1 CT12 autonomous



2 Orion/Cyber + PC



3 PC with direct connectivity



Configuration screens



Data editing



Config. General



Config. BBDD



Config. Relay Boards



Config. Listings



Compatible weighing types

Type	Description
Cyclic weighing	Repetitive filling or emptying operations in cycles, ideal for bagging or palletising.
Additive weighing	Addition of several ingredients on the same scale to form a mixture.
Subtractive weighing	The product is deducted from a tank or silo until the desired quantity is reached.
Filling/loading by dimension	A target weight is reached automatically.
Additive filling	Filling with a single ingredient or with several constant ingredients.
Subtractive filling	Identical to additive, but controlling the emptying.
Associative filling	Combination of multiple fillings (drums that are then packed together).
Bulk filling	Includes loading, transport, unloading and total completion of the process.
Manual assisted filling	The operator performs the loading and the system validates the weights step by step.
Formulation with tracking	Complete control of ingredients and batches, with step-by-step registration and full traceability.

Technical characteristics

- » Supported operating system: Windows Control devices: PC, Epelsa Viewers (CT-12, Orion, Cyber)
- » Modes of operation: Manual, semi-automatic and automatic
- » Compatible weighing types:
 - Cyclic weighing (bulk-weighing)
 - Subtractive weighing
 - Additive weighing
- » Connectivity:
 - Ethernet
 - RS-232 (according to viewer)
- » Compatible external elements:
 - Relay boards (control of solenoid valves, motors, dampers, etc.)
 - Scales, weigh hoppers, silos and load cell sensors
- » Sequential control: Possibility of defining process stages (loading, unloading, standby, relay activation...)
- » Modular software: Scalable according to number of products, hoppers or automation needs.

Reference

MODEL	REFERENCE
EPELSoft MIX	000119091070