

Dosing hoppers

Hoppers for the dosing and weighing of powders and liquids at the end of the line through modular hoppers and electronic scale-controlled tanks.

Continuous or batch,
positive, by loss of weight,
by volume or by weight




Integrated automation

Touch panel managing
the production process

Full traceability and barcode

Precision and repeatability

Transport & dosage
Dosing hoppers

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Chemical

Systems for the weighing and metering of powders and liquids at the end of the line, through modular hoppers for powders and tanks for liquids controlled by electronic metering scale for the weighing. Metering can be continuous or batch, positive, by loss of weight, by volume or by weight.

The dosing process is coordinated by an integrated automation system including touch panel managing the production process (recipe management, production, product and hopper parametrization) and CEPI TRACKING SYSTEM software for full traceability with digitalization through barcode of the movements of all ingredients. CEPI TRACKING SISTEM includes recipe, ingredient and warehouse managers, and analysis of production history.

All dosing systems are fully customized with site evaluation, analysis of raw materials, environment and consumption. All machinery is compliant with ATEX legislation, designed to match the needs of the ingredients they handle and built in appropriate materials.

CEPI's dosing solutions also include: the 3 in 1 station with vertical blender (which weights, filters and blends in a single unit), high precision metering of micro ingredients, cold and hot metering of fats and systems for the preparation, storage and dosing of salt solution and invert sugar.



Three dosing lines for powders and liquids with touch panel and CIP washing system



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Features & Technologies

Dosing is continuous or batch, positive, by loss of weight, by volume or by weight

Production management via touch panel: recipes, production, parametrization and maintenance

Software for full traceability, warehouse manager and analysis of production history

Weighing in real time

Ground or table scale for manual dosage of minor ingredients

Hygiene guaranteed by self-cleaning filter and dust exhaust unit with lid

CIP washing system

Discharging valve

Level sensor

① Dust exhaust unit with lid

② Self-cleaning filter

③ Liquid hopper

④ Touch panel

⑤ Discharging valve

⑥ Weighing cells

⑦ Antidust filter






Hoppers for powders



Hoppers for liquids

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Two dosing points with four hoppers each



Antistatic filters



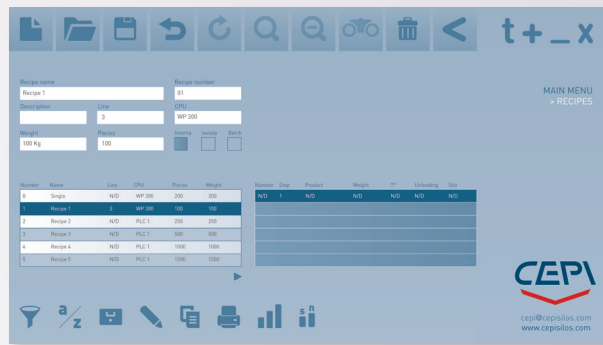
Sifting system (right) and lift diverter (left)



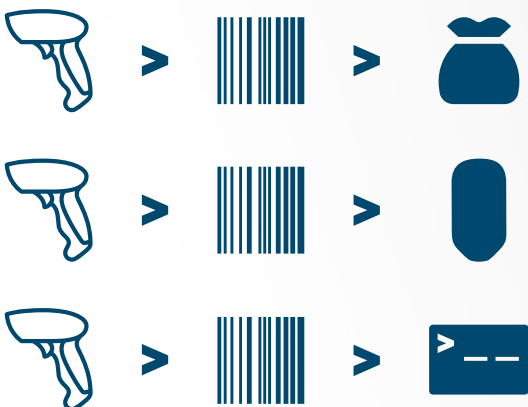
Dosing area: one station with sugar invert system and cold fat metering and one station with salt solution



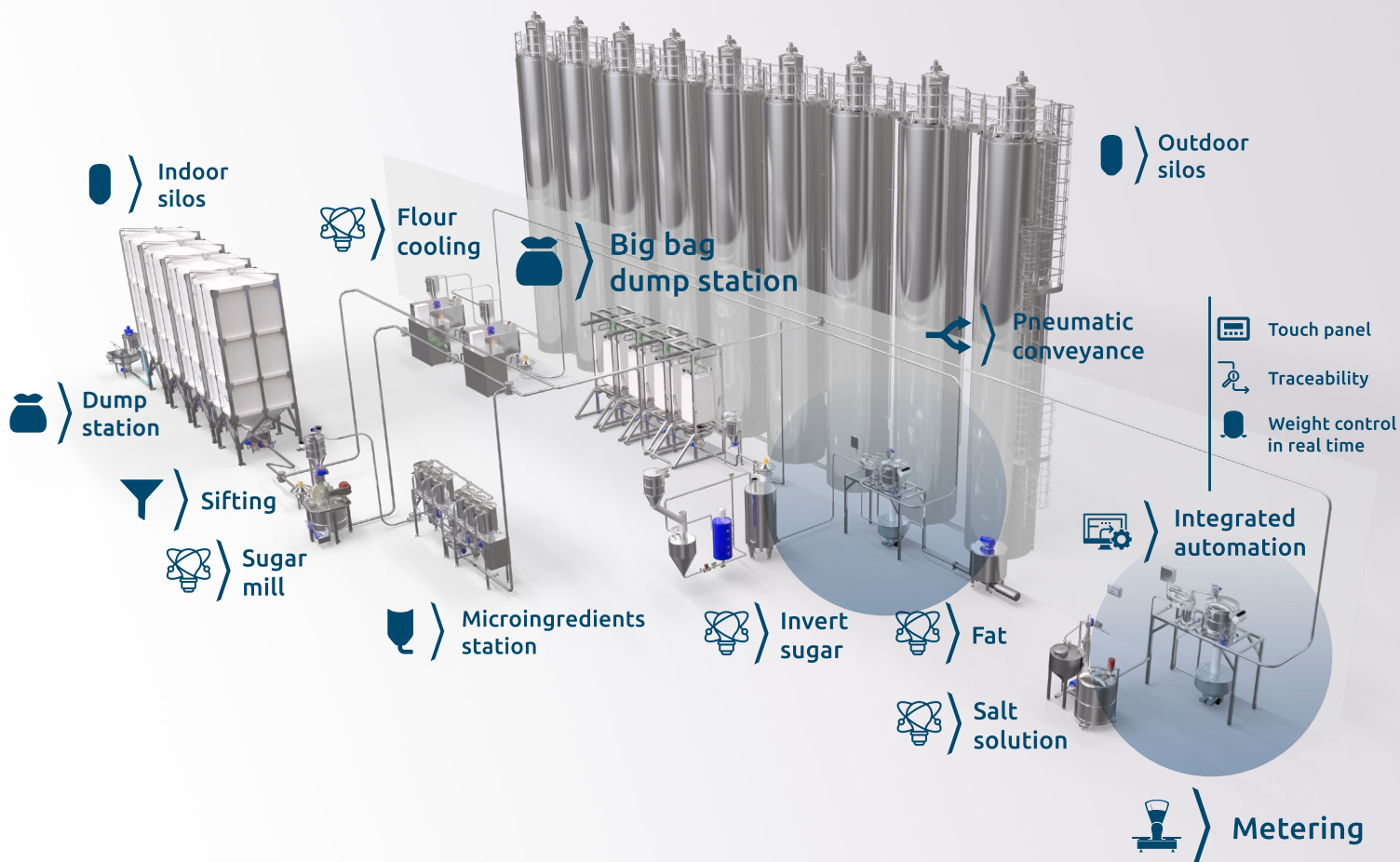
Production management with personalized touch panels 4 - 15" Siemens or Allen Bradley: production management, recipe management, ingredient and hopper parametrization, synoptic overview. With PC and mobile device version. Other options include: 15" standardized PLC Leonardo and weighing processor WP140 (electromechanical automation) with LCD display.



Cepi Tracking System provides full traceability, process control and warehouse management. Functions include control and digitalization of all ingredient movements, lot control with barcode system, history of storing and recipe operations, batch report and consumption report with dynamic graphics illustrating product, recipe or lot trends. Full information exchange with SQL database available for queries from a third party system and management of communication with ERP.



Lot control with barcode tracing operations related to ingredients, containers and commands (such as command to load with queuing of product lot, command to load and close all previous lots present in the container...)



Bulk-handling systems for the food industry since 1985



STORING



CONVEYING



DOSING



AUTOMATION

Product and process analysis
 Engineering and control
 Direct manufacture
 Project management
 Installation and commissioning
 Monitoring and service



Bakery & biscuits
 Confectionery
 Pasta & Cereals
 Dairy
 Premix

Functional food
 Baby food
 Pet food
 Chemical
 Pharmaceutical