

HERO

INNOVATIVE **COLOR** TECHNOLOGY

- CTM •
A1200
In-plant automatic dosing system



•CTM•
A1200

Gravimetric System with Moving Dosing Head. For producing and tinting in the Factory any product, with up to 44 components, in any container, from the small 1 litre can to the large batches of 3.000 Kg and more.





● ● ● ADVANTAGES:

- Possibility to dose from the small 1 litre can to the large batches of 3.000 Kg and more
- Great performances in a small footprint
- Flexible and modular configurations
- Different level of automation available depending on the budget

● ● ● PROBLEMS SOLVED:

- Colorants drying on the nozzles
- Sedimentation of the pigments and obstruction of the circuits
- Difficult re-filling of the tanks

● ● ● ERGONOMICS AND EASE OF USE:

- Elevators and roller-conveyors for batch and can handling: different levels of automation available from totally manual to totally automatic, including totally automatic in-can production lines.
- Quick and easy systems for automatic re-filling or substitution of the tanks, including electric winchesto facilitate the substitution of the drums.



● ● ● Standard equipment

Dosing:	Sequential by weight
Number of circuits:	Up to 44 per each dosing head
Max flow-rate:	20 l/min (with 3/4" valves and 1" membrane pumps) (*)
Accuracy:	+/- 0,1 g (*)
Dosing head:	Mobile dosing head with the typical "sliced" configuration. The valves are on two different radii. High number of valves in a small footprint. Dosing head positioning through the rotation, under the pneumatic actuator, of the plate where the valves are fixed. High positioning speed (less than 3 sec.) through an electric ratio-motor group with sensors of position
Pneumatic valves:	Available in different sizes: 3/4" or 1 1/2". With double concentric shutter with re-cycle. Valves normally closed.
Valves actuator:	Triple pneumatic cylinder, handling up to 9 different levels of opening of the valves
Pumps:	Pneumatic double membrane of: 1", 2" or 3" Electric double membrane of: 1" Electric progressive cavity Electric gears Electric cave disk
Containers:	From 1 Kg to 3.000 Kg
Storage tanks:	Industrial drum Palletized cube Palletized tank Fixed storage tanks with custom size
Tank agitation:	Only through re-circulation High-speed agitator with propeller for low-viscosity products Low-speed agitator with propeller for high-viscosity products
Levels handling:	Mathematic handling Minimum and maximum level controls Continuous level sensors
Can handling:	Manual elevator Automatic elevator Roller-conveyor Motorized roller-conveyor
Explosion-proof:	ATEX certificate available upon request
Electronic scale:	Depending on the requirements in terms of maximum load and precision. Possibility to install multiple scales, to optimize the precisions on scales even very different (35 - 600 - 1500 - 3000 Kg). Available also in ATEX version.
Personal Computer:	Office - Industrial - Version ATEX

(*) Data depending on the viscosity of the colorants and on the precision of the electronic scale

● ● ● Software features

TintWise_FCT: Software managing the dispenser in the Factory for: selection of the product, can-size and colour formula from a database, gravimetric dosage, modification of existing formulas, creation and saving of new formulas, customers' colours search, colorants level visualization and refilling, receiving formulas from a spectrophotometer or other programs, re-calculation of the formula based on the can-size, calculation of the price of the coloured paint, printing of labels. Check-up of the electro-mechanical components and tele-assistance program. Recording and visualization of the list of technical service interventions on the machine. Interface with the ERP system of the customer.