HERO

INNOVATIVE **COLOR** TECHNOLOGY

• NEWTON •
A850

Automatic colorant dispenser

• NEWTON TWIN •
A950

Automatic paint and colorant dispenser
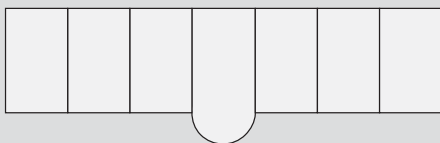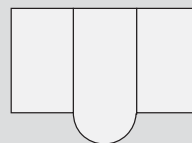
Newton is HERO's Simultaneous Automatic Dispenser designed on the needs of the Large Professional Point of Sale or the Depot of Paint to tint large volumes mainly in medium cans and large pails.
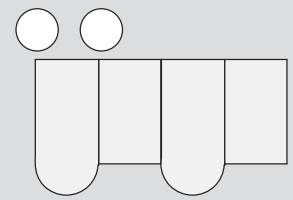

• Possible configurations
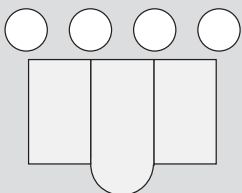
Newton Basic + canister modules (up to 4)

Newton Basic configuration with 2 canister modules

Newton + Twin

Newton Basic + external tanks

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |

⬤ Canister 3 or 5 litres   ◯ Canister 9 litres   ⬭ Canister 18 litres

Newton is available both in Volumetric and in Gravimetric version, with additional external tanks and in combination with TWIN, automatic dosing system with high flow-rate for paint components.

• ADVANTAGES:

- Solving the problems of actual dosing systems

- Accuracy, durability and reliability

- Low or no ordinary maintenance

- High productivity, ergonomics and easiness of use

- Flexibility and modularity of the configurations

• PROBLEMS SOLVED:

- Durability and reliability of the pumps

- Colorants drying on the nozzles

- Sedimentation of the pigments and obstruction of the circuits

- Cleaning of the filters needed
- Difficult re-filling of the canisters

• ERGONOMICS AND EASE OF USE:

- Automatic elevator with photocell

- Roller-conveyor adjustable in height and closable

- Low re-filling height for the colorants (1160 mm)

● ● ● Standard equipment

Dosing system:	Simultaneous Volumetric
Number of circuits:	Up to 24
Max flow-rate:	1,1 l/min (*)
Average accuracy:	+/- 1 % (*)
Minimum dosing:	0,077 cc (1/384 fl. oz.) (*)
Pumps:	Hero's pumps with special, innovative internal gears with exceptional resistanceto the abrasion, mechanical seal on the shaft in tungsten carbide, activated by a ratio-motor driven by an inverter with an encoder with 500 steps. Granting flow-rate and precision at the same time
Dosing head:	Patented dosing head with 3 ways pneumatic valves with total re-circulationwith a spear directly on the dosing point. Solving the problem of the drying of the colorants on the nozzles
Can handling:	Totally automatic handling of the dosing process (automatic elevator with photocell). Shelf for opening and closing of the small can and for the positioning of the accessories
Canisters:	3, 5, 9 and 18 litres (see canisters configurations)
Filters:	Each canister is equipped with a self-cleaning filtering system, no ordinary maintenance is required
Humidifier Cap:	Automatic
Electronics:	Easy and accessible
Max dimensions:	l 1220 x d 1092 (**) x h 1260 (***) mm (basic version) l 450 x d 1092 x h 1260 mm (each additional canisters module)
Weight:	400 Kg (Newton 16: configuration with No. 2 storage modules and No. 12 x 5 litres, No. 4 x 9 litres)
Power supply:	220 V, 50 Hz, 16 A, monophase + ground 110 V, 60 Hz, 32 A, monophase + ground

Options:	
Can Handling:	Roller-conveyors adjustable in height, to handle medium and large size cans and pails with ease. Closable to facilitate the re-filling of the colorants
Can centring:	Laser aiming system
Personal Computer:	PC, built-in LCD flat-screen and membrane key-board
Electronic scale:	35 Kg +/- 0,1 (available also with under-division 0,01 g)
Printer:	Thermal label-printer or other
Dosing head for paint:	Twin dosing head
External tanks:	Upon request, following the specifications of the customer

(*) Data influenced by the viscosity of the colorants; (**) 780 mm (dosing head, elevator and roller-conveyors dismantled); (***) 1160 mm (colorants re-filling height)

● ● ● Software features

TintWise_LAB: Laboratory and technical service software for the preparation and up-dating of the database of the formulas. It is a precious instrument for our Customers' Laboratory and Service teams, in order to run independently the following activities: preparation and up-dating of the databases of formulas, setting of the machine parameters, setting of the level of accesses to the software (Paint Manufacturer – Owner of the Point-of-sales – Machine Operator).

TintWise_POS: All of our automatic dispensers come complete with HERO's latest version of TintWise™ dispense and machine utilities software. This state of the art Windows XP color formula software is specifically designed for point-of-sale custom color dispensing. It performs a large list of functions including: product look up, can-size specification, user security, label printing, color database management, custom formula generation.The utilities area also offers simple to use machine calibration, colorant level visualization, and settings for warning levels for re-filing, agitation, service intervals, and purging. This software is also compatible with most common brands of spectrophotometer and color matching software so you can operate your dispenser seamlessly with these programs. A bar code reader can also be interfaced if required. The user interface can be customized with the Company logo.