COROB™
color engineering

COROB™ MODULA

IN-PLANT

COROB™ MODULA

COROB™ MODULA family of dispensers represent the most flexible complete range of automated tinters that can be tailored in many configurations so too meet performance, productivity and space requirements. COROB™ In-Plant solutions continue to exceed customer requirements and expectations.

MODULA machines are ideal for the most demanding working environments, from large volume paint stores to the most demanding factory production facilities.
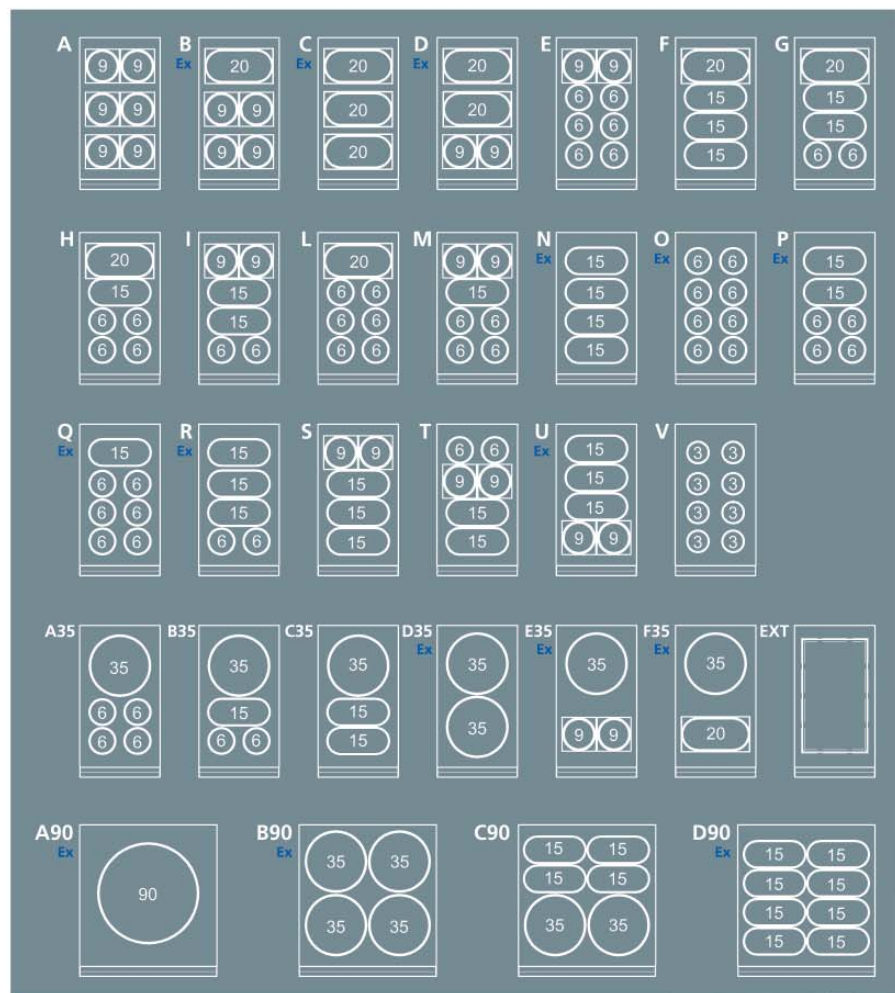
COROB offers many flexible and adaptable machine platforms. Several dispensing technologies can be selected. COROB offers high volume gear pumps, wear-free patented bellow's pump technology, progressive cavity and membrane pumps. Additional solutions can also be provided as needed.

Performance and productivity are assured with a wide selection of canister sizes and external tank solutions.

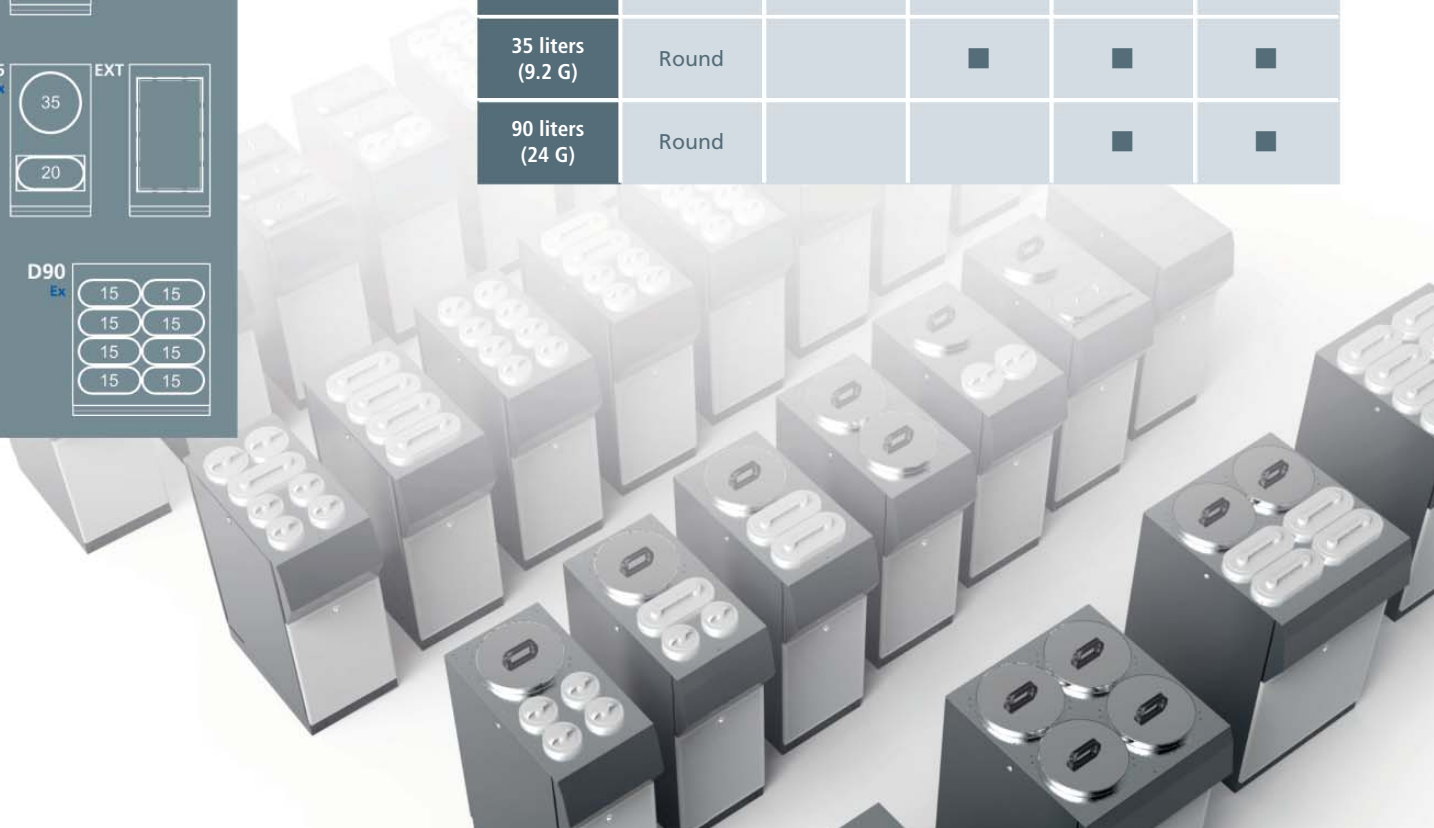MODULA dispensers are both suitable for In-Batch and In-Can production.

MODULE TEMPLATES

CANISTER SELECTION

	Shape	Acetalic	Stainless steel	Stainless steel Air tight	Double pump
3 liters (3 q)	Round	■	■		
6 liters (6 q)	Round	■	■		
9 liters (9.5 q)	Round	■	■	■	
15 liters (4 G)	Oval	■	■		
20 liters (5.3 G)	Oval		■	■	■
35 liters (9.2 G)	Round		■	■	■
90 liters (24 G)	Round			■	■

Ex = Explosion proof templates

There is the possibility to customize the module templates according to specific customer needs.

IN-CAN

In-can production is the essence of producing a wide selection of tinted paint at a very substantial cost savings and in the minimum amount of time.

- Each tinted batch is profitable.
- The system is extremely flexible and with no startup time required.
- Deliver custom paint with minimal production time and maximized profits.
- A proven method for enhancing customer service and decreasing lead times.

MODELS	DISPENSING METHOD		EXPLOSION PROOF VERSION
	COLORANTS	BASES	
MODULA TDF	(Volumetric)		Ex
MODULA TDF-V	(Volumetric)	(Volumetric)	Ex
MODULA TDF-VG	(Volumetric)	(Gravimetric)	

IN-BATCH

Ideal for recurring large batch quantities of tinted paint.

- Ideal for delivering high volume production.
- High levels of accuracy and repeatability with tinted product.
- Best suited for cyclical applications.

MODELS	DISPENSING METHOD		EXPLOSION PROOF VERSION
	COLORANTS	BASES	
MODULA BATCH	(Volumetric)		Ex
MODULA BATCH-V	(Volumetric)	(Volumetric)	Ex
MODULA BATCH-VG	(Volumetric)	(Gravimetric)	

Legend:
- (icon) Volumetric
- (icon) Gravimetric
- Ex Explosion proof

Wide selection of canister sizes and materials are available for the colorants.

Details of the colorant nozzle center and of the movable bases dosing valves.

Adjustable and automated roll conveyors ensure a user friendly and ergonomic cans flow.

Ergonomic and user friendly working position.

LAYOUTS

COROB's MODULA product range offers a wide selection of configurations that span from "in-line" to "U-shaped" layouts.

The modules can be set according to many combinations, allowing to find the best solution for each and particular need: in terms of space or production line in which the machine needs to be inserted into.

Detailed options and optimal configurations are part of COROB's internal support provided to all its customers.
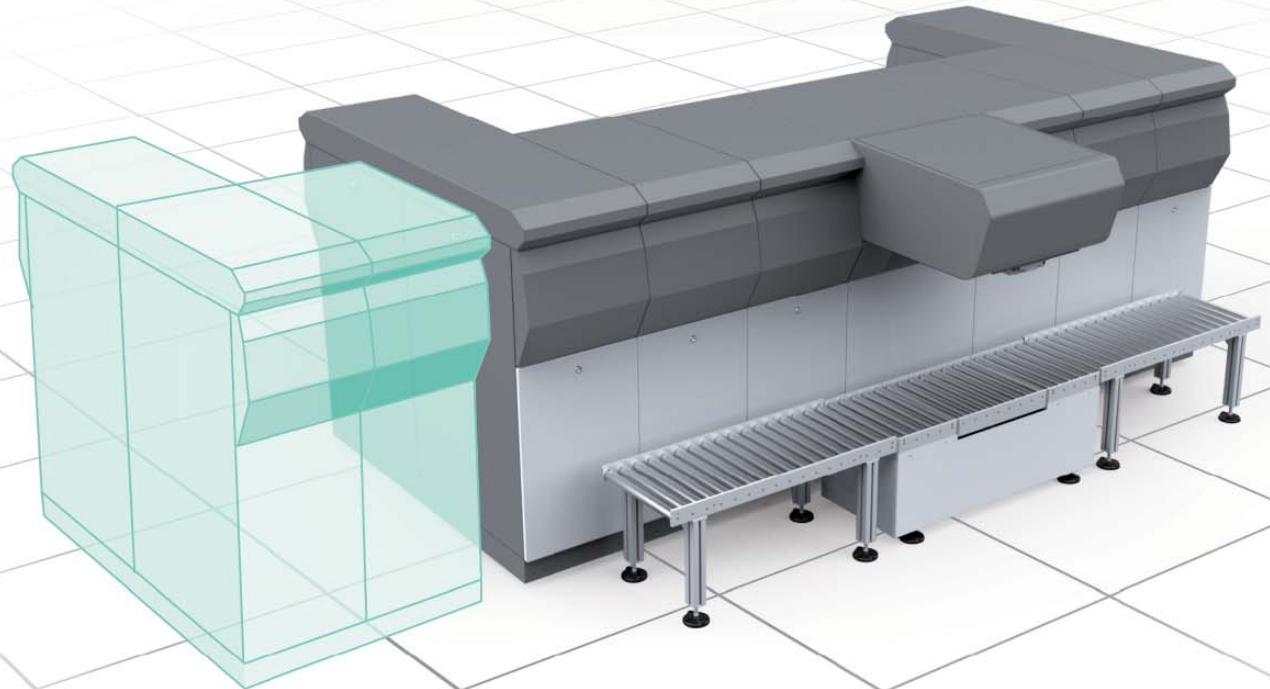
UNLIMITED SOLUTIONS

Consult with the COROB™ In-Plant team and selected partners to define the best In-Plant system for your business needs.

There are infinite possibilities, solutions and configurations that can be tailored to each individual customer's needs.

COMPLETE THE RANGE: COROB™ MIXING STATIONS

The mixing cycle often turns out to be the bottle neck in any production process, highly labor intensive and can contribute too many back injuries.
The COROB™ Mixing Station matches the speed of production and offers:

- Shorter delivery/mixing times.

- Increased productivity & efficiency per order.

- Reduced labor costs.

- Reduced back injuries.

The **Mixing Station MS-RG** and **Mixing Station MS-LG a**re just some of the most typical products of the range.

COROB™ Mixing Station MS-RG

COROB™ Mixing Station MS-LG

MODULA

Base dispenser features

Dispensing technology	Gear pump / HF Bellow pump
Dispensing flow	Simultaneous
Canister configurations	Up to 32
Canister sizes [l] (q-G)	3 (3 q) / 6 (6 q) / 9 (9.5 q) / 15 (4 G) / 20 (5.3 G) / 35 (9.2 G) / 90 (24 G) [according to modules]
Canister material	POM (Acetalic resin) / Stainless steel for 20 l, 35 l and 90 l
Circuit flow rate [l/min]*	Bellow: 0,2 [STD] / 0,4 [HF] - Gear: 0,5 [STD] / 1,0 [HF] / 0,16 [LAB] [multiple pumps in large canisters possible]
Minimum dispensed quantity [fl.oz.] (cc)*	1/384 (0,077) [STD] / 1/192 (0,154) [HF] - Gear: 1/1152 (0,026) [LAB]
Valve type	COROB 3-way electric valve (with re-circulation)
Nozzle closure system	Automatic cap
Pump type	Bellow: STD size - Gear: CRXs (option DR full stainless steel)
Pump per canister	Single or multiple
Colorant base compatibility	Decorative and Industrial: Water, Universal and Solvent (Explosion Proof available for Zone1 / Zone2)
Shelf type	Adjustable roll conveyor

Can handling features

Minimum can height [mm] (in)	70 (2.8)
Maximum can height [mm] (in)	450 (17.7)
Minimum can diameter [mm] (in)	100 (3.9)
Maximum can diameter [mm] (in)	360 (14.2)
Minimum hole diameter [mm] (in)	54 (2.1)

Power supply / Machine environment

Power supply [V] -- Frequency [Hz] -- Fuses	Single phase 100-110 ±10% / 220-240 ±10% -- 50/60 -- F10A
Maximum power absorption [W]	1000

Dispenser dimensions

Length [mm] (in)	1400 (55.1) [center frame + 2 modules]
Depth [mm] (in)	1010 (39.8)
Height [mm] (in)	1190 (46.9)
Footprint [m²] (ft²)	1,41 (15.22)

Certification

	CE - ATEX available upon request

* Values highly affected by the nature of the colorants and their rheological properties.

Take note: data refers to base configuration machine, figures may vary according to different specifications.

ABOUT COROB

Headquartered in San Felice sul Panaro, Italy, COROB is one of the world's leading supplier of advanced tinting equipment for the global paints and coatings industry. COROB offers a complete range of point-of-sales equipment from entry-level to high-performance dispensers, as well as mixers and shakers. In addition, COROB supplies complete In-Plant tinting systems and advanced self-service vending solutions. COROB offering is supported globally by a highly recognized Service Partner network.

For further information, please visit:
www.corob.com

SERVICE NETWORK

The global Service and Partner network is a true asset to our customers, making the deployment and servicing of COROB™ equipment a true hassle free activity. Professional and extensively trained Customer Service Representatives deliver technical support, installations and on-site operator training. Extended warranty and preventive maintenance programs are offered to extend the life cycle of your equipment and optimize performances.