



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, none wearing patented bellows pump technology, progressive cavity and membrane pumps. Additional solutions can also be provided as needed.

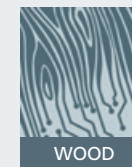
Performance and productivity are assured with a wide selection of canister sizes and external tank solutions.

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



APPLICATIONS

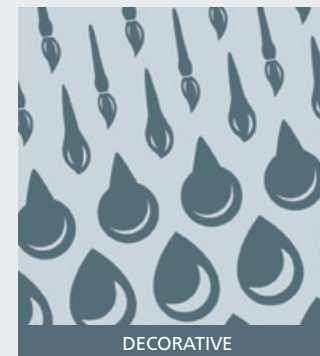
Within the In-Plant division, multiple technical solutions exist so to cover specific business application needs. Discover the many ideas and configurations for these industries.



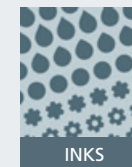
WOOD



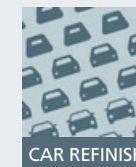
LEATHERS



DECORATIVE



INKS



CAR REFINISH

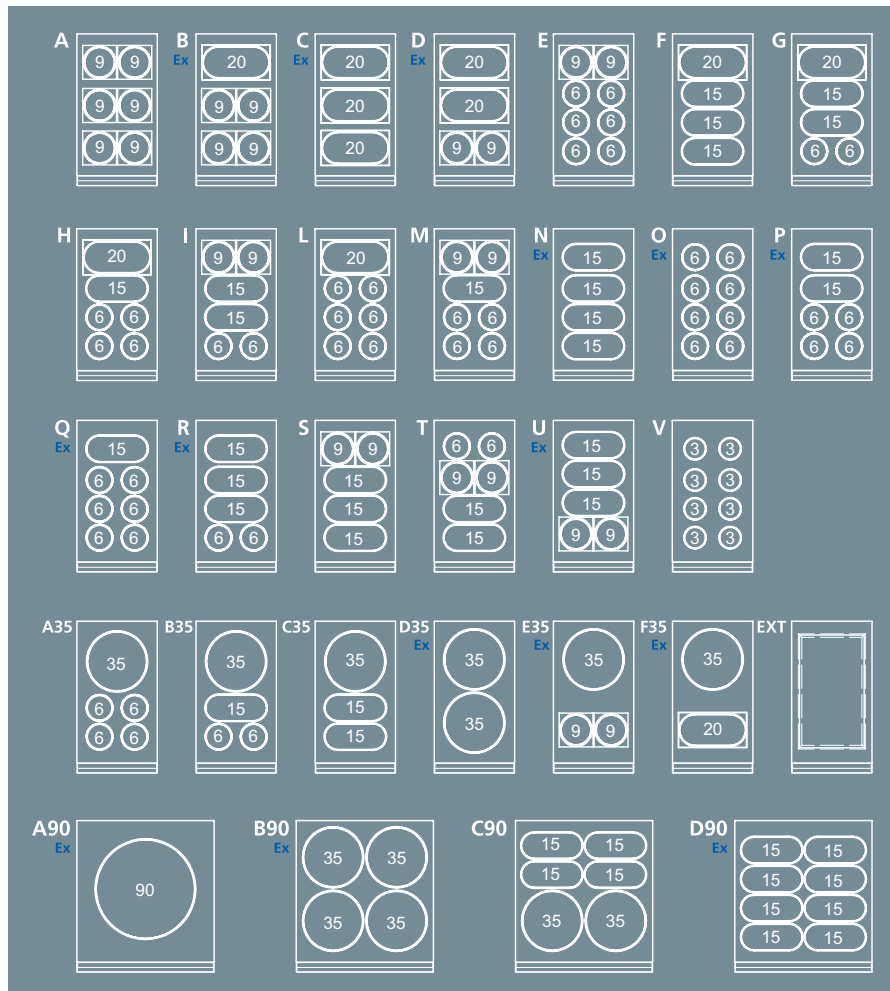


PLASTICS



INDUSTRIAL

MODULE TEMPLATES

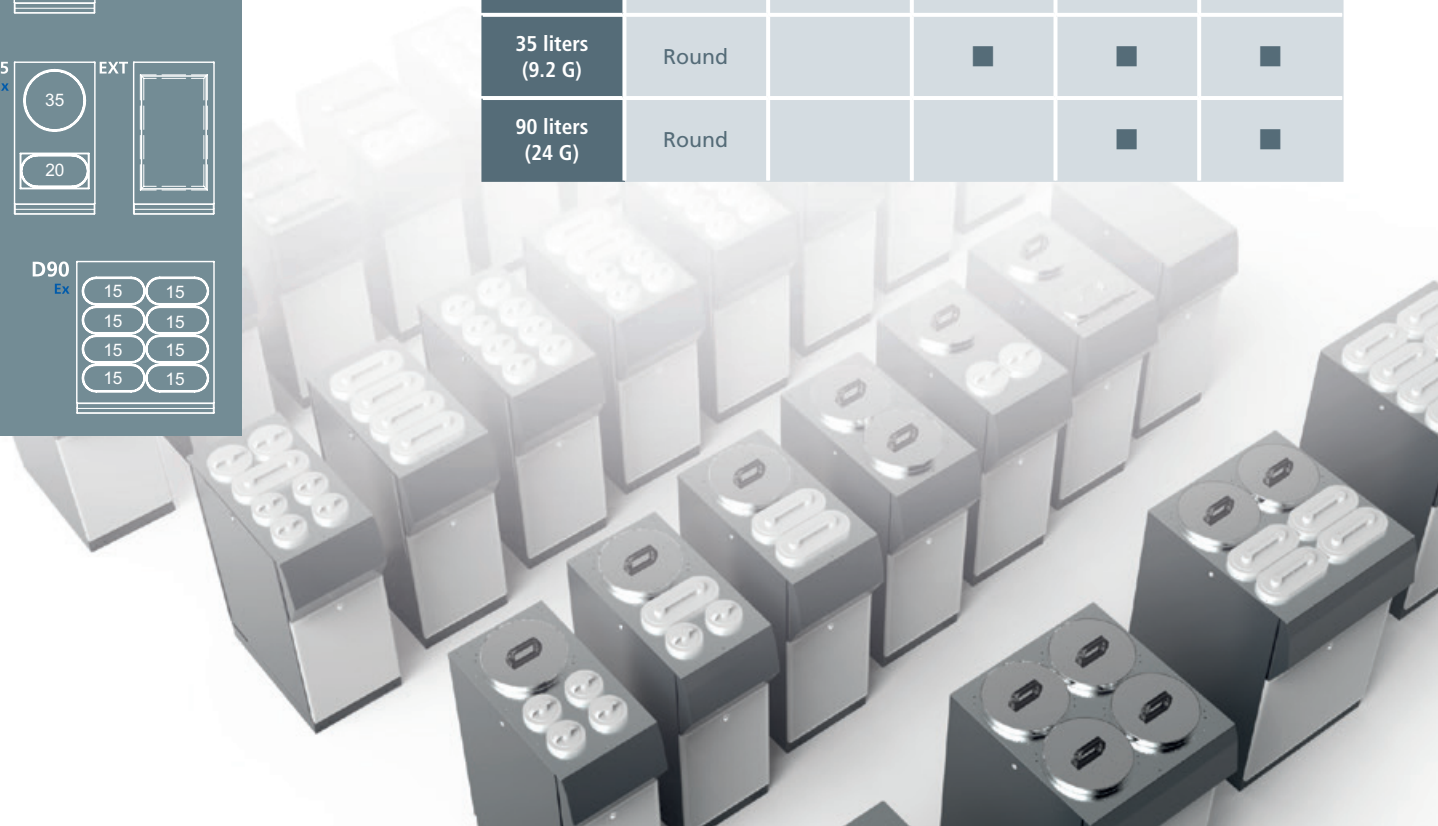


Ex = Explosion proof templates

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

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 | | | ■ | ■ |

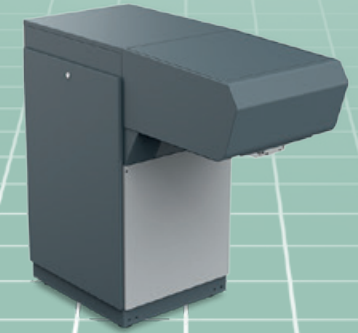


IN-CAN

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 |  | | | Ex |
| MODULA TDF-V |  |  | | Ex |
| MODULA TDF-VG |  |  | | |



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 |  | | | Ex |
| MODULA BATCH-V |  |  | | Ex |
| MODULA BATCH-VG |  |  | | |



Volumetric



Gravimetric



Explosion proof



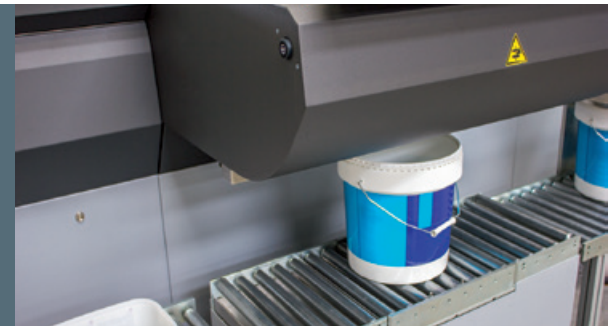
Wide selection of canister sizes and materials are available for the colorants.



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.

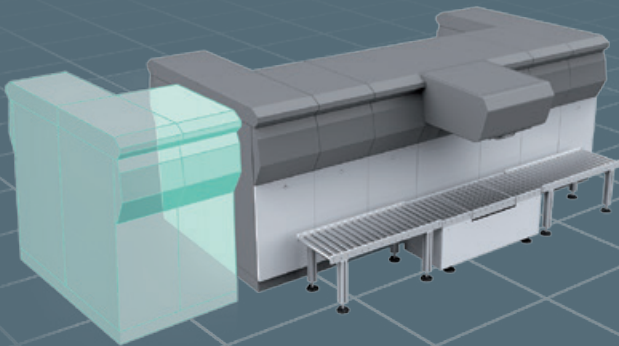


LAYOUTS

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.

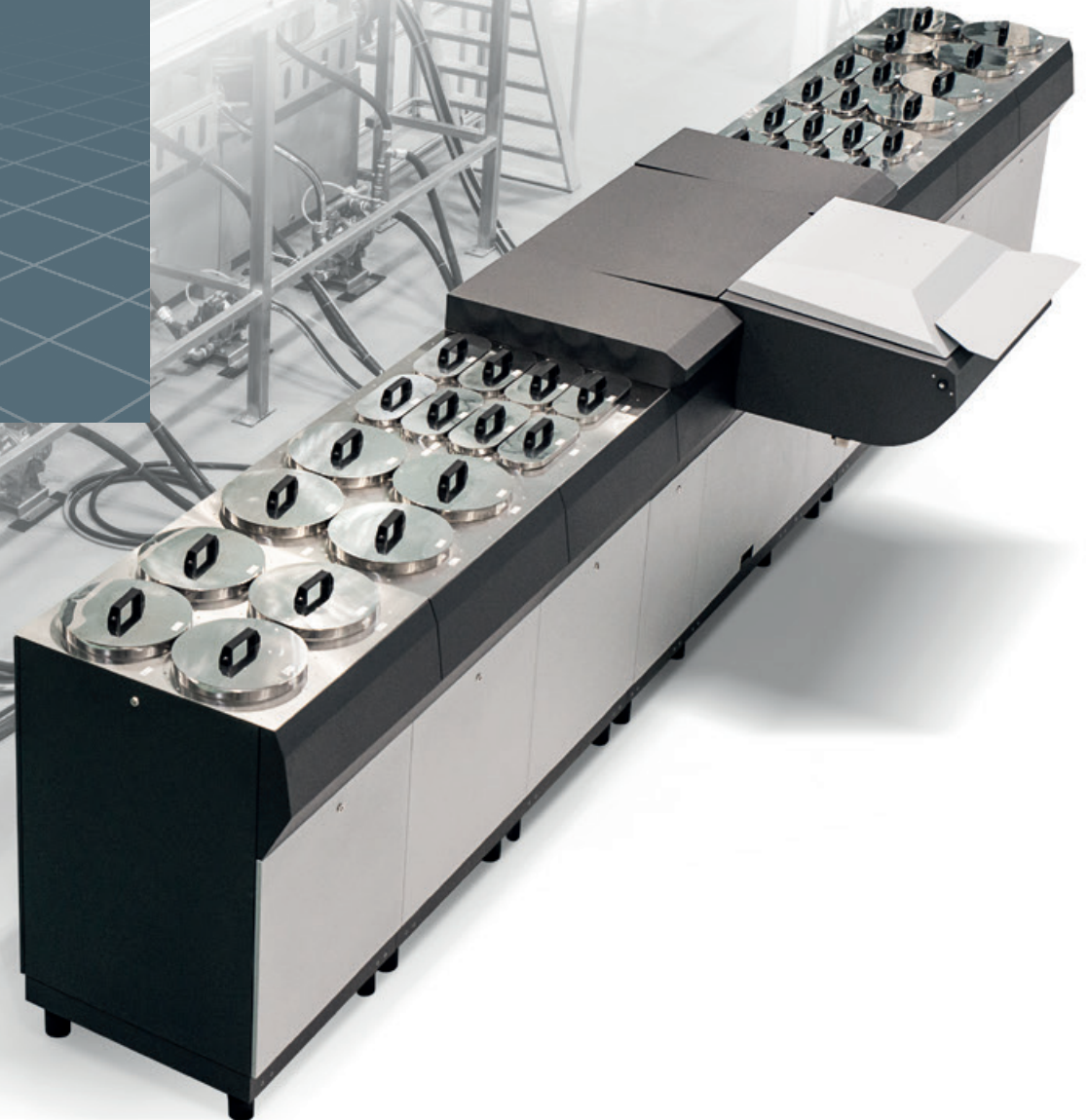
Detailed options and optimal configurations are part of COROB's internal support provided to all its customers.



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.

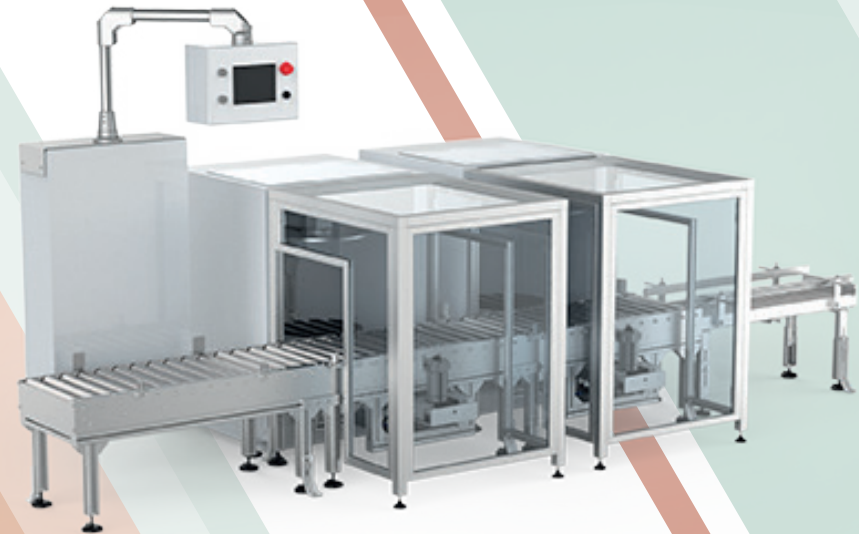
The COROB™ Mixing Station matches the speed of production and offers:

- 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** are 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

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.

Take note: data refers to base configuration machine, figures may vary according to different specifications.
 * Values highly affected by the nature of the colorants and their rheological properties.