

Mixes what gyroscopic & vibrational units cannot



Some products are too dense for conventional shakers. Plasters, fillers and heavy-body coatings require direct mixing inside the can. Without proper mixing, the result is inconsistent. Immersion mixing places the impeller directly into the product, homogenizing viscosities that vibrational and gyroscopic mixing struggle to reach.

DEEPstir is the COROB automatic immersion mixer for dense coatings, plasters and fillers that shaking a sealed can never fully resuspends. It completes the COROB range of mixers and shakers.

Available in the Frontal access version [FA] or version with Lateral Access [LA]. It works the product at full depth, so the batch comes out uniform the first time.

Both versions can be built into a production line: conveyors are placed in front of the [FA] version or at the sides of the [LA] version, so the line follows the space available. DEEPstir handles heavy pails in a footprint of 0.62 m², with a 430 mm loading height that lets the pail slide into position instead of being lifted.

Up to 30 mixing programs are stored on board, each one set over five phases of speed, duration and rotation direction; the programs can be customized from the keypad or in the EVOservice software to match a specific product mixing requirements.

Operators do not require any specific training because the mixer is extremely easy to use. Color-coded LED indicators show the machine status from a distance, speeding up troubleshooting.

The automatic clamping system holds round and oval cans through every mixing phase, eliminating the need for operator intervention once the cycle has started. As soon as the impeller lifts, a retractable drop saving device slides underneath and collects the dripping product. The drop saving tray unclips without tools, allowing it to be washed outside the machine.

Both versions are fitted with a door safety device, and optoelectronic safety barriers on the [LA] version integrate the mixer safely into conveyor lines.



ONE MACHINE, MANY DIFFICULT PRODUCTS

One machine handles the full range of difficult products, each with its own dedicated program engineered to deliver consistent, high-quality results efficiently.



COMFORTABLE, LOW-EFFORT LOADING

The pail is pushed directly into the mixer, eliminating the need for lifting. Add conveyors and DEEPstir transforms from a standalone machine into a station integrated into the production line.



NO TRAINING CURVE

Any operator can start a cycle after a brief explanation. The interface guides the user step-by-step, while the status feedback system indicates the machine's condition, even from a distance.

ABOUT US

COROB, a GRACO company, is a global leader with a long and successful history in developing, manufacturing and delivering high-tech dispensing and mixing solutions for the widest range of tinting applications. Our offering is supported by a global service network making COROB a total solution provider.



Technical data

Business environment	Professional paint stores, distribution centers / depots
Volume output	Mid / High
Type	Automatic immersion mixer
Access mode	Frontal access [FA] - Lateral access [LA]
Clamping function	Automatic
Mixing phases	5
Mixing speed [rpm] *	up to 1400
Mixing motor power [kW]	2.2
N° of customizing mixing programs	30
Drops saving device	Automatic
Impeller	Trapezoidal 230 mm (standard); trapezoidal 160 mm, spiral 230/160 mm, flat 160 mm (optional)
Door type	Manual double sliding door
Can size [mm] (in)	Height: max 450 (17.7) / Diameter: max 320 (12.6)- min 170 (6.7)**
Can type	Round and Oval
Max can weight [kg] (lbs)	40 (88)
Certification	CE/UKCA
Dimensions (WxDxH) [mm] (in)	810 x 760 x 2010 (31.9 x 29.9 x 79.1) - loading height 430 (16.9)
Footprint [sqm] (sq ft)	0.62 (6.63)

* Mixing speed may vary depending on the product viscosity and/or characteristics.

** An impeller with a smaller diameter is required for cans below 230 mm.

A WORD ON IMMERSION MIXING



Immersion mixing works with open containers. The impeller is lowered into the product and mixes it in the can it ships in, with no transfer to a separate vessel. The action is applied inside the product, so it homogenizes viscosities that vibrational and gyroscopic mixing struggle with: dense plasters and fillers. It suits repeated batches of the same color and complements rather than replaces shakers and gyroscopic mixers.