



Marabu

corob

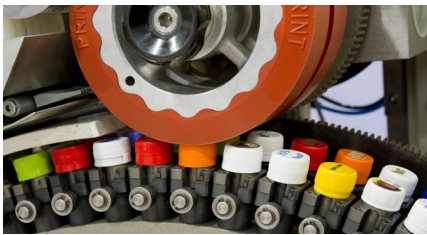
## Marabu Pad and Screen Printing Inks for COROB EVOPWR CX Dispensers





### **Marabu — We Brighten the World**

Since 1859 Marabu has been creating innovative inks for industrial pad and screen printing applications. Enhanced and fine-tuned over decades, pad printing has become a solid solution in the printing industry. Pad printing ensures first-rate results for decoration, marking, and identification on tough surfaces, such as containers, toys, household electronics, discs, signs, medical products, glass, automotive parts, labels, and textiles.



Screen printing is a highly versatile process. To maximize this technology in decorative and functional applications, flexibility and expertise are a must, which Marabu has dominated over the years. Marabu has long played a key role in shaping screen printing technology. Marabu's innovative ideas and products combined with in-depth knowledge of printing processes have been instrumental in driving this technology forward. All over the world, Marabu is synonymous with high-quality inks, manufactured to the highest standards.



### **COROB — Bringing Color to Life**

Headquartered in San Felice, sul Panaro (Modena, Italy), COROB is a leading provider of intelligent point-of-sale and in-plant production solutions that range from stand-alone dispensers and mixers to fully-automated, integrated end-to-end systems. COROB product capabilities include tinting, dosing, dispensing, filling, and blending of paint, coatings, ink, chemicals, additives, and other liquids.

With 35 years of experience, COROB has not only mastered color excellence, they have unleashed their vision to see solutions that have revolutionized companies around the world. COROB has a rich, full history of product development. This is a result of an active, hands-on approach and relationships with customers as well as a commitment to intense research and development.



### **COROB Service Team — Taking Care of the Details**

COROB complements its broad product line with extensive installation and maintenance capabilities. The company's 24/7 service network ensures that COROB customers receive unparalleled support when and where they need it. COROB-certified technicians are expertly trained and qualified to service COROB equipment, no matter what the issue. They are prompt, courteous, and always prepared to provide basic proper-use training to any associate. And, if there is an immediate need, service technicians can provide remote diagnostics to troubleshoot any issue.



### **Marabu and COROB Together We Deliver Beautiful, Accurate, Repeatable Color**

Designed to work effectively on all popular printing equipment, Marabu inks achieve impressive results even on difficult substrates. This allows us to meet the ever-changing challenges of printing applications.

To further achieve exceptional product quality, Marabu has partnered with COROB to offer an ink dispensing system that not only ensures our ink's brilliance but provides accurate, repeatable color.

COROB's EVOPWR CX dispenser is ideal for pad and screen printing applications that use UV or solvent-based inks. The dispenser is available in three configurations with either 16, 18 or 24 canisters. The EVOPWR CX can dispense formulas down to 25 grams or less with a minimum drop size of .05 grams of ink. This assures that only the exact amount of ink is dispensed for the job, which means printers produce the perfect color every time. With Marabu inks and a COROB dispensing system, pad and screen printers will realize beautiful, accurate color on every product.

# Marabu Printing Inks and COROB Ink Dispensers

## EVOPWR CX Dispenser

Featuring the latest EVO technology, the COROB EVOPWR CX incorporates a smart 5G electronic platform that improves the dispenser's accuracy and repeatability, therefore, delivering color excellence to the consumer. This flexible dispenser is configured to handle either a UV or solvent-based ink. The EVOPWR CX offers a complete range of performance settings, a single drive system with gear or Bellows pumps, and a wide range of canister layouts and modules. With improved ergonomics, operators can easily fill canisters as well as service dispense nozzles, valves, electronics, and mechanical functions.

The 5G platform provides up to a .05 gram minimum drop accuracy at  $\pm 10\%$ , and the fully automatic dispense system distributes up to any eight inks simultaneously with no downtime or canister rotation.

With a single drive system, the circuits, which encompass everything from the canister to the nozzle tip, are individually controlled; only the specified circuits will pump and deliver ink, saving wear on the pump and motor. The EVOPWR CX incorporates a three-way electric valve with re-circulation and includes a humidification system with sliding cap to keep the inks from drying out and a temperature sensor for monitoring inks.



### Features

- Suitable for UV or solvent-based inks
- Mix and match canister sizes: 3L, 4L, 6L, 9L, 15L
- Canister stirring is pre-set or with variable timing to keep inks fresh
- 15mm high viscosity piping on solvent units provide optimum flow rates
- 10mm non-transparent piping on UV units ensures that inks do not dry out
- Access to front, back, and side panels helps service personnel easily maintain the machine
- 5G control system allows technicians to remotely diagnose any dispenser functions
- Operating platform allows settings to be saved and automatically recalled, eliminating reconfigurations
- 5G provides 10x faster communication speed, making installations and updates quick and convenient
- Real time monitoring via Internet of COROB cloud services
- Connectivity with major spectrophotometer brands
- Marabu Color Manager Software implemented with COROB Driver Software



EVOPWR with either 16, 18 or 24 circuits

### Marabu Inks

Solvent-based pad printing:	Solvent-based screen printing:	UV-based screen printing:
Tampa® Plus TPL	Libra Print LIP	Ultra Glass LEDGL
Tampa® Pol TPY	Mara® Flex FX	Ultra Pack LEDC
Tampa® Pur TPU	Mara® Star SR	Ultra Pack UVCL
Tampa® Sport TPSP	Mara® Glass MGL	Ultra Pack UVFP
Tampa® Star TPR	Mara® Tech MGO	Ultra Plus UVP
Tampa® Tech TPT	Mara® Pol PY	Ultra Glass UVGL
Tampa® Tex TPX	Mara® Pur PU	<b>UV-based pad printing:</b>
Tampa® Tex TPGL	Glass Ink GL	Tampa® Cure TPC

## Technical Data Single Drive System: EVOPWR CX

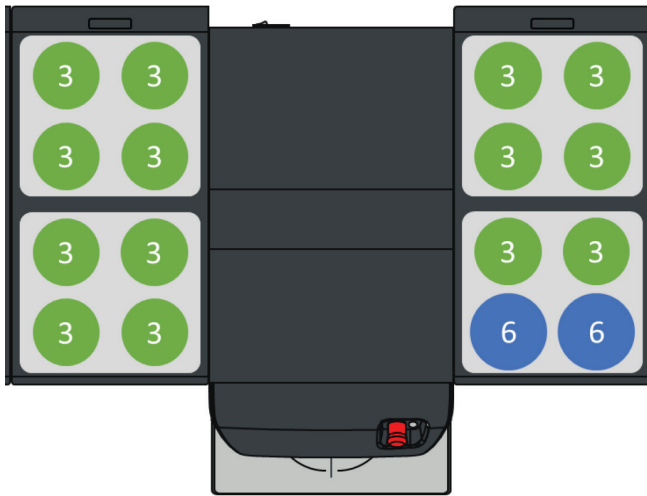
	SOLVENT	UV
Dispensing technology	Gear	Bellows
Ink compatibility	Solvent based	UV based
Canisters	16, 18, or 24	16, 18, or 24
Canister sizes	3L, 4L, 6L, 9L, 15L	3L, 4L, 6L, 9L, 15L
Canister material	POM (acetalic resin) with nylon lids	POM (acetalic resin) with acetylic lids
Canister stirring	Pre-set (variable timing function available)	
Dimensions	49" h x 48" w x 36" d with shelf (34" without shelf) EVOPWR C16 49" h x 63" w x 36" d with shelf (34" without shelf) EVOPWR C18, C24	
Weight	16C (551 lbs.), 18C and 24C (661 lbs.) – approximately	
Dispensing flow	Simultaneous (8 circuits at a time)	Simultaneous (8 circuits at a time)
Minimum dispensing accuracy	± 10% accuracy	± 10% accuracy
Minimum dispensing amount	.05 gram	.05 gram
Pump type	Single drive gear (SSDP standard)	Single drive Bellows (BPG standard)
Valve type	DN5 electro valve	COROB INV nozzle valve
Nozzle flow diameter	1.1" (up to 16 canisters), 1.5" (17–20 canisters), 1.8" (21–32 canisters)	
Nozzle closure system	Automatic cap	Automatic cap
Power supply	Single phase 100 – 110 ±10%	Single phase 100 – 110 ±10%
Frequency (Hz)	50/60	50/60
Fuses	F 10 Amp	F 10 Amp
Maximum power absorption	From 150 to 600 based on the configuration	
Working temperature	50 °F to 104 °F	50 °F to 104 °F
Relative humidity	From 5% to 85% (without condensation)	
Panels	Sheet metal	Sheet metal
Shelf type	Semi-automatic table / shelf	Semi-automatic table / shelf
Minimum container height	3"	3"
Maximum container height	19.7"	19.7"
Minimum container diameter	2.8"	2.8"
Maximum filling diameter	16.3"	16.3"
Minimum fill opening diameter	1.69" (up to 16 canisters), 2.13" (17–20 canisters), 2.36" (21–32 canisters)	
Certification	CE/UL	CE/UL
OPTIONS	Roll conveyor with fold-down shelf	Roll conveyor with fold-down shelf
	Integrated nozzle valve	Integrated nozzle valve
	Spectrophotometer connectivity	Spectrophotometer connectivity
	Top cover mirror	Top cover mirror
	Heater (per module)	Heater (per module)
	Printer and bar code scanner options	Printer and bar code scanner options
	COROB Connect	COROB Connect

The EVOPWR CX package price includes: Dell PC, keyboard, monitor, mouse, software, two-day installation, calibration, training, and a one-year parts and labor warranty.



# Dispenser Configurations

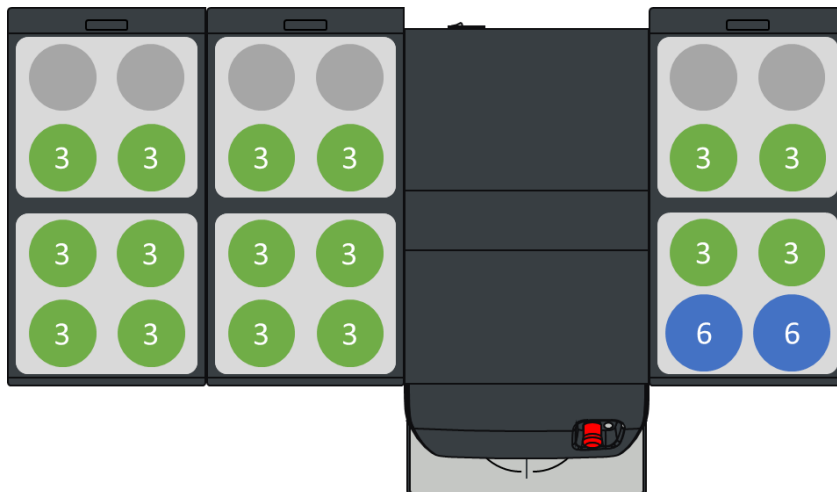
## EVOPWR CX 16C or EVOPWR CX 16C UV Dispenser



### Includes:

- Base frame plus two additional modules
- 14x canisters 3 liter (POM)
- 2x canisters 6 liter (POM)
- Simultaneous dispensing
- Re-circulation on all canisters
- Automatic sliding cap
- Humidification system
- Temperature sensor
- Semi-automatic can table / shelf
- Alignment laser

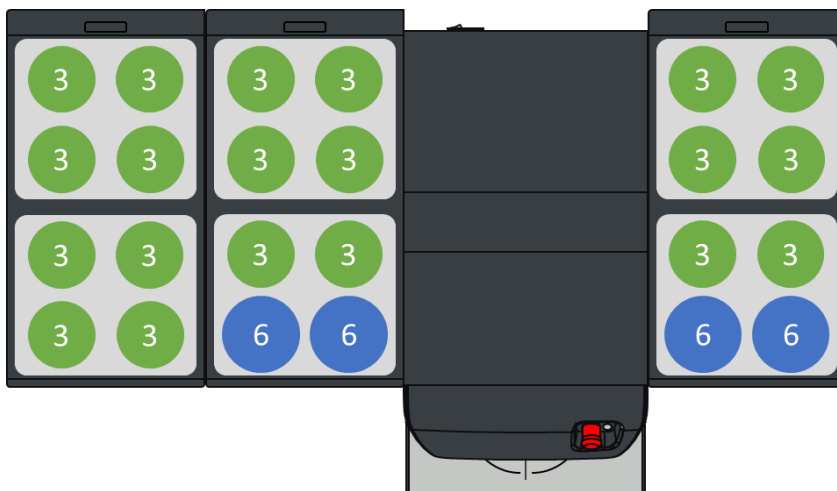
## EVOPWR CX 18C or EVOPWR CX 18C UV Dispenser



### Includes:

- Base frame plus three additional modules
- 16x canisters 3 liter (POM)
- 2x canisters 6 liter (POM)
- 6x empty slots for expansion
- Simultaneous dispensing
- Re-circulation on all canisters
- Automatic sliding cap
- Humidification system
- Temperature sensor
- Semi-automatic can table / shelf
- Alignment laser

## EVOPWR CX 24C or EVOPWR CX 24C UV Dispenser



### Includes:

- Base frame plus three additional modules
- 20x canisters 3 liter (POM)
- 4x canisters 6 liter (POM)
- Simultaneous dispensing
- Re-circulation on all canisters
- Automatic sliding cap
- Humidification system
- Temperature sensor
- Semi-automatic can table / shelf
- Alignment laser

