

DuPont™ Cyrel® EVO 1000 ECDLF

Exposure, Dryer & Light Finisher



[DuPont Advanced Printing](#) continues to be a global technology leader in the development and supply of flexographic printing systems. Our R&D team continues to develop innovative new solutions to help our customers expand their business by taking advantage of new and profitable opportunities in the growing flexographic packaging market. The DuPont Packaging Graphics portfolio of products includes DuPont™ Cyrel® brand photopolymer plates ([analogue and digital](#)), [Cyrel® platemaking equipment](#), [Cyrel® round sleeves](#), Cyrel® plate mounting systems and the revolutionary [Cyrel® FAST thermal system](#).

DuPont™ Cyrel® Systems: Higher quality at high speed.

The DuPont™ Cyrel® EVO 1000 ECDLF is designed with customer needs in mind; it is easy to install, support, maintain and operate. It is robust, extremely cost effective and reliable.

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Exposure Section

- Maximum plate size 900x1,200 mm (36" x 48")
- New cooling bed system to grant a uniform and constant temperature without any exposure time limit
- Vacuum system for analogue plates exposure
- Temperature control sensor
- Light integrator
- Lamps air flow cooling system with temperature control
- Optical fibers lamp control
- Lamp pre-heating function
- Userfriendly back exposure test function

Dryer Section

- 4 sealed drawers to prevent any leak of fumes
- Drying temperature reached in a very reduced time thanks to the new hot air generation and circulation system
- Automatic pre-heat system
- Automatic switch off option
- Optimal T° uniformity thanks to 2 separate T° controls interfaces
- New air suction system design to ensure a faster plate drying

Light Finishing Section

- Auto combined UVA-UVC post exposure (simultaneous/consecutive/delayed)
- Air flow cooling system
- Optical fibers lamp control

Product Features

DuPont™ Cyrel® EVO 1000 ECDLF exposes, dries, post-exposes and finishes high quality photopolymer plates up to a format of 900x1,200 mm (36" x 48").

The Exposure section is a clamshell design holding 23 UV-A fluorescent tubes with built-in reflectors. One yellow control tube illuminates the exposure bed for inspecting of the plate surface. Unique to this exposure unit is the anodised temperature controlled bed, closed loop system that controls the exposure bed temperature, which translates into predictable and consistent exposures. The unit is fitted with a light integrator that compensates for the decrease in light output as the tubes age. To meet the demanding needs of high quality plates the user can easily customise the 20 basic exposure set-ups.

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Each tube is constantly monitored by a photo-sensor. If the light emission of one or more tubes decreases below a set point, the user is alerted. There are three counters imbedded in the PLC to keep track of the number of hours the UV-A and UV-C tubes have been in operation.

The four dryer drawers are located beneath the Light Finisher section. There is one timer per dryer drawer for regulating the temperature. Automatic blowers on both dryer drawers further control the set temperature. The exhaust airflow is monitored by a safety sensor.

The Main Exposure holds 23 UV-A tubes and the Light Finisher section holds 17 UV-A and 18 UV-C tubes. The PLC allows the user to perform post exposure and finishing in a preferred sequence, or simultaneously. The post exposure and finisher section has 20 basic set-ups that can be easily customised by the user.

Technical Data		
General	Details	Other Notes
Equipment Name	DuPont™ Cyrel® EVO 1000 ECDLF	Cooled exposure, dryer, post exposure and light finisher
SAP Article Number	D15489197	
Plate Thickness	up to 7.0 mm	up to 0.276 inch
Max. Nominal Plate Width	920 mm (36")	
Max. Nominal Plate Length	1,200 mm (48")	
UV-A Tubes Wave Length	360 nm – 380 nm	23 tubes (Expo section), GMC M300506001 CY CNS LAMP, UVA, 80W,1.5 M 17 tubes (LF section), GMC M388998 CY CNS LAMP, UVA, 60W, 1.2 M
UV-C Tubes Wave Length	254 nm	18 tubes, GMC D12374309 CY CNS LAMP, UVC, 75W,1.2 M
Electrical (Field Configurable)	400 Volt – 50/60 Hz 230 Volt – 50/60 Hz	3PH/N/ PE 9.5kW 15A 3PH/PE 9.5kW 25A
Power (Nominal)	9.5 kW	
Current (Nominal Load)	15 Amp @ 400 Volt; 26 Amp @ 230 Volt	
Connecting Wires	400 Volt configuration 230 Volt configuration	5G6
Exhaust (Light Finisher)	2 x 140 mm Ø	400 + 400 m³/h
Exhaust (Dryer)	1 x 60 mm Ø	80 m³/h
Environmental Data	Temperature range: 17°C to 28°C (63°F to 82°F)	Relative humidity from 10% to 80% non-condensing
Compressed Air Supply	Min. 7 bar	
Dimensions:	Uncrated: D 1,830 mm (72.0") W 1,570 mm (61.8") H 1,060 mm (41.7") H (open) 2,050 mm (80.7")	Crated: 1,950 mm (76.7") 1,950 mm (76.7") 1,500 mm (59.0")
Weight	750 kg (1,653 lbs)	Crated: 950 kg (2,094 lbs)
Colour	DuPont Grey & DuPont Red	

www.cyrel.eu

For more information on DuPont™ Cyrel® or other DuPont Advanced Printing products, please contact your local representative.

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