

DuPont™ Cyrel® EVO 1000 ECLF

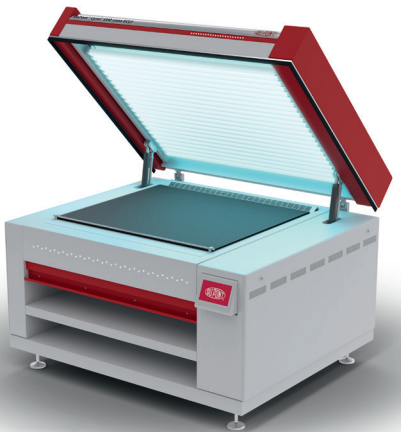
Exposure, Light Finisher and Post Exposure Unit



[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 ECLF is designed with customer needs in mind; it is easy to install, support, maintain and operate. It is robust, extremely cost effective and reliable.



DuPont™ Cyrel® EVO 1000 ECLF

Exposure Section

- Maximum plate size 900 x 1,200 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
- Lamps air flow cooling system with temperature control
- Optical fibers lamp control
- Lamp pre-heating function
- Userfriendly back exposure test function

Light Finishing Section

- UVA-UVC post exposure
- Air flow cooling system
- Optical fibers lamp control

Product Features

DuPont™ Cyrel® EVO 1000 ECLF can expose, post-expose and finish high quality photopolymer plates up to a format of 900 x 1,200 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 inspection 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 customize the 24 basic exposure set-ups.

Each tube is constantly monitored by a light guide, giving the operator a visual indication. 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.

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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 simultaneously. The post exposure and finisher section has 24 basic set-ups that can be easily customized by the user.

Technical Data		
General	Details	Other Notes
Equipment Name	DuPont™ Cyrel® EVO 1000 ECLF	Cooled exposure, dryer, post exposure and light finisher
SAP Article Number	D15489211	
Plate Thickness	0.5 mm to 7.0 mm	0.019" to 0.27"
Max. Nominal Plate Width	900 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, 1.2M
Electrical (Field Configurable)	400 Volt – 50/60 Hz 230 Volt – 50/60 Hz	3PH/N/ PE 7kW 11A 3PH/PE 7kW 19A
Power (Nominal)	7 kW	
Current (Nominal Load)	11 Amp @ 400 Volt; 19 Amp @ 230 Volt	
Connecting Wires	400 Volt configuration; 230 Volt configuration	5G6
Grounding	< 0.1 Ω	
Exhaust (Light Finisher)	2 x 140 mm Ø	400 + 400 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: D W H H (open)	Uncrated: 1,530 mm (60.2") 1,750 mm (68.9") 1,060 mm (41.7") 2,050 mm (80.7")	Crated: 1,950 mm (76.7") 1,950 mm (76.7") 1,500 mm (59.0")
Weight	650 kg (1,433 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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