

DuPont™ Cyrel® DigiFlow 1000 ECLF

STATE-OF-THE-ART EXPOSURE AND LIGHT FINISHER

DuPont Packaging Graphics



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Floor Plan

DuPont Packaging Graphics is a leading supplier serving the package printing markets with DuPont™ Cyrel® flexographic solutions. The Cyrel® systems for analog and digital applications, which are available for solvent and thermal processing, comprise sheet photopolymer plates, continuous sleeves, plate making and mounting equipment. DuPont has been advancing flexography for over 35 years and offers a complete range of equipment. The DuPont™ Cyrel® systems are renowned for their unmatched production performance, for top quality plates and improvements in the overall pre-press workflow.

The Cyrel® DigiFlow 1000 ECLF is designed to operate in both standard mode and in DigiFlow mode with no extra plate handling. The DigiFlow mode brings higher ink transfer in solid density. It is easy to install, support, maintain and operate. It is robust, extremely cost effective and reliable.

Benefits

- Exposure in standard digital dot mode or DigiFlow mode
- Cost effective operation in DigiFlow mode
- Maximum plate size 900 x 1,200 mm
- Light integrator controlled exposure
- Clamshell design
- Outstanding vacuum draw down
- Anodised temperature controlled exposure bed
- Optimum productivity

Product Features

DuPont™ Cyrel® DigiFlow 1000 ECLF exposes the highest quality photopolymer plates up to a nominal maximum format of 900 x 1,200 mm (36 inch x 48 inch).

The Exposure section is a clamshell design holding 24 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 DigiFlow chamber which can be easily opened and closed via the clamshell lid. 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 25 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.

The Post Exposure and Light Finisher section hold 19 UV-C and 20 UV-A 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 25 basic set-ups that can be easily customised by the user.

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Technical Data		
General	Details	Other Notes
Equipment Name	DuPont™ Cyrel® DigiFlow 1000 ECLF	Cooled exposure, post exposure and light finisher
SAP Article Number	D14710022	
Plate Thickness	0.5 mm to 7.0 mm (0.019 inch to 0.27 inch)	
Max. Nominal Plate Width	900 mm (36 inch)	
Max. Nominal Plate Length	1,200 mm (48 inch)	
UV-A Lamps: Wave Length	360 nm – 380 nm	24 tubes (Exposure) 20 tubes (Light Finishers)
UV-C Lamps: Wave Length	254 nm	19 tubes (Light Finishers)
Electrical (Field Configurable)	370 / 440 Volt – 50 / 60 hz 208 / 240 Volt – 50 / 60 hz	3Ph / N / PE 3Ph / PE
Power (Nominal)	10 kW	
Current (Nominal Load)	16 Amp @ 400 Volt 26 Amp @ 230 Volt	
Connecting Wires	400 Volt configuration 230 Volt configuration	5 x 4 mm ² 4 x 4 mm ²
Grounding	≤ 0.1 Ω	
Exhaust (Light Finisher)	Ø 140 mm (5.5 inch)	1500 m ³ / h–883 scfm (min)
Environmental Data	Temperature range: 17°C to 28°C (63°F to 82°F)	Relative humidity from 20% to 85% non-condensing
Nitrogen Supply	3/8"–9.525 mm connection	Regulator to allow 4,1 bar–60 psi
Compressed Air Supply	NA	
Dimensions	Uncrated D 1,550 mm (61.0 inch) W 1,800 mm (70.9 inch) H 1,060 mm (41.8 inch) H - open 1,850 mm (72.9 inch) (open)	Crated 1,650 mm (65.0 inch) 1,900 mm (74.8 inch) 1,500 mm (59.0 inch)
Weight	710 kg (1,764 lbs)	980 kg (2,138 lbs)
Colour	DuPont Grey & DuPont Red	

For more information on DuPont™ Cyrel® or other DuPont Packaging Graphics products, please contact your local representative:

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