

DuPont™ Cyrel® 1000 ECLF

STATE OF THE ART EXPOSURE & LIGHT FINISHER

DuPont Packaging Graphics



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Technical Drawing

DuPont Packaging Graphics is a leading supplier serving the package printing markets with DuPont™ Cyrel® flexographic solutions. The Cyrel® systems for analogue and digital applications, which are available for solvent and thermal processing, comprise sheet photopolymer plates, continuous sleeves, plate making and mounting equipment. DuPont's complete range of equipment is Advancing Flexography for over 30 years. The DuPont™ Cyrel® systems are renowned for their unmatched production performance, for toping plate quality and abridge the overall pre-press workflow.

The Cyrel® 1000 ECLF is the state-of-the-art exposure, light finisher and post exposure unit, designed to expose all Cyrel® photopolymer plates, including Cyrel® FAST.

Application

- Maximum plate size 900 x 1,200 mm
- Clamshell design
- Anodised temperature controlled exposure bed
- Light intergrator controlled exposure
- Outstanding vacuum draw down
- Optimum productivity

Product Features

DuPont™ Cyrel® 1000 ECLF can exposes, post-exposes and finishes 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 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.

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 3 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 20 basic set-ups that can be easily customised by the user.



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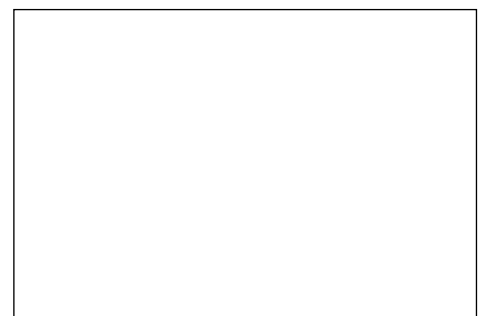
Technical Data		
General	Details	Other Notes
Equipment Name	DuPont™ Cyrel® 1000 ECLF	Cooled exposure, post exposure and light finisher
SAP Article Number	MH74451A	
Packing	Crated	
Max. nominal plate width	900 mm – 36 inch	
Max. nominal plate length	1,200 mm – 48 inch	
UV-A tubes wave length	360 nm – 380 nm	24 tubes (Exposure) 20 tubes (Light Finisher)
UV-C tubes wave length	254 nm	19 tubes (Light Finisher)
Plate thickness	0.5 mm to 7.0 mm	0.019 inch to 0.27 inch
Electrical (field configurable)	370 / 440 Volt – 50 / 60hz * 208 / 240 Volt – 50 / 60hz**	3Ph / N / PE* 3Ph / PE**
Power (nominal)	10 kW	
Current (nominal load)	16 Amp @ 400 Volt* 26 Amp @ 230 Volt**	* Connecting wires 5x 4 mm ² for 400 Volt configuration. ** Connecting wires 4x 4 mm ² for 230 Volt configuration.
Exhaust (Light Finisher)	Ø 140 mm – 5.5 inch	1,500 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
Compressed Air supply	NA	
Dimension L	1,550 mm – 61.0 inch (un-crated)	1,650 mm – 65.0 inch (crated)
W	1,800 mm – 70.9 inch (un-crated)	1,900 mm – 74.8 inch (crated)
H	1,060 mm – 41.8 inch (un-crated)	1,500 mm – 59.0 inch (crated)
H – open	1,850 mm – 72.9 inch (open)	
Weight	700 kg – 1.764 lbs (un-crated)	970 kg – 2.138 lbs (crated)
Colour	DuPont Grey & DuPont Red	

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To learn more, visit www.cyrel.co.uk
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“Advancing Flexography”