

DuPont™ Cyrel® 1000 ECDLF

Exposure, Dryer & Light Finisher

DuPont™ Cyrel® 1000 ECDLF exposes, dries, post-exposes and finishes high quality photopolymer plates up to a format of 36" x 48" (900 x 1,200 mm).

Benefits

- Maximum plate size 36" x 48" (900 x 1,200 mm)
- Clamshell design
- Anodized temperature controlled exposure bed
- Light integrator controlled exposure
- All-in-one exposure, dryer & light finisher
- Optimum productivity

Features

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 anodized 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 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 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 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 customized by the user.

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Technical Data

General	Details	Other Notes
Equipment Name	DuPont™ Cyrel® 1000 ECDLF	Cooled exposure, dryer, post exposure and light finisher
SAP Article Number	D11552085	
Plate Thickness	0.019" to 0.27"	0.5 mm to 7.0 mm
Max. Nominal Plate Width	36" (900 mm)	
Max. Nominal Plate Length	48" (1,200 mm)	
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)
Electrical (Field Configurable)	370 / 440 Volt – 50 / 60 hz 208 / 240 Volt – 50 / 60 hz	3Ph / N / PE 3Ph / PE
Power (nominal)	9.5 kW	
Current (Nominal Load)	15 Amp @ 400 Volt; 28 Amp @ 230 Volt	
Connecting Wires	400 Volt configuration; 230 Volt configuration	5 x 2.5 mm ² ; 4 x 6 mm ²
Exhaust (Light Finisher)	Ø 5.5" (140 mm)	800 m ³ / h-470.9 scfm (min)
Exhaust (Dryer)	Ø 2.36" (60 mm)	100 m ³ / h-58.86 scfm (min)
Environmental Data	Temperature range: 63°F to 82°F (17°C to 28°C)	Relative humidity from 20% to 80% non-condensing
Compressed Air Supply	7 bar minimum	
Dimensions	Uncrated	Crated
L	61.1" (1,550 mm)	65.0" (1,650 mm)
W	70.9" (1,800 mm)	74.8" (1,900 mm)
H	42.9" (1,090 mm)	59.1" (1,500 mm)
H (open)	72.9" (1,850 mm)	
Weight	1,433 lbs (650 kg)	2,028 lbs (920 kg)
Color	DuPont Grey & DuPont Red	

The DuPont Industrial Solutions portfolio of products includes the DuPont™ Cyrel® brand of photopolymer plates (analog and digital), Cyrel® platemaking equipment, Cyrel® round sleeves and the revolutionary Cyrel® FAST thermal system.



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For more information on DuPont™ Cyrel® or other DuPont products, please visit our website.

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