

DuPont™ Cyrel® EVO 1000 ECLF

Exposure, Light Finisher and Post Exposure Unit

DuPont™ Cyrel® 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").

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

Features

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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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 D11896125 CY LAMP - UVC- TUV 75W HO - 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	Uncrated	Crated
D	1,530 mm (60.2")	1,950 mm (76,7")
W	1,750 mm (68.9")	1,950 mm (76,7")
H	1,060 mm (41.7")	1,500 mm (59,0")
H (open)	2,050 mm (80.7")	
Weight	650 kg (1,433 lbs)	Crated: 950 kg (2,094 lbs)
Color	DuPont Grey & DuPont Red	

DuPont Industrial Solutions brings together leading technologies and products for the printing and package printing industries. DuPont™ Cyrel® is one of the world's leading flexographic platemaking systems in digital and conventional formats, including 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.



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

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