

DuPont™ Cyrel® EVO 1000 ECDLF

Exposure, Dryer & Light Finisher

DuPont™ Cyrel® EVO 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).

Exposure Section

- Maximum plate size 36" x 48" (900 x 1,200 mm)
- New cooling bed system to grant a uniform and constant temperature without any exposure time limit
- Vacuum system for analog plates exposure
- Temperature control sensor
- Light integrator
- Lamps air flow cooling system with temperature control
- Optical fibers lamp control
- Lamp pre-heating function
- Userfriendly back exposure test function

Dryer Section

- 4 sealed drawers to prevent any leak of fumes
- Drying temperature reached in a very reduced time thanks to the new hot air generation and circulation system
- Automatic pre-heat system
- Automatic switch off option
- Optimal T° uniformity thanks to 2 separate T° controls interfaces
- New air suction system design to ensure a faster plate drying

Light Finishing Section

- Auto combined UVA-UVC post exposure (simultaneous/consecutive/delayed)
- Air flow cooling system
- Optical fibers lamp control

Product 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 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 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 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® EVO 1000 ECDLF	Cooled exposure, dryer, post exposure and light finisher
SAP Article Number	D15489197	
Plate Thickness	up to 0.276 inch	up to 7.0 mm
Max. Nominal Plate Width	36" (920 mm)	
Max. Nominal Plate Length	48" (1,200 mm)	
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 9.5kW 15A; 3PH/PE 9.5kW 25A
Power (Nominal)	9.5 kW	
Current (Nominal Load)	15 Amp @ 400 Volt; 26 Amp @ 230 Volt	
Connecting Wires	400 Volt configuration; 230 Volt configuration	5G6
Exhaust (Light Finisher)	2 x 140 mm Ø	400 + 400 m³/h
Exhaust (Dryer)	1 x 60 mm Ø	80 m³/h
Environmental Data	Temperature range: 63°F to 82°F (17°C to 28°C)	Relative humidity from 10% to 80% non-condensing
Compressed Air Supply	Min. 7 bar	
Dimensions	Uncrated	Crated
D	72.0" (1,830 mm)	76.7" (1,950 mm)
W	61.8" (1,570 mm)	76.7" (1,950 mm)
H	41.7" (1,060 mm)	59.0" (1,500 mm)
H (open)	80.7" (2,050 mm)	
Weight	1,653 lbs (750 kg)	Crated: 2,094 lbs (950 kg)
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 (analog and digital), Cyrel® platemaking equipment, Cyrel® round sleeves, Cyrel® plate mounting systems and the revolutionary Cyrel® FAST thermal system.



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PDS-EU0054-EN (8/21)