

DuPont™ Cyrel® 2000 EC/LF

STATE-OF-THE-ART EXPOSURE, LIGHT FINISHER AND POST-EXPOSURE UNIT

DuPont Packaging Graphics

To help our customers gain competitive advantage in the global packaging graphics value chain.

DuPont Packaging Graphics continues to build upon its position as the leading global supplier of flexographic printing systems. Our scientists continue to develop unique solutions based on new technologies to help our customers expand their business by taking advantage of new profitable packaging printing opportunities.

The portfolio of products includes Cyrel® brand photopolymer plates (analog and digital), Cyrel® platemaking equipment, Cyrel® round sleeves, Cyrel® plate mounting systems and the revolutionary Cyrel®FAST thermal system.

The Cyrel® 2000 EC/LF is the state-of-the-art exposure, light finisher and post-exposure unit, designed to expose all Cyrel® photopolymer plates, including Cyrel®FAST.

The exposure bed can accommodate a plate up to 42 inch by 60 inch. The exposure portion is an automated "clamshell" design for optimum productivity and excellent exposure and vacuum draw down.

Designed with customer needs in mind, it is easy to install, support, maintain, and operate. It is robust, cost-effective and extremely reliable.

The exposure section is made of a swiveling top holding thirty-eight UV-A fluorescent tubes with built-in reflectors. One yellow



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low control tube illuminates the exposure bed while inspecting the plate surface. The lower part features a water-cooled bed.

Unique to this exposure unit is the water-cooled, closed loop system that controls the exposure bed temperature, producing a more even polymerization of the plate, which translates into predictable and consistent exposures. The Cyrel® 2000 EC/LF has been equipped with an integrator that compensates for the decrease in light output as the bulbs age. This integration scheme allows for consistent exposure of the plates over the life of the bulbs.

To meet the demanding needs of high quality photopolymer plates the user can easily customize the 20 basic exposure set-ups.

The post exposure and light finisher section is located in the top drawer below the exposure section. The drawer is mounted on ball-slides and holds twenty-six UV-C tubes and twenty-seven UV-A tubes. The

computer control board allows the user to perform post exposure and finishing in the preferred sequence, or simultaneously. The post exposure and finisher section has 20 basic set-ups that can be easily customized by the user.

Special features are available with the equipment. 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. This detection system is particularly useful and enhances the SAFE use of the equipment under the most difficult conditions.

To assist the user in maintaining the highest level of efficiency, three counters are imbedded in the computer control board to keep track of the number of hours the UV-A and UV-C tubes have been working.

Located beneath the finisher are three drawers for convenient storing of Cyrel® plates, films and supplies.



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"Advancing Flexography"

General	Details	Other notes
Equipment Name	DuPont™ Cyrel® 2000 EC/LF	Combined unit
Global material code	MH89533	Cooled exposure, dryer, post exposure and light finisher
Packing	Crate	
Max. nominal plate width	42 inch	
Max. nominal plate length	60 inch	
UV-A tubes wave length	360-380 nm	
UV-C tubes wave length	254 nm	
Electrical (field configurable)	210/240 Volt – 50/60hz * 370/420 Volt – 50/60hz **	Three phases and ground * Three phases, neutral and ground **
Power (nominal)	9.5 kW	
Current (nominal load)	27 Amp @ 230 V * 16 Amp @ 400 V **	Connection wires 4 x 10 mm ² * Connection wires 5 x 10 mm ² **
Grounding	≤ 0.1 Ω	Ground bar to equipment frame and to electrical supply ground
Exhaust (Light Finisher)	Ø 5.5 inch (Connection)	590 scfm (min)
Environmental Data	Temperature range 65° F to 85° F	Relative humidity from 20% to 85% non-condensing
Dimension L x W x H	104 inch x 68 inch x 43 inch	104 inch x 68 inch x 94 inch (open)
Color	Grey and Red	DuPont grey and DuPont red

* Electrical configuration 1 ** Electrical configuration 2

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