

# DuPont™ Cyrel® DigiFlow 1000 ECLF

Exposure and Light Finisher

**DuPont™ Cyrel® DigiFlow 1000 ECLF exposes high quality photopolymer plates up to a format of 36" x 48" (900 x 1,200 mm).**

## Benefits

- Exposure in standard digital dot mode or DigiFlow mode
- Cost effective operation in DigiFlow mode
- Maximum plate size 900 x 1,200 mm (36" x 48")
- Light integrator controlled exposure
- Clamshell design
- Outstanding vacuum draw down
- Anodised temperature controlled exposure bed
- 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 inspection of the plate surface. Unique to this exposure unit is the DigiFlow chamber which can be easily opened and closed via the clamshell lid. 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 25 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.

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 25 basic set-ups that can be easily customized by the user.



# DuPont™ Cyrel® DigiFlow 1000 ECLF

Exposure and Light Finisher

## Technical Data

General	Details	Other Notes
<b>Equipment Name</b>	DuPont™ Cyrel® DigiFlow 1000 ECLF	Cooled exposure, post exposure and light finisher
<b>SAP Article Number</b>	D14811438	
<b>Plate Thickness</b>	0.5 mm to 7.0 mm	(0.019" to 0.27")
<b>Max. Nominal Plate Width</b>	900 mm (36")	
<b>Max. Nominal Plate Length</b>	1,200 mm (48")	
<b>UV-A Lamps: Wave Length</b>	360 nm – 380 nm	24 tubes (Exposure); 20 tubes (Light Finishers)
<b>UV-C Lamps: Wave Length</b>	254 nm	19 tubes (Light Finishers)
<b>Electrical (Field Configurable)</b>	370 / 440 Volt–50/60 hz; 208 / 240 Volt–50/60 hz	3Ph / N / PE; 3Ph / PE
<b>Power (Nominal)</b>	10 kW	
<b>Current (Nominal Load)</b>	16 Amp @ 400 Volt; 26 Amp @ 230 Volt	
<b>Connecting Wires</b>	400 Volt configuration; 230 Volt configuration	5 x 4 mm <sup>2</sup> ; 4 x 4 mm <sup>2</sup>
<b>Grounding</b>	≤ 0.1 Ω	
<b>Exhaust (Light Finisher)</b>	Ø 140 mm (5.5")	1500 m <sup>3</sup> / h–883 scfm (min)
<b>Environmental Data</b>	Temperature range: 17°C to 28°C (63°F to 82°F)	Relative humidity from 20% to 85% non-condensing
<b>Nitrogen Supply</b>	3/8"–9.525 mm connection	Regulator to allow 4,1 bar–60 psi
<b>Compressed Air Supply</b>	7 bar minimum 200 l/min.	Pressure dew point 3°C, max. residual intake oil content of <0.01 mg/m <sup>3</sup>
<b>Dimensions</b>	<b>Uncrated</b>	<b>Crated</b>
<b>D</b>	1,550 mm (61.0")	1,650 mm (65.0")
<b>W</b>	1,800 mm (70.9")	1,900 mm (74.8")
<b>H</b>	1,060 mm (41.8")	1,500 mm (59.0")
<b>H - open</b>	1,850 mm (72.9")	
<b>Weight</b>	710 kg (1,764 lbs)	980 kg (2,138 lbs)
<b>Color</b>	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.



[cyrel.com/na](http://cyrel.com/na)

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

The information provided in this data sheet corresponds to our knowledge on the subject at the date of its publication. It may be subject to revision as new knowledge and experience becomes available. This information is not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. Since we cannot anticipate all variations in end-use and disposal conditions, DuPont makes no warranties and assumes no liability in connection with any use of this information. It is intended for use by persons having technical skill, at their own discretion and risk. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent right.

DuPont™, the DuPont Oval Logo, and all products, unless otherwise noted, denoted with ™, ® or ® are trademarks, service marks or registered trademarks of affiliates of DuPont de Nemours, Inc. Copyright © 2021 DuPont de Nemours Inc. All rights reserved.

EDS-NA0028-EN (03/21)