

DuPont™ Cyrel® EVO 2000 EC

Exposure unit



[DuPont Advanced Printing](#) continues to be a global technology leader in the development and supply of flexographic printing systems. Our R&D team continues to develop innovative new solutions to help our customers expand their business by taking advantage of new and profitable opportunities in the growing flexographic packaging market. The DuPont Packaging Graphics portfolio of products includes 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](#).

DuPont™ Cyrel® Systems: Higher quality at high speed.

The DuPont™ Cyrel® EVO 2000 EC is designed with customer needs in mind; it is easy to install, support, maintain and operate. It is robust, extremely cost effective and reliable.



DuPont™ Cyrel® EVO 2000 EC

Exposure Section

- Maximum plate size 1,200 x 1,600 mm (47" x 63")
- Clamshell design with automatic pneumatic lid that contains integral safety switches
- New lamps air cooling system with temperature control
- Optical fibers lamp control
- Temperature control sensor
- Newly designed control display for optional installation on right or left side of the unit
- Lamp pre-heating function
- Userfriendly back exposure test function

Product Features

DuPont™ Cyrel® EVO 2000 EC exposes high quality photopolymer plates up to a format of 1,200 x 1,600 mm (47" x 63").

The clamshell design holds 42 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 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.

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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 is a counter imbedded in the PLC to keep track of the number of hours the UV-A tubes have been in operation.

| Technical Data | | |
|---------------------------------|---|---|
| General | Details | Other Notes |
| Equipment Name | DuPont™ Cyrel® EVO 2000 EC | Cooled exposure, Clam shell |
| SAP Article Number | D15473012 | |
| Plate Thickness | up to 7.0 mm | up to 0.276 inch |
| Max. Nominal Plate Width | 1,200 mm (47") | |
| Max. Nominal Plate Length | 1,600 mm (63") | |
| UV-A Tubes Wave Length | 360 nm – 380 nm | 42 tubes, GMC M300506001 CY CNS LAMP, UVA, 80 W, 1.5 M |
| UV-C Tubes Wave Length | NA | |
| Electrical (Field Configurable) | 400 Volt – 50/60 Hz 230 Volt – 50/60 Hz | 3PH/N/PE 4.5kW 8A 3PH/PE 4.5kW 14A |
| Power (Nominal) | 4.5 kW | |
| Current (Nominal Load) | 8 Amp @ 400 Volt; 14 Amp @ 230 Volt | |
| Connecting Wires | 400 Volt configuration; 230 Volt configuration | 5G4 |
| Exhaust (Light Finisher) | NA | |
| 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 | 2,600 mm (102.4") | 2,930 mm (115.4") |
| W | 1,740 mm (68.5") | 1,930 mm (76.0") |
| H | 1,060 mm (41.7") | 1,590 mm (62.6") |
| H (open) | 2,450 mm (96.5") | |
| Weight | 920 kg (2,028 lbs) | Crated: 1,200 kg (2,646 lbs) |
| Colour | DuPont Grey & DuPont Red | |

www.cyrel.eu

For more information on DuPont™ Cyrel® or other DuPont Advanced Printing products, please contact your local representative.

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