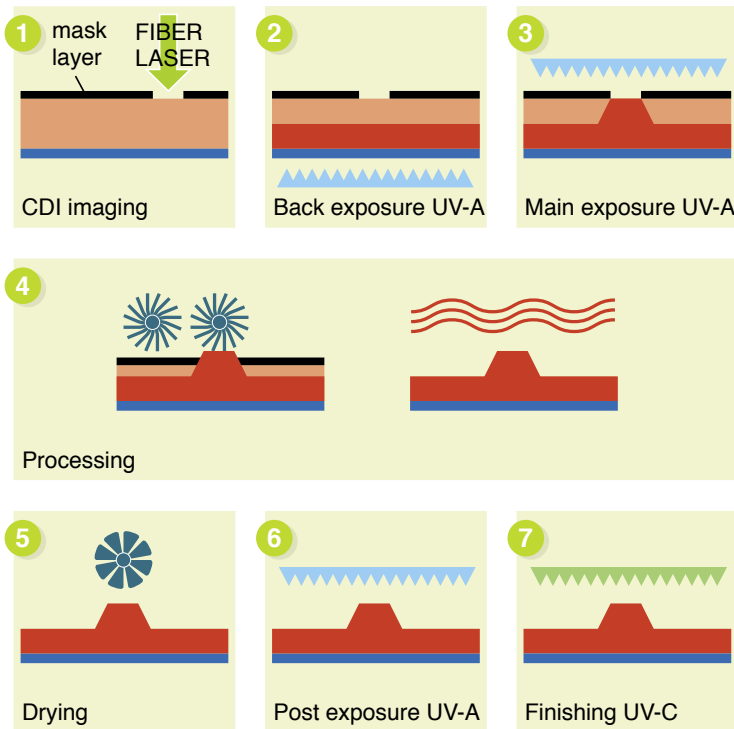


Esko-Graphics CDI Spark 4835 SecuFlex

Based on the award winning technology of the Dupont Cyrel™ Digital Imager (CDI), the CDI Spark 4835 SecuFlex delivers digital flexo plates suitable to be used for high-quality security printing applications.

The CDI Spark 4835 SecuFlex is available for plate formats 48" x 35" / 1200 x 900 mm. It is equipped with EasyClamp to securely hold down flexo plates of any thickness on the vacuum drum or a magnetic / magnetic-vacuum drum for steel-base letterpress plates.

The CDI images on Cyrel® and other digital flexo plates.



A digital flexo plate has a black mask layer (LAMS = Laser ablatable mask) incorporated on top of its surface, that is ablated inside the CDI using a high-power infrared laser.

After imaging, this mask replaces the traditional film negative, generating a so called "digital film". Through this integration of the image carrier, a digital flexo plate has sharper image definition and steeper dot and line shoulders than conventional plates produced with film. Image deterioration by UV light absorption and scattering in the traditional contacting through vacuum sheet and film is totally eliminated. This CDI technology provides a major breakthrough in enhanced output quality and consistency, with reduced overall process cost.

Technical specifications – Esko-Graphics CDI Spark 4835 SecuFlex

Type of imager

- External drum size:
Drum 4835: plate format
48" x 35" (1200 mm x 900 mm)
- Solid granite machine base
- High power Fiber Laser source,
Class 1 laser

Image quality

- Laser spot size: 6 µm
- Resolution range
4000 and 8000 ppi.

Productivity

- Imaging of a full size plate
(1.14 mm thickness):
Drum 4835: 68 min.
at 4000 and 8000 ppi
(on a DuPont Cyrel photopolymer
plate)

Engine Control

- Grapholas® on Intel PC with
Windows 2000.

Plates

- Cyrel® and other digital
flexo plates
- Thicknesses: 0.030" to 0.255" /
0.76 mm to 6.35 mm
- Sizes: 48" x 35" /
1200 mm x 900 mm (or smaller)

Letterpress Option available

- For steel-base Letterpress plates
(sizes up to 1200 mm x 900 mm)
- Magnetic drum with customized
register pin system for digital
steel-base Letterpress plates
- Magnetic-vacuum drum for all
digital polyester-base plates and
steel-base Letterpress plates

Machine dimensions

- Width: 82.7" / 2100 mm
- Depth: 43.3" / 1100 mm
(loading table closed)
66.9" / 1700 mm
(loading table opened)
- Height: 45.7" / 1160 mm
- Weight: 3300 lb. / 1500 kg

Installation requirements

- Separate vacuum and exhaust
system included
- No external compressed
air supply needed
- No external water cooling is
required
- Electrical:
230V/N/PE, 50/60 Hz, 3.6 kVA
(imager)
230V/N/PE, 50/60 Hz, 1.2 kVA
(exhaust unit)

All specifications are subject to alteration.