

CDI SecuFlex 4835

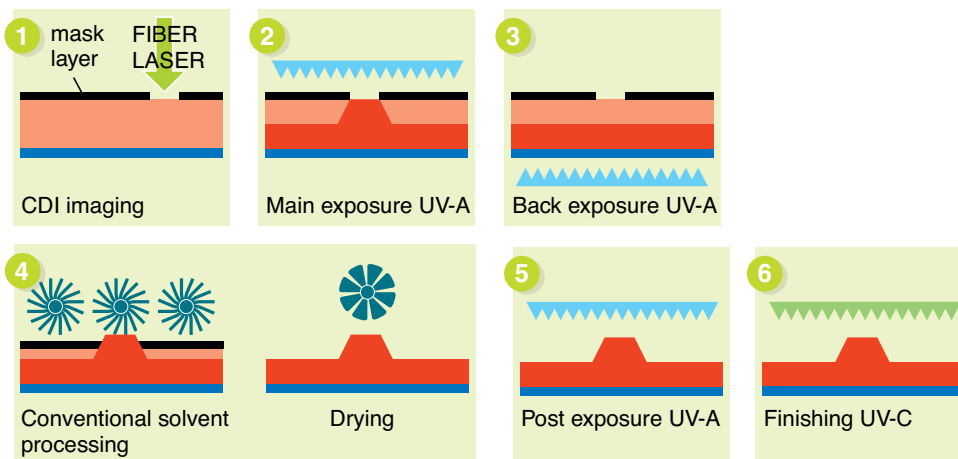
Technical specifications



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 for fast and most convenient plate loading on the vacuum drum. Optional a magnetic / magnetic-vacuum drum is available for steel-base Letterpress plates.

The CDI images on Cyrel® and other digital flexo plates



The digital flexo plate has a mask layer – sensitized to the CDI's laser light – on top of its surface. After imaging, this mask takes the function of the traditional film negative. Through the integration of the image carrier, a digital flexo plate has sharper image definition and steeper relief 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.

The CDI technology provides a major breakthrough in enhanced output quality and consistency, with reduced overall process cost.

Type of imager

- External drum design
- Drum 4835: plate format 48" x 35" / 1200 mm x 900 mm
- Cast granite machine base
- High power Fiber Laser source, Class 1 laser

Image quality

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

Engine control

Grapholas® on Intel PC with Windows 2000.

Plates

- All digital photopolymer plates, ablative film or polyester-base Letterpress plates
- Usable plate thickness: 0.030" to 0.255" / 0.76 mm to 6.35 mm
- Sizes up to 48" x 35" / 1200 x 900 mm (or smaller)

Letterpress optional

- Magnetic drum with customized register pin system for digital steel-base Letterpress plates (sizes up to 48" x 35" / 1200 x 900 mm or smaller)
- Magnetic-vacuum drum for all digital polyester-base plates and steel-base Letterpress plates (sizes up to 48" x 35" / 1200 x 900 mm or smaller)

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, 2.9 kVA (imager)
 - 230V/N/PE, 50/60 Hz, 1.2 kVA (exhaust unit)
 - 230V/N/PE, 50/60 Hz, 0.75 kVA (air compressor)

Productivity

Imaging times for digital flexo plates (format 48" x 35" / 1200 x 900 mm) at 4000 and 8000 ppi.

Imaging of a full size plate (1.14 mm thickness). Productivity can differ due to media and job conditions.

	SecuFlex Optics (1m ² /h) for 48" x 35"
Imaging time	68 min.