

CDI SecuFlex 2530

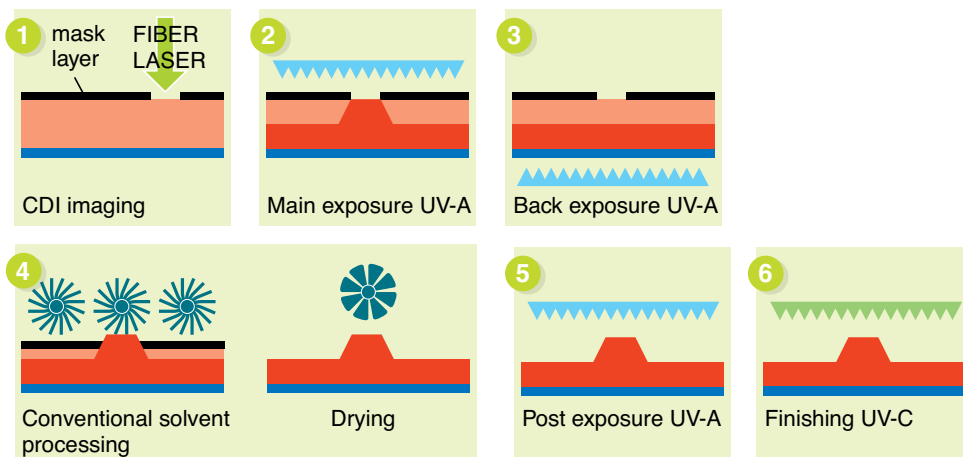
Technical specifications



Based on the award winning technology of the Dupont Cyrel™ Digital Imager (CDI), the CDI Spark 2530 SecuFlex delivers digital flexo plates suitable to be used for high-quality security printing applications.

The CDI Spark 2530 SecuFlex is available for plate formats 25" x 30" / 635 x 762 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 2530: plate format 25" x 30" / 635 mm x 762 mm or smaller
- Cast granite machine base
- High power Fiber Laser source, Class 1 laser

Image quality

- Laser spot size: 6 µm
- Resolution: 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
- Thicknesses: 0.030" to 0.255" / 0.76 mm to 6.35 mm
- Sizes: 25" x 30" / 635 mm x 762 mm (or smaller)

Productivity

Imaging times for digital flexo plates (format 25" x 30" / 635 x 762 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.

Letterpress optional

- Magnetic drum with customized register pin system for digital steel-base Letterpress plates (sizes up to 25" x 32" / 635 mm x 815 mm or smaller)
- Magnetic-vacuum drum for all digital polyester-base plates and steel-base Letterpress plates (sizes up to 25" x 32" / 635 mm x 815 mm or smaller)

Machine dimensions

- Width: 63" / 1600 mm
- Depth: 34.3" / 870 mm (loading table closed)
46.5" / 1180 mm (loading table open)
- Height: 42.1" / 1070 mm
- Weight: 2200 lb. /1000 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, 1.9 kVA (imager)
230V/N/PE, 50/60 Hz, 1.2 kVA (exhaust unit)

	SecuFlex Optics (1m ² /h) for 25" x 30"
Imaging time	30 min.