

# CDI SecuFlex 2530 and 4835

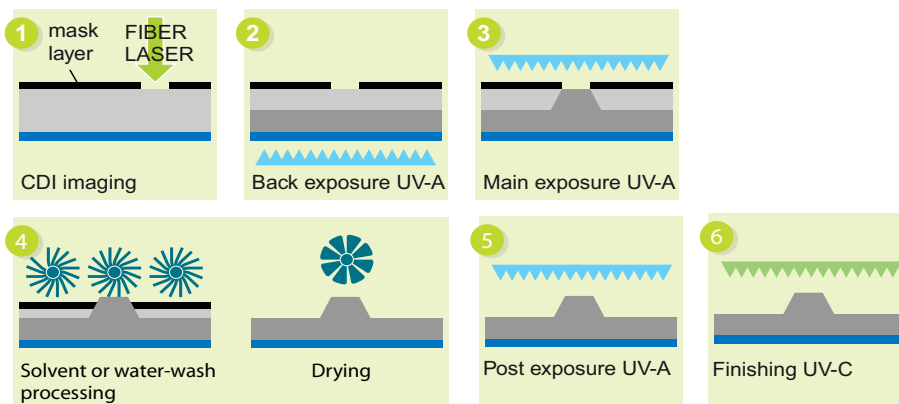
## Technical specifications



Based on the award winning technology of the Dupont Cyrel™ Digital Imager (CDI), the CDI SecuFlex 2530 and 4835 deliver digital flexo plates suitable to be used for high-quality security printing applications.

The CDI SecuFlex 2530 is available for plate formats 25" x 30" / 635 x 762 mm, the CDI SecuFlex 4835 for plate formats 48" x 35" / 1200 x 900 mm. They are both equipped with EasyClamp for fast and most convenient plate loading on the vacuum drum. Optionally a magnetic / magnetic-vacuum drum is available for steel-base Letterpress plates.

The CDI images on digital flexo, letterpress plates as well as ablative film



The digital flexo and letterpress plates have 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 a 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
- Drum 4835: plate format 48" x 35" / 1200 mm x 900 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 dpi.

### Engine control

Grapholas® on Intel PC with Windows 7.

### 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 2530: 25" x 30" / 635 mm x 762 mm (or smaller)
- Sizes 4835: up to 48" x 35" / 1200 mm x 900 mm (or smaller)

### Productivity

Imaging times for digital flexo plates: (format 25" x 30" / 635 x 762 mm), (format 48" x 35" / 1200 x 900 mm) at 4000 and 8000 dpi.

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 (2530: sizes up to 25" x 32" / 635 mm x 815 mm or smaller) (4835: sizes up to 48" x 35" / 1200 mm x 900 mm or smaller)
- Magnetic-vacuum drum for all digital polyester-base plates and steel-base Letterpress plates (2530: sizes up to 25" x 32" / 635 mm x 815 mm or smaller) (4835: sizes up to 48" x 35" / 1200 mm x 900 mm or smaller)

### Inline UV optional

Esko UV diode technology converts the UV Main Exposure from an uncontrollable analog process to a high precision digital process.

- Quality: excellent definition of dots and line work
- Consistency: highest consistency of exposure throughout the plate
- Controlled exposure: no changes in the distribution of the UV light due to aging
- Repeatability: equal plate quality from job to job and from plate to plate

### Machine dimensions 2530

- 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

### Machine dimensions 4835

- Width: 82.7" / 2100 mm
- Depth: 43.3" / 1100 mm (loading table closed) 66.9" / 1700 mm (loading table opened)
- Height: 45.7" / 1060mm
- 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 2530: 230V/N/PE, 50/60 Hz, 1.9 kVA (imager) 230V/N/PE, 50/60 Hz, 1.2 kVA (exhaust unit)
- Electrical 4835: 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)

	CDI SecuFlex 2530 SecuFlex Optics (1m <sup>2</sup> /h) for 25" x 30"	CDI SecuFlex 4835 SecuFlex Optics (1m <sup>2</sup> /h) for 48" x 35"
Imaging time	30 min.	68 min.