

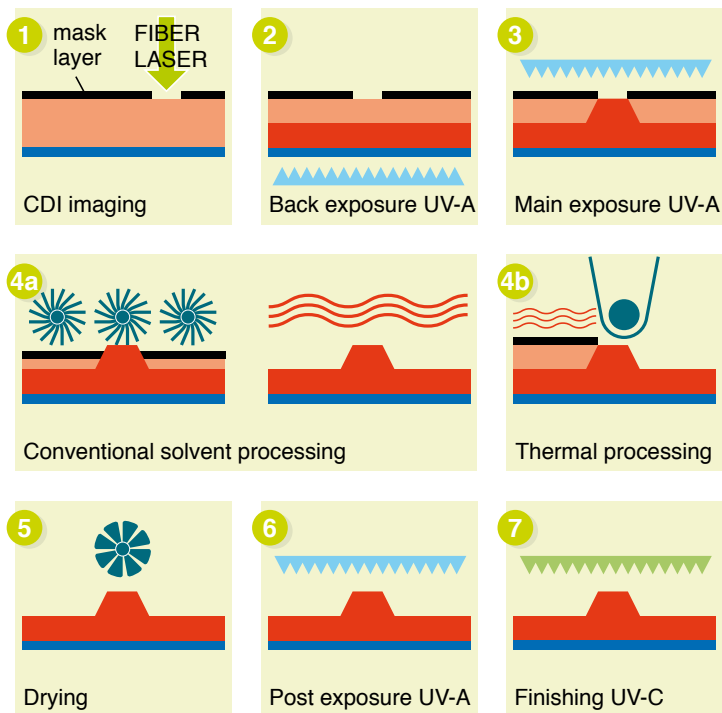
CDI Spark 2530

Technical specifications

Based on the FTA and GATF award winning technology of the Esko Cyrel™ Digital Imager (CDI), the premier and most productive device for flexo imaging, the CDI Spark 2530 specifically addresses the tag and label market, folding carton and small volume flexo plate producers in general.

Three productivity levels are available for the CDI Spark 2530: Optics 7.5 (0.75 m²/h), Optics 15 (1.5 m²/h) and Optics 25 (2.5 m²/h). The CDI Spark 2530 Optics 25 images a full size 25" x 30" / 635 x 762 mm plate of arbitrary thickness in just 15 minutes. The CDI Spark 2530 comes with EasyClamp, to securely hold down flexo plates of any thickness on the vacuum drum.

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.



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

Type of imager

- External drum design
- Drum size: max. plate format 25" x 30" / 635 mm x 762 mm or smaller
- Solid granite machine base
- High power Fiber Laser source, Class 1 laser

Image quality

- Screen rulings: up to 200 lpi, depending on imaging resolution
- Halftone 1-99%
- Resolutions: fully variable from 2000 to 4000 ppi on job-to-job base

Engine control

Grapholas® on Intel PC with Windows 2000.

The input file format is LEN or TIFF, compatible with all CDI family members.

Productivity

Imaging times for DuPont Cyrel® digital flexo plates (format 25" x 30" / 635 x 762 mm) at 2540 ppi. Productivity can differ due to media and job conditions.

RIP SW & input format

- Optional FlexRip 2530
- Adobe®-certified PostScript/PDF input channel with Esko screens (circular, square round, elliptical)
- Additional Esko screens and proofing modules available

Plates

- All digital photopolymer plates or ablative film
- Usable plate thickness: 0.030" to 0.255" / 0.76 mm to 6.35 mm
- Sizes up to: 25" x 30" / 635 mm x 762 mm (or smaller)

Letterpress option available

- For steel-base Letterpress plates (sizes up to 635 x 815 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

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)

	Optics 7.5 (0.75m ² /h)	Optics 15 (1.5m ² /h)	Optics 25 (2.5m ² /h)
Imaging time	39 min.	20 min.	12 min.