

CDI Spark 2530

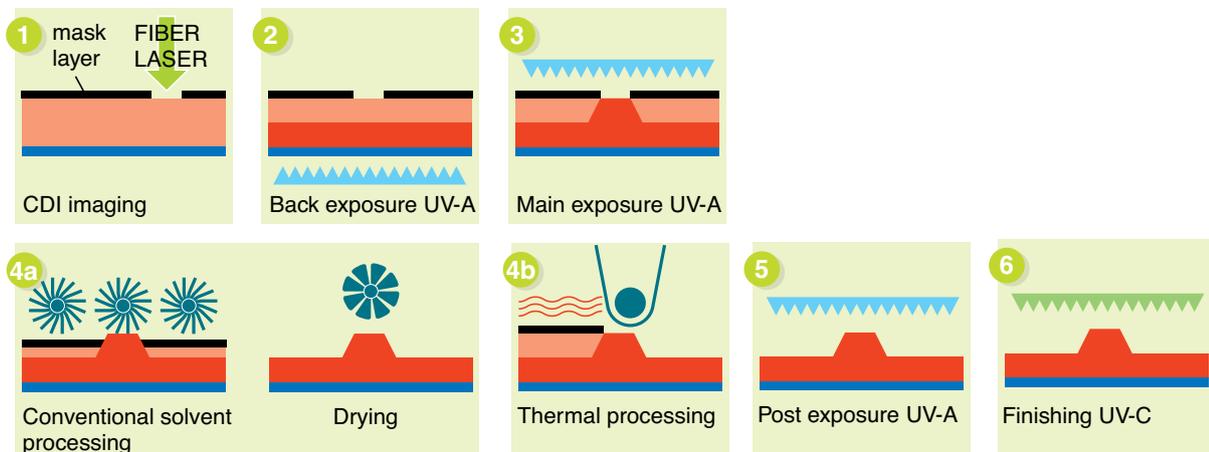
Technical specifications



Based on the FTA and GATF award winning technology of the 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.

Two productivity levels are available for the CDI Spark 2530: 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 12 minutes. The CDI Spark 2530 comes with EasyClamp for fast and most convenient plate loading on the vacuum drum.

Imaging digital flexo plates on the CDI



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 size: max. 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

- Screen rulings: up to 250 lpi, depending on imaging resolution
- Halftone 1-99%
- Standard Optics: fully variable from 2000 to 2540 ppi on job-to-job base
HighRes Optics: fully variable from 2540 to 4000 ppi on job-to-job base

Engine control

Grapholas® on Intel PC with Windows XP.

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

RIP and Screening options

- Optional FlexRip 2530
- Industry standard PostScript/PDF RIP
- Quality screening optimized for flexo and letterpress (Circular, Double Circular dots) included in the RIP
- PerfectHighlights screening option for the finest highlight quality in flexo
- Additional screening and proofing modules available

Plates

- All digital photopolymer plates, ablative film or polyester-base Letterpress plates
- Usable plate thickness: 0.030" to 0.155" (0.76 to 3.94 mm)
- Sizes up to: 25" x 30" / 635 mm x 762 mm (or smaller)

Letterpress optional

- Magnetic drum with customized register pin system for digital steel-base Letterpress plates (sizes up to 25" x 32" / 635 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 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)

Productivity

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

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