

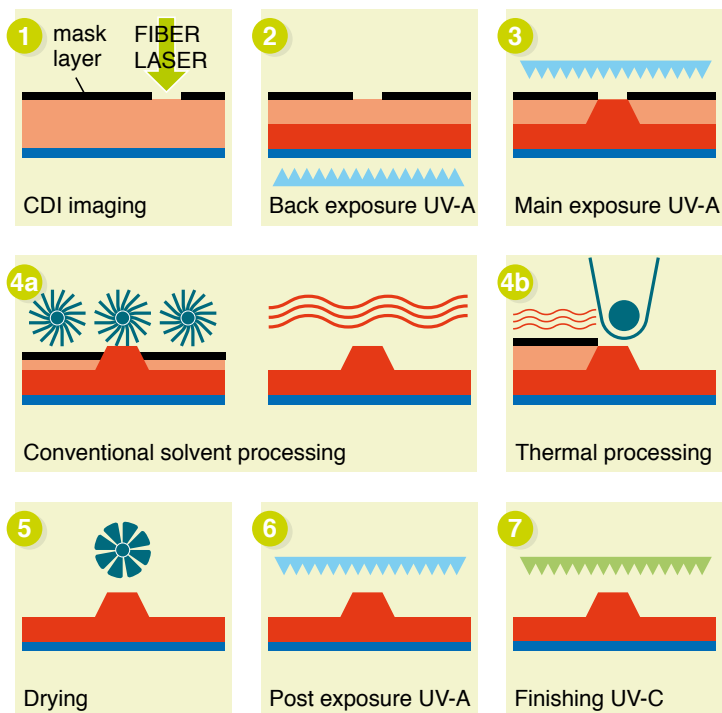
CDI Spark 2120

Technical specifications

The CDI Spark 2120 specifically addresses the tag and label market. It images a full size 21" x 20" / 533 x 508 mm plate of arbitrary thickness in 16 minutes 15 seconds.

The CDI Spark 2120 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: 45.7" / 1160 mm
- Depth: 27.6" / 700 mm
- Height: 41.3" / 1050 mm
- Weight: 705 lb / 320 kg

Type of imager

- External drum design
- 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 2540 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.

RIP SW & input format

- Built-in FlexRip 2120
- Adobe®-certified PostScript/PDF input channel with Esko screens (circular, square round, elliptical)
- Additional Esko screens and proofing modules available

Scope

Other Scope modules easily click into the FlexRip2120 to suit your Step & Repeat and production automation requirements.

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
- Plate sizes depending on drum design

Installation requirements

- Separate vacuum system and exhaust unit included
- No external compressed air supply needed
- No external water cooling is required
- Electrical:
 - 230V/N/PE, 50/60 Hz, 1.3 kVA (imager)
 - 230V/N/PE, 50/60 Hz, 1.2 kVA (exhaust unit)

Productivity

Imaging times for DuPont Cyrel® digital flexo plates (format 21" x 20" / 533 x 508mm) at 2540 ppi. Productivity can differ due to media and job conditions.

	Optics 10 (1m²/h)
Imaging time	16 min. 15 sec.