

CDI Spark 2120

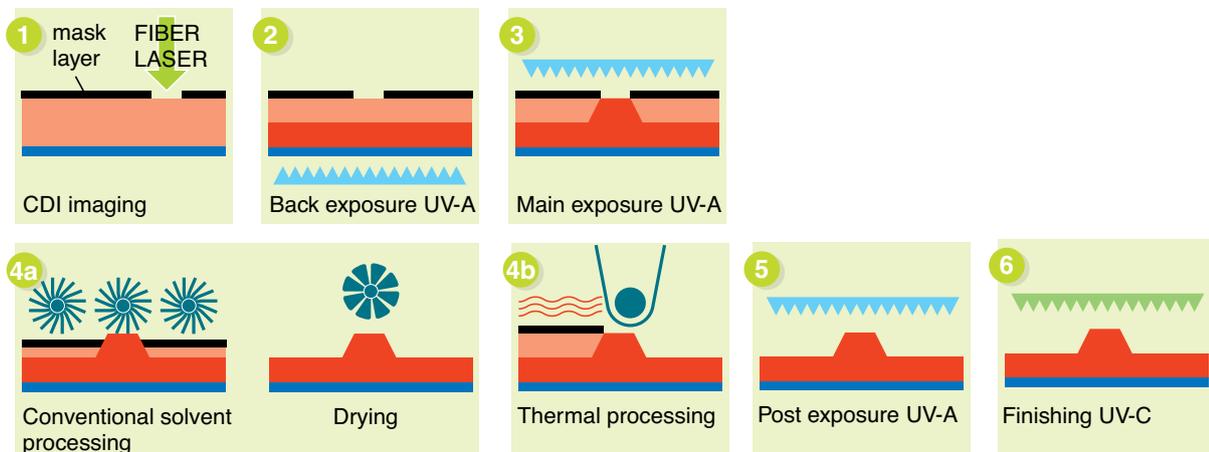
Technical specifications



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 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 21" x 20" / 533 x 508 mm
- 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 2120
- Industry standard PostScript/PDF RIP
- Quality screening optimized for flexo (Circular, Double Circular dots) included in the RIP
- PerfectHighlights screening option for the finest highlight quality in flexo
- Additional screening and proofing modules available

Esko Software Suite 7

Other Esko Software Suite 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 0.155" (0.76 to 3.94 mm)
- Size up to 21" x 20" / 533 x 508 mm (or smaller)

Letterpress (optional)

Magnetic drum with customized register pin system for digital steel-base Letterpress plates (sizes up to 21" x 20" / 533 x 508 mm)

Machine dimensions

- Width: 45.7" / 1160 mm
- Depth: 27.6" / 700 mm
- Height: 41.3" / 1050 mm
- Weight: 705 lb / 320 kg

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 digital flexo plates (21" x 20" / 533 x 508 mm) at 2540ppi
Productivity can differ due to media and job conditions.

| | Optics 10 (1m ² /h) |
|--------------|--------------------------------|
| Imaging time | 16 min. 15 sec. |