



# CDI Spark Family

CDI Spark

1712



CDI Spark

2120



Type of imager			
Image quality	<ul style="list-style-type: none"> <li>• Standard Optics: fully variable from 2000 to 2540 ppi on job-to-job base</li> <li>• HighRes Optics: fully variable from 2400 to 4000ppi</li> <li>• Screen rulings: up to 250 lpi, depending on imaging resolution</li> <li>• Halftone 1-99%</li> </ul>		
Engine control			
RIP & Screening options	<ul style="list-style-type: none"> <li>• Optional Imaging Engine 1712</li> <li>• Quality screening optimized for flexo and letterpress included in the RIP</li> <li>• Imaging Engine CDI includes round, circular, double circular, elliptical screens</li> <li>• HD Flexo option for the better print quality in flexo</li> <li>• Additional screening and proofing modules available</li> </ul>	<ul style="list-style-type: none"> <li>• Optional Imaging Engine 2120</li> <li>• Quality screening optimized for flexo and letterpress(Circular, Double Circular dots)included in the RIP</li> <li>• Imaging Engine CDI includes round, circular, double circular, elliptical screens</li> <li>• HD Flexo option for the better print quality in flexo</li> <li>• Additional screening and proofing modules available</li> </ul>	
Optics /Productivity 2400/2540 ppi	<p>7.5 0.75 m<sup>2</sup>/h</p>	<p>7.5 0.75 m<sup>2</sup>/h</p>	<p>10 1.0 m<sup>2</sup>/h</p>
Optics 100v2 2400/2540 ppi			
Optics /Productivity 4000ppi	<p>7.5 0.75 m<sup>2</sup>/h</p>	<p>7.5 0.75 m<sup>2</sup>/h</p>	<p>10 1.0 m<sup>2</sup>/h</p>
Plates	<ul style="list-style-type: none"> <li>• All digital photopolymer plates, ablative film or polyester-base Letterpress plates</li> <li>• Usable plate thickness: 0.030" to 0.100" / 0.76 to 2.54 mm</li> <li>• Sizes up to 16.53" x 11.81" / 420 x 300 mm</li> </ul>	<ul style="list-style-type: none"> <li>• All digital photopolymer plates, ablative film or polyester-base Letterpress plates</li> <li>• Usable plate thickness: 0.030" to 0.100" / 0.76 to 2.54 mm</li> <li>• Sizes up to 21" x 20" / 533 x 508 mm or smaller</li> </ul> <p><b>Letterpress optional</b> Magnetic drum with customized register pin system for digital steel-base Letterpress plates (sizes up to 21" x 20" / 533 x 508 mm or smaller)</p>	
Machine dimensions	<p>Width 33.85" / 860 mm Depth 27.75" / 705 mm Height 38.97" / 990 mm</p> <p>Weight 661 lb / 300 kg</p>	<p>Width 45.7" / 1160 mm Depth 27.6" / 700 mm Height 41.3" / 1050 mm</p> <p>Weight 705 lb / 320 kg</p>	
Installation requirements	<ul style="list-style-type: none"> <li>• Separate vacuum system and exhaust unit included</li> <li>• Electrical: Imager: 230V/N/PE, 50/60 Hz Exhaust: 90-250V/N/PE, 50/60 Hz; 1.2 kVA</li> </ul>	<ul style="list-style-type: none"> <li>• Separate vacuum system and exhaust unit included</li> <li>• Electrical: Imager: 230V/N/PE, 50/60 Hz Exhaust unit: 230V/N/PE, 50/60Hz, 1.2 kVA</li> </ul>	

CDI Spark

2420



CDI Spark

2530



CDI Spark

4835



- High power Fiber Laser source, Class 1 laser

- External drum design with vacuum system and EasyClamp

- Standard Optics
- HighRes Optics
- Halftone 1-99%

- Grapholas® on Intel PC with Windows 7. The input file format is LEN or TIFF, compatible with all CDI family members.

- Optional Imaging Engine 2420
- Quality screening optimized for flexo (Circular, Double Circular dots) included in the RIP
- Imaging Engine CDI includes round, circular, double circular, elliptical screens
- Additional screening and proofing modules available

- Optional Imaging Engine 2530
- Quality screening optimized for flexo and letterpress (Circular, Double Circular dots) included in the RIP
- Imaging Engine CDI includes round, circular, double circular, elliptical screens
- HD Flexo option for the better print quality in flexo
- Additional screening and proofing modules available

7.5 0.75 m<sup>2</sup>/h      15 1.5 m<sup>2</sup>/h  
 10 1.0 m<sup>2</sup>/h

7.5 0.75 m<sup>2</sup>/h      15 1.5 m<sup>2</sup>/h  
 10 1.0 m<sup>2</sup>/h      25 2.5 m<sup>2</sup>/h

15 1.5 m<sup>2</sup>/h      25 2.5 m<sup>2</sup>/h  
 40 4.0 m<sup>2</sup>/h

7.5 0.75 m<sup>2</sup>/h      15 1.5 m<sup>2</sup>/h  
 10 1.0 m<sup>2</sup>/h

7.5 0.75 m<sup>2</sup>/h      15 1.5 m<sup>2</sup>/h  
 10 1.0 m<sup>2</sup>/h      25 2.5 m<sup>2</sup>/h

15 1.5 m<sup>2</sup>/h      25 2.5 m<sup>2</sup>/h  
 40 4.0 m<sup>2</sup>/h

- All digital photopolymer plates, ablative film or polyester-base Letterpress plates
- Usable plate thickness: 0.030" to 0.100" / 0.76 to 2.54 mm
- Size up to 24" x 20" / 609 x 508 mm (or smaller)

**Letterpress optional**

Magnetic drum with customized register pin system for digital steel-base Letterpress plates (sizes up to 24" x 20" / 609 x 508 mm or smaller)  
 Magnetic-vacuum drum for all digital polyester-base plates and steel-base Letterpress plates (sizes up to 24" x 20" / 609 x 508 mm or smaller)

- 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 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)

- All digital photopolymer plates, ablative film or polyester-base Letterpress plates
- Usable plate thickness: 0.030" to 0.155" / 0.76 to 6.35 mm
- Sizes up to 48" x 35" / 1200 x 900 mm or smaller

**Letterpress optional**

Magnetic drum with customized register pin system for digital steel-base Letterpress plates (sizes up to 48" x 35" / 1200 x 900 mm or smaller)  
 Magnetic-vacuum drum for all digital polyester-base plates and steel-base Letterpress plates (sizes up to 48" x 35" / 1200 x 900 mm or smaller)

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

Width 68" / 1730 mm  
 Depth 37.8" / 960 mm (loading table closed)  
 49.6" / 1260 mm (loading table open)  
 Height 44.4" / 1128 mm  
 Weight 2380 lb / 1080 kg

Width 82.2" / 2090 mm (up to Optics 80)  
 Depth 67" / 1710 mm  
 Height 46.9" / 1190 mm  
 Weight 2932 lb / 1330 kg

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

- Separate vacuum system and exhaust unit included
- Electrical:  
 Imager: 230V/N/PE, 50/60 Hz  
 Exhaust unit: 230V/N/PE, 50/60Hz, 1.2 kVA

- Separate vacuum system, exhaust unit and compressed air device included
- External compressed air device supplied
- Electrical:  
 Imager: 230V/N/PE, 50/60 Hz  
 Exhaust unit: 230V/N/PE, 50/60Hz  
 Air compressor: 230V/N/PE, 50/60 Hz



CDI Spark

4260



CDI Spark

5080



Resolution: fully variable from 2000 to 2540 ppi on job-to-job base  
 Speed: fully variable from 2400 to 5080 ppi on job-to-job base (up to 6m<sup>2</sup>/h @ 4000 ppi)

- Optional Imaging Engine
- Quality screening optimized for flexo (Circular, Double Circular dots) included in the RIP
- Imaging Engine CDI includes round, circular, double circular, elliptical screens
- HD Flexo Screening option for the better print quality inflexo
- Additional screening and proofing modules available

<p>2.5 m<sup>2</sup>/h</p> <p>80v2 8.0 m<sup>2</sup>/h</p>	<p>15 1.5 m<sup>2</sup>/h</p> <p>40 4.0 m<sup>2</sup>/h</p> <p>25 2.5 m<sup>2</sup>/h</p> <p>80v2 8.0 m<sup>2</sup>/h</p>	<p>15 1.5 m<sup>2</sup>/h</p> <p>40 4.0 m<sup>2</sup>/h</p> <p>25 2.5 m<sup>2</sup>/h</p> <p>80v2 8.0 m<sup>2</sup>/h</p>
	<ul style="list-style-type: none"> <li>• For corrugated only</li> <li>• Includes Optics 80v2</li> <li>• Up to 133 lpi</li> </ul> <p>100v2 10.0 m<sup>2</sup>/h</p>	<ul style="list-style-type: none"> <li>• For corrugated only</li> <li>• Includes Optics 80v2</li> <li>• Up to 133 lpi</li> </ul> <p>100v2 10.0 m<sup>2</sup>/h</p>
<p>2.5 m<sup>2</sup>/h</p> <p>80v2 6.0 m<sup>2</sup>/h</p>	<p>15 1.5 m<sup>2</sup>/h</p> <p>40 4.0 m<sup>2</sup>/h</p> <p>25 2.5 m<sup>2</sup>/h</p> <p>80v2 6.0 m<sup>2</sup>/h</p>	<p>15 1.5 m<sup>2</sup>/h</p> <p>40 4.0 m<sup>2</sup>/h</p> <p>25 2.5 m<sup>2</sup>/h</p> <p>80v2 6.0 m<sup>2</sup>/h</p>
<p>ablative film or polyester-base            0.255" /            or smaller</p> <p>pin system            (sizes up            to 42")</p> <p>polyester-base            plates (sizes            up to 42")</p>	<ul style="list-style-type: none"> <li>• All digital photopolymer plates, ablative film or polyester-base Letterpress plates</li> <li>• Usable plate thickness: 0.030" to 0.255" / 0.76 to 6.35 mm</li> <li>• Sizes: up to 42" x 60" / 1067 x 1524 mm or smaller</li> </ul>	<ul style="list-style-type: none"> <li>• All digital photopolymer plates, ablative film or polyester-base Letterpress plates</li> <li>• Usable plate thickness: 0.030" to 0.255" / 0.76 to 6.35 mm</li> <li>• Sizes: up to 50" x 80" / 1270 x 2032 mm or smaller</li> </ul>
<p>Width 110.2" / 2800 mm</p> <p>Depth 43.3" / 1100 mm (cover closed)            65.8" / 1670 mm (cover open)</p> <p>Height 45.7" / 1160 mm</p> <p>Weight 3968 lb / 1800 kg</p>	<p>Width 127.9" / 3250 mm</p> <p>Depth 68.8" / 1750 mm (cover closed)            74.4" / 1890 mm (cover open)</p> <p>Height 39.5" / 1005 mm</p> <p>Weight 5500 lb / 2500 kg</p>	
<p>Separate vacuum system, exhaust unit and external compressed air device included</p> <p>No external water cooling is required</p> <p>Electrical:            Imager: 230V/N/PE, 50/60 Hz            Exhaust unit: 230V/N/PE, 50/60Hz, 1.2 kVA            Air compressor: 230V/N/PE, 50/60Hz, 0.75 kVA</p>	<p>Separate vacuum system, exhaust unit and external compressed air device included</p> <p>No external water cooling is required</p> <p>Electrical:            Imager: 230V/N/PE, 50/60 Hz            Exhaust unit: 230V/N/PE, 50/60Hz, 1.2 kVA            Air compressor: 230V/N/PE, 50/60Hz, 0.75 kVA</p>	

# One single machine for all your media

The CDI Spark family offers a wide range of digital flexo imagers for plates for different markets: from a small footprint imager to very large, for the tag and label, flexible packaging, small and medium folding carton to corrugated market.

You can choose and configure a CDI to match your current production needs, and expand capabilities as your business grows. The CDI Spark family can accommodate all plate sizes and you can choose any brand of digital plate and processing method.

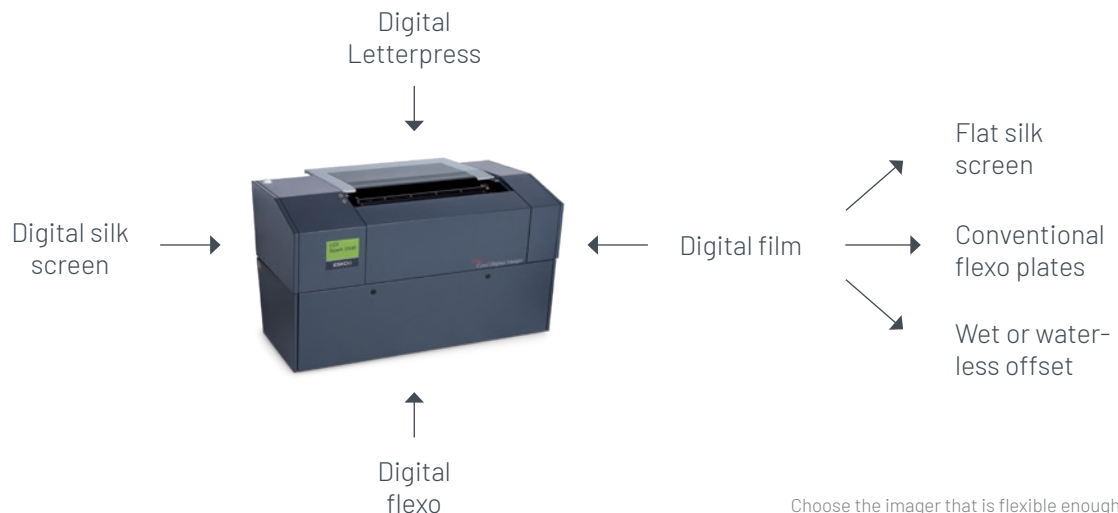
Our market-leading machines can image digital (LAMS coated) flexo plate (polyester- and, optional, metal based), digital silk screens and chemistry-free film.

- **Digital flexo plates:** DuPont, Asahi, Mac Dermid, Dantex, Flint, Fuji, Huaguang, Jet, Nihon Denshi Seiki, TOK, Toray, Toyobo and others

- **Digital letterpress plates** (metal and polyester based): Dantex, Flint, Miraclon, TOK, Toray, Toyobo and others
- **Digital varnishing plates:** DuPont, Flint and others
- **Film:** PCI (Laserpoint II), Folex AG (LADF 0175) and others
- **Rotary screen:** Gallus Screeny and others

## Plate handling

- Integrated plate loading tables at all CDI models.
- Plate clamping drums at all CDI models.
- Optional: EasyLoad tables for safe and comfortable plate transportation.



Choose the imager that is flexible enough to image virtually any material.

# Take control over the plate making room

The CDI Spark can also be coupled with the innovative Esko XPS Crystal exposing unit, which optimally combines UV main and back exposure. This combination delivers a perfect, consolidated flexo platemaking workflow with benefits including:

- 50% reduction in **manual steps**
- Significantly **less plate waste**, with errors reduced by 50%
- Improved efficiency with **operator time reduced** by 73%

