



CDI Spark Family

	<div>CDI Spark</div> <div>1712</div> <div></div>	<div>CDI Spark</div> <div>2120</div> <div></div>	<div>CDI Spark</div> <div>2420</div> <div></div>	<div>CDI Spark</div> <div>2530</div> <div></div>	<div>CDI Spark</div> <div>4835</div> <div></div>	<div>CDI Spark</div> <div>4260</div> <div></div>	<div>CDI Spark</div> <div>5080</div> <div></div>
Type of imager	<div><div><ul style="list-style-type: none">High power Fiber Laser source, Class 1 laser</div><div><ul style="list-style-type: none">External drum design with vacuum system and EasyClamp</div></div>						
Image quality	<div><ul style="list-style-type: none">Standard Optics: fully variable from 2000 to 2540 ppi on job-to-job baseHighRes Optics: fully variable from 2400 to 4000ppiScreen rulings: up to 250 lpi, depending on imaging resolutionHalftone 1-99%</div>			<div><ul style="list-style-type: none">Standard Optics: fully variable from 2000 to 2540 ppi on job-to-job baseHighRes Optics: fully variable from 2400 to 5080 ppi on job-to-job base (up to 6m2/h @ 4000 ppi)Halftone 1-99%</div>			
Engine control	<div><ul style="list-style-type: none">Grapholas® on Intel PC with Windows 7. The input file format is LEN or TIFF, compatible with all CDI family members.</div>						
RIP & Screening options	<div><ul style="list-style-type: none">Optional Imaging Engine 1712Quality screening optimized for flexo and letterpress included in the RIPImaging Engine CDI includes round, circular, double circular, elliptical screensHD Flexo option for the better print quality in flexoAdditional screening and proofing modules available</div>	<div><ul style="list-style-type: none">Optional Imaging Engine 2120Quality screening optimized for flexo and letterpress(Circular, Double Circular dots)included in the RIPImaging Engine CDI includes round, circular, double circular, elliptical screensHD Flexo option for the better print quality in flexoAdditional screening and proofing modules available</div>	<div><ul style="list-style-type: none">Optional Imaging Engine 2420Quality screening optimized for flexo (Circular, Double Circular dots)included in the RIPImaging Engine CDI includes round, circular, double circular, elliptical screensAdditional screening and proofing modules available</div>	<div><ul style="list-style-type: none">Optional Imaging Engine 2530Quality screening optimized for flexo and letterpress(Circular, Double Circular dots)included in the RIPImaging Engine CDI includes round, circular, double circular, elliptical screensHD Flexo option for the better print quality in flexoAdditional screening and proofing modules available</div>	<div><ul style="list-style-type: none">Optional Imaging EngineQuality screening optimized for flexo (Circular, Double Circular dots)included in the RIPImaging Engine CDI includes round, circular, double circular, elliptical screensHD Flexo Screening option for the better print quality inflexoAdditional screening and proofing modules available</div>		
Optics /Productivity 2400/2540 ppi	<div><div>7.5</div><div>0.75 m²/h</div></div>	<div><div>7.5</div><div>0.75 m²/h</div><div>10</div><div>1.0 m²/h</div></div>	<div><div>7.5</div><div>0.75 m²/h</div><div>10</div><div>1.0 m²/h</div><div>15</div><div>1.5 m²/h</div></div>	<div><div>7.5</div><div>0.75 m²/h</div><div>10</div><div>1.0 m²/h</div><div>15</div><div>1.5 m²/h</div><div>25</div><div>2.5 m²/h</div></div>	<div><div>15</div><div>1.5 m²/h</div><div>25</div><div>2.5 m²/h</div><div>40</div><div>4.0 m²/h</div><div>80v2</div><div>8.0 m²/h</div></div>	<div><div>15</div><div>1.5 m²/h</div><div>25</div><div>2.5 m²/h</div><div>40</div><div>4.0 m²/h</div><div>80v2</div><div>8.0 m²/h</div></div>	<div><div>15</div><div>1.5 m²/h</div><div>25</div><div>2.5 m²/h</div><div>40</div><div>4.0 m²/h</div><div>80v2</div><div>8.0 m²/h</div></div>
Optics 100v2 2400/2540 ppi						<div><ul style="list-style-type: none">For corrugated onlyIncludes Optics 80v2Up to 133 lpi</div> <div><div>100v2</div><div>10.0 m²/h</div></div>	<div><ul style="list-style-type: none">For corrugated onlyIncludes Optics 80v2Up to 133 lpi</div> <div><div>100v2</div><div>10.0 m²/h</div></div>
Optics /Productivity 4000ppi	<div><div>7.5</div><div>0.75 m²/h</div></div>	<div><div>7.5</div><div>0.75 m²/h</div><div>10</div><div>1.0 m²/h</div></div>	<div><div>7.5</div><div>0.75 m²/h</div><div>10</div><div>1.0 m²/h</div><div>15</div><div>1.5 m²/h</div></div>	<div><div>7.5</div><div>0.75 m²/h</div><div>10</div><div>1.0 m²/h</div><div>15</div><div>1.5 m²/h</div><div>25</div><div>2.5 m²/h</div></div>	<div><div>15</div><div>1.5 m²/h</div><div>25</div><div>2.5 m²/h</div><div>40</div><div>4.0 m²/h</div><div>80v2</div><div>6.0 m²/h</div></div>	<div><div>15</div><div>1.5 m²/h</div><div>25</div><div>2.5 m²/h</div><div>40</div><div>4.0 m²/h</div><div>80v2</div><div>6.0 m²/h</div></div>	<div><div>15</div><div>1.5 m²/h</div><div>25</div><div>2.5 m²/h</div><div>40</div><div>4.0 m²/h</div><div>80v2</div><div>6.0 m²/h</div></div>
Plates	<div><ul style="list-style-type: none">All digital photopolymer plates, ablative film or polyester-base Letterpress platesUsable plate thickness: 0.030" to 0.100" / 0.76 to 2.54 mmSizes up to 16.53" x 11.81" / 420 x 300 mm</div>	<div><ul style="list-style-type: none">All digital photopolymer plates, ablative film or polyester-base Letterpress platesUsable plate thickness: 0.030" to 0.100" / 0.76 to 2.54 mmSizes up to 21" x 20" / 533 x 508 mm or smaller</div> <div><div>Letterpress optional</div><div>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)</div></div>	<div><ul style="list-style-type: none">All digital photopolymer plates, ablative film or polyester-base Letterpress platesUsable plate thickness: 0.030" to 0.100" / 0.76 to 2.54 mmSize up to 24" x 20" / 609 x 508 mm (or smaller)</div> <div><div>Letterpress optional</div><div>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)</div><div>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)</div></div>	<div><ul style="list-style-type: none">All digital photopolymer plates, ablative film or polyester-base Letterpress platesUsable plate thickness: 0.030" to 0.155" / 0.76 to 3.94 mmSizes: up to 25" x 30" / 635 x 762 mm or smaller</div> <div><div>Letterpress optional</div><div>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)</div><div>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)</div></div>	<div><ul style="list-style-type: none">All digital photopolymer plates, ablative film or polyester-base Letterpress platesUsable plate thickness: 0.030" to 0.255" / 0.76 to 6.35 mmSizes up to 48" x 35" / 1200 x 900 mm or smaller</div> <div><div>Letterpress optional</div><div>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)</div><div>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)</div></div>	<div><ul style="list-style-type: none">All digital photopolymer plates, ablative film or polyester-base Letterpress platesUsable plate thickness: 0.030" to 0.255" / 0.76 to 6.35 mmSizes: up to 42" x 60" / 1067 x 1524 mm or smaller</div>	<div><ul style="list-style-type: none">All digital photopolymer plates, ablative film or polyester-base Letterpress platesUsable plate thickness: 0.030" to 0.255" / 0.76 to 6.35 mmSizes: up to 50" x 80" / 1270 x 2032 mm or smaller</div>
Machine dimensions	<div><div><div>Width</div><div>33.85" / 860 mm</div></div><div><div>Depth</div><div>27.75" / 705 mm</div></div><div><div>Height</div><div>38.97" / 990 mm</div></div><div><div>Weight</div><div>661 lb / 300 kg</div></div></div>	<div><div><div>Width</div><div>45.7" / 1160 mm</div></div><div><div>Depth</div><div>27.6" / 700 mm</div></div><div><div>Height</div><div>41.3" / 1050 mm</div></div><div><div>Weight</div><div>705 lb / 320 kg</div></div></div>	<div><div><div>Width</div><div>45.7" / 1160 mm</div></div><div><div>Depth</div><div>27.6" / 700 mm</div></div><div><div>Height</div><div>41.3" / 1050 mm</div></div><div><div>Weight</div><div>705 lb / 320 kg</div></div></div>	<div><div><div>Width</div><div>68" / 1730 mm</div></div><div><div>Depth</div><div>37.8" / 960 mm (loading table closed)</div><div>49.6" / 1260 mm (loading table open)</div></div><div><div>Height</div><div>44.4" / 1128 mm</div></div><div><div>Weight</div><div>2380 lb / 1080 kg</div></div></div>	<div><div><div>Width</div><div>82.2" / 2090 mm (up to Optics 40)</div><div>91.3 / 2320 mm (Optics 80)</div></div><div><div>Depth</div><div>67" / 1710 mm</div></div><div><div>Height</div><div>46.9" / 1190 mm</div></div><div><div>Weight</div><div>2932 lb / 1330 kg</div></div></div>	<div><div><div>Width</div><div>110.2" / 2800 mm</div></div><div><div>Depth</div><div>43.3" / 1100 mm (cover closed)</div><div>65.8" / 1670 mm (cover open)</div></div><div><div>Height</div><div>45.7" / 1160 mm</div></div><div><div>Weight</div><div>3968 lb / 1800 kg</div></div></div>	<div><div><div>Width</div><div>127.9" / 3250 mm</div></div><div><div>Depth</div><div>68.8" / 1750 mm (cover closed)</div><div>74.4" / 1890 mm (cover open)</div></div><div><div>Height</div><div>39.5" / 1005 mm</div></div><div><div>Weight</div><div>5500 lb / 2500 kg</div></div></div>
Installation requirements	<div><ul style="list-style-type: none">Separate vacuum system and exhaust unit includedElectrical: Imager: 230V/N/PE, 50/60 Hz Exhaust: 90-250V/N/PE, 50/60 Hz; 1.2 kVA</div>	<div><ul style="list-style-type: none">Separate vacuum system and exhaust unit includedElectrical: Imager: 230V/N/PE, 50/60 Hz Exhaust unit: 230V/N/PE, 50/60Hz, 1.2 kVA</div>	<div><ul style="list-style-type: none">Separate vacuum system and exhaust unit includedNo external compressed air supply neededNo external water cooling is requiredElectrical: Imager: 230V/N/PE, 50/60 Hz Exhaust unit: 230V/N/PE, 50/60 Hz, 1.2 kVA</div>	<div><ul style="list-style-type: none">Separate vacuum system and exhaust unit includedElectrical: Imager: 230V/N/PE, 50/60 Hz Exhaust unit: 230V/N/PE, 50/60Hz, 1.2 kVA</div>	<div><ul style="list-style-type: none">Separate vacuum system, exhaust unit and external compressed air device includedExternal compressed air device supplied with the systemElectrical: Imager: 230V/N/PE, 50/60 Hz Exhaust unit: 230V/N/PE, 50/60Hz, 1.1 kVA Air compressor: 230V/N/PE, 50/60Hz, 0.75 kVA</div>	<div><ul style="list-style-type: none">Separate vacuum system, exhaust unit and external compressed air device includedNo external water cooling is requiredElectrical: 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</div>	<div><ul style="list-style-type: none">Separate vacuum system, exhaust unit and external compressed air device includedNo external water cooling is requiredElectrical: 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</div>

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.

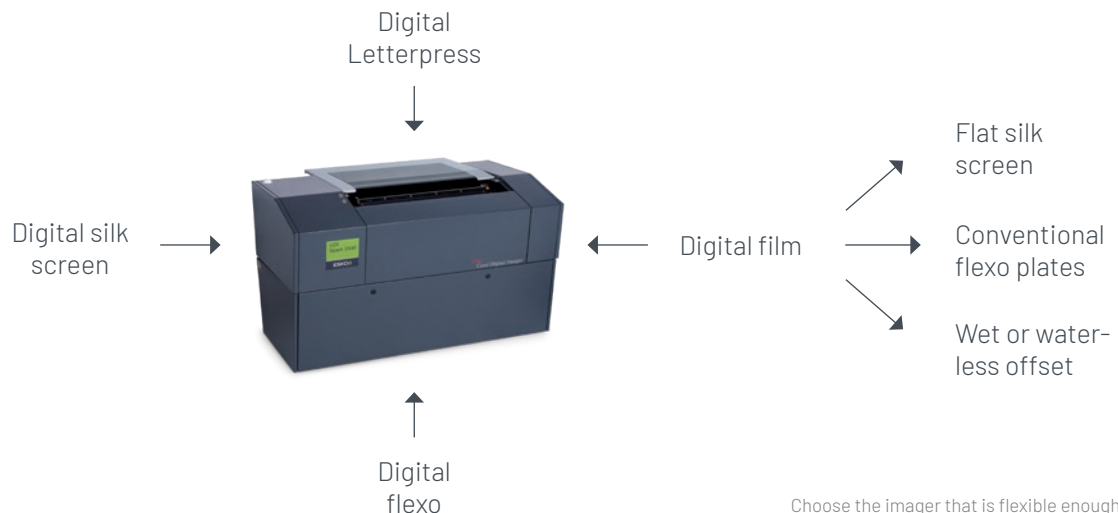
Our market-leading machines can image digital (LAMS coated) flexo plate (polyester- and, optional, metal based), digital silk screens and chemistry-free film.

- **Digital flexo plates:** DuPont, Asahi, MacDermid, 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%

