

CTP SYSTEMS



▶ **CDI SPARK FAMILY**

The CDI Spark family offers a wide range of digital flexo imagers for flexographic and letterpress plates in 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.

1712



CDI SPARK

2120



CDI Sparks Family

TYPE OF IMAGER

IMAGE QUALITY

ENGINE CONTROL

RIP & SCREENING OPTIONS

- Imaging Engine 1712 included
- Industry standard PostScript/PDF RIP
- Quality screening optimized for flexo and letterpress included in the RIP
- HD Flexo option for the finest print quality in flexo
- Additional screening and proofing modules available

- Optional Imaging Engine 2120
- Industry standard PostScript/PDF RIP
- Quality screening optimized for flexo and letterpress (Circular, Double Circular dots) included in the RIP
- HD Flexo option for the finest print quality in flexo
- Additional screening and proofing modules available

OPTICS / PRODUCTIVITY

7.5 0.75 m²/h

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10 1.0 m²/h

PLATES

- 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
- Sizes up to 16.53" x 11.81" / 420 x 300 mm

- 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
- Sizes 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 or smaller)

MACHINE DIMENSIONS

- Width 33.85" / 860 mm
- Depth 27.75" / 705 mm
- Height 38.97" / 990 mm
- Weight 661 lb / 300 kg

- 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
- Electrical:
 - Imager: 230V/N/PE, 50/60 Hz
 - Exhaust: 90-250V/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



2420



2530



4835



4260



5080



- External drum design with vacuum system and EasyClamp
- High power Fiber Laser source, Class 1 laser

- 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 (up to 6m2/h @ 4000 ppi)

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

- Imaging Engine 2420
- Industry standard PostScript/PDF RIP
- Quality screening optimized for flexo
- (Circular, Double Circular dots) included in the RIP
- Additional screening and proofing modules available
- Additional screening and proofing modules available

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

- Optional Imaging Engine
- Industry standard PostScript/PDF RIP
- Quality screening optimized for flexo (Circular, Double Circular dots) included in the RIP
- HD Flexo Screening option for the finest print quality in flexo
- Additional screening and proofing modules available

- 7.5 0.75 m²/h
- 10 1.0 m²/h
- 15 1.5 m²/h

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- 10 1.0 m²/h
- 15 1.5 m²/h
- 25 2.5 m²/h

- 15 1.5 m²/h
- 25 2.5 m²/h
- 40 4.0 m²/h
- 80 8.0 m²/h

- 15 1.5 m²/h
- 25 2.5 m²/h
- 40 4.0 m²/h
- 80 8.0 m²/h

- 15 1.5 m²/h
- 25 2.5 m²/h
- 40 4.0 m²/h
- 80 8.0 m²/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 0.255" / 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)

- All digital photopolymer plates, ablative film or polyester-base Letterpress plates
- Usable plate thickness: 0.030" to 0.255" / 0.76 to 6.35 mm
- Sizes: up to 42" x 60" / 1067 x 1524 mm or smaller

- All digital photopolymer plates, ablative film or polyester-base Letterpress plates
- Usable plate thickness: 0.030" to 0.255" / 0.76 to 6.35 mm
- Sizes: up to 50" x 80" / 1270 x 2032 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 40) 91.3" / 2320 mm (Optics 80)
- **Depth** 67" / 1710 mm
- **Height** 46.9" / 1190 mm
- **Weight** 2932 lb / 1330 kg

- **Width** 110.2" / 2800 mm
- **Depth** 43.3" / 1100 mm (cover closed) 65.8" / 1670 mm (cover open)
- **Height** 45.7" / 1160 mm
- **Weight** 3968 lb / 1800 kg

- **Width** 127.9" / 3250 mm
- **Depth** 68.8" / 1750 mm (cover closed) 74.4" / 1890 mm (cover open)
- **Height** 39.5" / 1005 mm
- **Weight** 5500 lb / 2500 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
 - Imager: 230V/N/PE, 50/60 Hz
 - Exhaust unit: 230V/N/PE, 50/60 Hz, 1.2 kVA

- Separate vacuum system, exhaust unit and external compressed air device included
- External compressed air device supplied with the system
- Electrical:
 - 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

- Separate vacuum system, exhaust unit and external compressed air device included
- No external water cooling is required
- 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

- Separate vacuum system, exhaust unit and external compressed air device included
- No external water cooling is required
- 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