

MultiDX!



Flex

T-Flex

UV-Flex

UV

The flat-bed CTP system with a maximum number of application areas

The MultiDX! is available in sizes 220 and 240. The MultiDX! 220 can image print forms up to an 800 x 600 mm (31.5 x 23.6 inches) format. The MultiDX! 240 images print forms up to a 1300 x 1100 mm (51.2 x 43.3 inches) format.

The MultiDX! uses unique hybrid technology to directly expose a wide range of print forms. With resolutions as high as 10,000 dpi, the MultiDX! stands for the highest quality and can produce highly precise line details equally well on offset plates and on relief printing plates. Both sizes are available in five different configurations:

MultiDX! Flex

The CTP system for all relief printing applications

The MultiDX! Flex is very well suited for narrow-web and label printing as well as for printing on three-dimensional objects (cans, bottles, tubes, etc.). It has been designed such that imaging of all materials is possible with digital coating (LAMS layer):

- Digital flexo plates
- Digital letterpress plates
- Digital coating plates
- Ablative offset plates
- Ablation films

Use of the MultiDX! Flex is possible in custom applications in which ablation layers are deployed.

MultiDX! T-Flex

True hybrid CTP system with proven benefits

The MultiDX! T-Flex was developed for narrow web and label printing, security printing as well as for printing on three-dimensional objects (cans, bottles, tubes, etc.). Thanks to its hybrid technology it can image print forms with different spectral sensitivity, such as thermal offset plates combined with flexo plates. The MultiDX! T-Flex can image the following print forms without new settings or mechanical retrofitting:

- Digital flexo plates
- Digital letterpress plates
- Thermal offset plates
- Waterless offset plates
- Digital coating plates
- Ablation films

MultiDX! UV-Flex

A family member in a class of its own

The MultiDX! UV-Flex is the flagship of our portfolio and an optimal solution for all applications in narrow web and label printing, as well as in industrial printing. The MultiDX! UV-Flex images a great number of print forms and replaces existing imagesetters.

The MultiDX! UV Flex combines mask ablation and UV direct imaging technology in one CTP system. This makes it the most flexible machine on the market which is able to image the following print forms:

- Digital flexo plates
- Digital letterpress plates
- Conventional offset plates
- Rotation screens (Screeny)
- Flat bed Screen printing forms (ceramic, textile, solar cells, automotive, glass, stickers, labels, etc.)
- Digital coating plates
- Ablation films
- Magnesium plates
- Photochemical etching applications
- Electric forming

MultiDX! UV

The CTP system for all offset and screen printing application

The MultiDX! UV was developed for label printing and applications in industrial printing. The UV laser diodes allow ultra-fast imaging of all offset and screen print forms. It is immaterial whether the print form is fixed or flexible. Different print forms can be imaged with a single investment:

- UV offset plates
- Waterless offset plates
- Rotation screens (Screeny)
- Magnesium plates
- Photochemical etching applications
- Electric forming
- Flat bed Screen printing forms (ceramic, textile, solar cells, automotive, glass, stickers, labels, etc.)

MultiDX! Thermal

The CTP system for demanding applications

The MultiDX! Thermal was developed for narrow web and label printing and is able to image all common offset plates:

- Thermal offset plates
- Waterless offset plates

Additional extraction enables imaging of the whole range of ablative plates.

MultiDX!



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Flex	MultiDX! 220	MultiDX! 240
Laser type	Infrared, 940 nm	
Number of laser diodes	8, 16, 24 or 32	8, 16, 24, 32, 40, 48, 56 or 64
Productivity ¹⁾	Flexo: 1 m ² /h (11.1 ft ² /h)	Flexo: 2.5 m ² /h (27.8 ft ² /h)
T-Flex	MultiDX! 220	MultiDX! 240
Laser type	Thermal, 830 nm HiPower	
Number of laser diodes	8, 16, 24 or 32	8, 16, 24, 32, 40, 48, 56 or 64
Productivity ¹⁾	Offset: 4.3 plates/h Flexo: 1 m ² /h (11.1 ft ² /h)	Offset: 3.4 plates/h Flexo: 2.5 m ² /h (27.8 ft ² /h)
UV-Flex	MultiDX! 220	MultiDX! 240
Laser type	UV, 405 nm / Infrared, 940 nm ²⁾	
Number of laser diodes	Maximum 48 UV or maximum 24 Infrared ³⁾	Maximum 96 UV or maximum 56 Infrared ³⁾
Productivity ¹⁾	Offset: 6.4 plates/h Flexo: 0.8 m ² /h (9 ft ² /h) Screens: 2.7 m ² /h (30 ft ² /h)	Offset: 5.1 plates/h Flexo: 2.2 m ² /h (24.7 ft ² /h) Screens: 6.4 m ² /h (71 ft ² /h)
UV	MultiDX! 220	MultiDX! 240
Laser type	UV, 405 nm	
Number of laser diodes	8, 16, 24, 32, 40, 48, 56 or 64	8, 16, 24, ..., 128
Productivity ¹⁾	Offset: 8.5 plates/h Screens: 3.6 m ² /h (40 ft ² /h)	Offset: 6.8 plates/h Screens: 8.5 m ² /h (94.5 ft ² /h)
Thermal	MultiDX! 220	MultiDX! 240
Laser type	Thermal, 830 nm	
Number of laser diodes	8, 16, 24 or 32	8, 16, 24, 32, 40, 48, 56 or 64
Productivity ¹⁾	Offset: 4.3 plates/h	Offset: 3.4 plates/h
General information	MultiDX! 220	MultiDX! 240
Maximum print form (L x W x H) in mm (inches)	800 x 600 x 50 (31.5 x 23.6 x 2)	1300 x 1100 x 70 (51.2 x 43.3 x 2.8)
Standard resolution in dpi	1200, 2400, 2540, 5080, 10160 ⁴⁾	1200, 2400, 2540, 5080 ⁴⁾
Dimensions (L x W x H) in mm (inches)	1741 x 1462 x 1375 (68.5 x 57.5 x 54.1)	3230 x 2120 x 1485 (127.2 x 83.4 x 58.4)
Average power consumption (with / without extraction unit)	ca. 0.8 / 0.5 kW	
Power supply	230 V, 50 – 60 Hz, 16 A	
Environment conditions	40 – 65 % humidity at 18 – 25°C (64.4 – 77°F)	

¹⁾ Depends on material, resolution and number of laser diodes

²⁾ If necessary, 830 nm lasers can be used instead of 940 nm

³⁾ Depending on the configuration

⁴⁾ Further resolutions are available on request.