

HelioFlex F1700 / F2000



The HelioFlex F1700 and F2000 are powerful platesetters for imaging digital photopolymer printing plates and sleeves (LAMS), equipped with Lüscher laser technology. The exposure speed sets new standards!

The HelioFlex F1700 / F2000 offer the following functions and advantages:

- 1 High-resolution: Stepless from 2400 to 5080 dpi
- 2 High performance: Up to 16 m²/h
- 3 XIMask: Automatic Microstructuring
- 4 Versatile: Plates and sleeves (only F1700)
- 5 Ergonomic: Simplified handling

The HELL HelioFlex F1700 / F2000

The HelioFlex F1700 / F2000 with Lüscher laser technology are versatile output devices for imaging digital photopolymer printing plates and sleeves (LAMS). With a productivity of up to 16 m²/h, independent of screen and exposure resolution, the F1700 / F2000 offer a new level of performance especially for corrugated printing.

The integrated loading table and the clamping bar function of the vacuum cylinder offer simplified plate handling. The one-sided cantilever makes it far easier to handle sleeves (F1700 only).

The HelioFlex F1700 / F2000 image with up to 5080 dpi and thus clearly exceed the usual 4000 dpi quality of the market.

The X!Mask software developed by Lüscher automatically structures surfaces and lines using microcells and thus permits higher density values in the solids. Highlights and fine lines are also recognized by the software and automatically provided with wider shoulders, thus eliminating the need for additional tonal enhancement. X!Mask runs fully automatically during the output to the F1700 / F2000.

The optional 32, 48 or 64 fiber-coupled infrared laser diodes are automatically readjusted before each exposure if required.

Printing forms	HelioFlex F1700 / F2000
Plate	- Digital photopolymer printing plates (LAMS) of all brand manufacturers - F1700 up to 1330 x 1650 mm / 53 x 65 inch - F2000 up to 1270 x 2032 mm / 50 x 80 inch - Plate thickness up to 6.35 mm - Mounting by means of vacuum cylinder
Sleeve option for F1700	- Digital photopolymer sleeves (LAMS) - Circumference from 320 to 1350 mm (250 - 320 mm with limitations) - Length up to 1700 mm - Mounting with HELL mandril (option)
Laser and optics	
Laser principle	32 / 48 / 64 IR-Laserdiodes: 940 nm
Productivity	8 / 12 / 16 m ² /h
Write resolution	Stepless from 2400 to 5080 dpi
Screen ruling	Stepless up to 100 l/cm
Input data	1-Bit TIFF, screened
Vacuum	Vacuum pump for plate imaging
Cooling	Air-cooled, no additional devices required
Suction	Separate turbine and filter unit
Functions	
Platemaster	Automatic positioning of repeats based on presets, optimized arrangement, and guillotine cutting
Center placement*	Automatic positioning of the exposure centered on the sleeve
Camera for startposition	Setting of the starting position under visual control by means of camera and crosshairs
Mirroring	Mirroring engraving data in circumferential direction
Engraving status display	Display showing remaining engraving time
Export for cutting table	Digital stencil data provided
Options	
Jobticket Station	Preparation of production jobs outside HelioFlex for convenient and reliable job preparation and reduced setup times
Flexxtreme!	Laser optics for steplessly adjustable writing resolution
X!Mask	Automatic microstructuring
HELL-Mandril	Mandril with inner cone
Adapter	Customized adapter for adaptation mandril / sleeve
Dimensions	
Basic unit (L x W x H)	F1700: 3606 x 1353 x 1441 mm F2000: 3731 x 1353 x 1258 mm
Weight	F1700: approx. 3650 kg F2000: approx. 3700 kg

* Depends on system design

Subject to design changes. Errors excepted.

Version: D10

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