

Computer-to-Screen

Product Description

Phoenix UV LASER & HD DMD

800/1000/1400



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1 Introduction & Sales Guide

1.1 Introduction of the Phoenix UV-LASER

1.1.1 Phoenix – Exposing system

DROP presents Phoenix UV-LASER with 96 laser digital direct imaging for high quality printing plates for almost any printing process such as screen printing, offset as well as film imaging. Phoenix is the future-proof solution for the production of high-quality printing plates for industrial applications with optimum efficiency.

The unique Laser & DMD exposing system guarantees, mainly for the production of coated screens, producible qualities with reliable service time in the printing press. The Laser exposing system with HD DMD enables a perfect surface and depth of cure hardening of the screen emulsions used. The EOM values remain largely stable before and after processing.

1.2 Efficient and safe production

Laser spectral wavelength (405 nm) with DMD and the high-resolution Zeiss optic system hardening in a parallel exposure passage. This represents an enormous advantage when working with thick layers. The optical lens system guarantees optimum sharpness for print sharp edges.



2 Technical Data 1

2.1 Technical Data Sheets

2.1.1 Phoenix UV LASER 800/1000/1400

Base Unit	Phoenix 800	Phoenix 1000	Phoenix 1400
Dimensions (width x depth x height) w/o input table	1.670 x 1.790 x 1.000 mm	1.870 x 1.790 x 1.000 mm	2.270 x 1.790 x 1.000 mm
Dimensions (width x depth x height) with input table	1.670 x 1.790 x 1.610 mm	1.870 x 1.790 x 1.840 mm	2.270 x 1.790 x 2.160 mm
Speed @ 2540 dpi	max. horizontal speed 240 mm/s; writing width 18,2 mm*		
Media	96 x UV LASER 405 nm or 2 x 96 UV LASER		
Resolution	2400 / 2540 dpi or 5080 dpi (opt. other resolution)		
Imaging Area	600 x 800 mm	800 x 1.000 mm	1.150 x 1.400 mm
Auto focus system	Automatic predictive auto focus		
Auto focus calibration	yes		
Media specific vacuum and register system in the combination on request	yes		
Positioning	+/- 1µm		
Environment	18°C – 28°C / 40% - 60%		
Power supply	230 V/50 Hz (1/N/P) or optional 110 V		
External Air Supply	no		
Option	mechanically adjustable Z-axis (for special screen frames)		
Approvals/Conformities	CE		

* The maximum speed depends on the application

3 Technical Data 2

3.1 Dimensions/Floorplans

3.1.1 Dimension Phoenix 800/1000/1400*



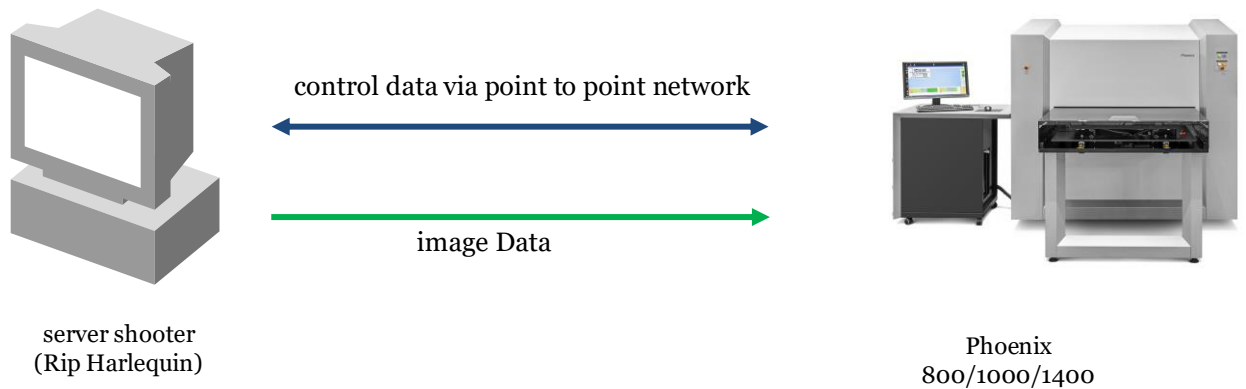
* all dimensions in cm

4 Connection to digital workflow

4.1 Connection in the digital workflow environment

4.1.1 Digital workflow

The Phoenix 800/1000/1400 needs a separate server shooter for the digital workflow environment.



When ordering a Phoenix 800/1000/1400 a separate server shooter has to order.

Minimum Specification of the Server Shooter:

- PC-Hardware for Phoenix HQ Rip
- Rip Harlequin Intel i5
- 8 GB Ram
- Keyboard, Mouse
- Windows 10 Professional, 2x HD 1 Terrabyte
- Raid Level 1
- 19" Monitor

5 Order Process

5.1 Availability

The delivery time usually takes about 12 weeks. It needs to be confirmed by the supplier.

Please order the Phoenix device plus the optional features, Phoenix Setup and Additional Phoenix Training at:

Drop International Trading AG
Huobstraße 3
P.O. Box 343
CH-8808 Pfäffikon
Switzerland

Telephone:
+41 62 544 20 80

E-Mail:
info@drop.ch

Please order the Xitron navigator RIP Harlequin PC-hardware and RIP Setup and Training at:

Drop International Trading AG
Huobstraße 3
P.O. Box 343
CH-8808 Pfäffikon
Switzerland

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