

StencilMaster[®] D-Series

Since 1980 SignTronic AG has developed and produced HighTech equipment for the Graphic Arts industry. The over the years well established SignTronic StencilMaster became the market leader in the computer-to-screen segment.

The rigid, heavy machine structure and the high quality materials and components built in, ensure highest precision, standardised screen production and repeatable results.

The optical engine has been especially developed by SignTronic and Zeiss. It guarantees a constant and homogeneous screen exposure.

The horizontal exposure process is carried out bi-directionally. The exposure head is mounted on an air bearing shuttle which allows an extremely precise and time efficient vibration free screen exposure.

The new 330 Watt light source increases the exposure speed and cures all current emulsions easily. With a resolution of 1270 or 2400 dpi, the SignTronic StencilMaster offers always a market oriented an excellent solution.

In addition to the StencilMaster as a stand alone machine, it can be integrated into a fully automated screen-exposure line. The StencilMaster is already factory prepared for easy integration and will be the core of every in-line solution.

Quality securing measurements will be carried out during the entire screen production process continuously. The substantial quality control of the exposure machines before delivery, guarantees a smooth incorporation in your production process.

Over all, the SignTronic StencilMaster offers the perfect solution concerning increased process stability, reduced production cost and improved print quality. Finally it will help to maintain the long term competitive edge of your company.



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Technical Specifications

Machine-Type	Maximum frame-format / exposure-format	Resolution
Stencilmaster 1010	1400 x 1200 mm (55" x 47") / 1000 x 1000 mm (39.37" x 39.37")	1270 dpi / 2400 dpi
Stencilmaster 1612	2100 x 1450 mm (83" x 57") / 1600 x 1200 mm (63" x 47,25")	1270 dpi / 2400 dpi
Stencilmaster 2316	2800 x 1800 mm (110" x 71") / 2300 x 1600 mm (91" x 63")	1270 dpi
Stencilmaster 3124	3600 x 2600 mm (142" x 102") / 3100 x 2400 mm (122" x 94,5")	1270 dpi
Stencilmaster 4126	4600 x 2800 mm (181" x 110") / 4100 x 2600 mm (161" x 102")	1270 dpi
Stencilmaster 4136	4600 x 3800 mm (181" x 149,6") / 4100 x 3600 mm (161" x 141,7")	1270 dpi
Other StencilMaster sizes on request		
Machine-Type	Machine-measurements	Weight
Stencilmaster 1010	2000 x 2400 x 1500 mm (h x w x d) / 78.7" x 94.4" x 59"	1980 kg / 4365 lbs
Stencilmaster 1612	2225 x 3120 x 1893 mm (h x w x d) / 87,5" x 123" x 74,5"	2350 kg / 5180 lbs
Stencilmaster 2316	2740 x 3800 x 2090 mm (h x w x d) / 108" x 150" x 82"	4150 kg / 9150 lbs
Stencilmaster 3124	3540 x 4600 x 2090 mm (h x w x d) / 140" x 181" x 82"	4500 kg / 9920 lbs
Stencilmaster 4126	3740 x 5600 x 2090 mm (h x w x d) / 148" x 221" x 82"	5350 kg / 11800 lbs
Stencilmaster 4136	4740 x 5600 x 2090 mm (h x w x d) / 187" x 221" x 82"	6100 kg / 13450 lbs
Room conditions	Yellow light, dust free, free of condensates, vibration free floor	
Environmental temperature	18 - 24 °C / 65 - 75°F	
Rel. humidity	25 - 75 %	
Power supply	220 - 240 V / 50 Hz / 1 Phase / 16 A / CEE 16	
Compressed air	50 l/min at 6 bar	
Light source	UHP 330 W	
Exposure speed	up to 40 m ² /h / 430 qf/h	
Connection power	1100 VA	
Data format	1 Bit TIFF	
Inline capability	The StencilMaster can be integrated in an inline system at any time	
Options	Compose Express RIP or Colorgate Production Server7 CTS Edition	
Customer training	A 3-days training on site is inclusive (general operation of the StencilMaster and operator-software)	
Service contract	Customer oriented service contracts are optional	
Technical changes are subject to alterations.		

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SignTronic AG

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THE DOUTHITT CORPORATION

*Manufacturers of Exposure Equipment and
Computer to Screen*

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