

product solution

SignTronic StencilMaster® STM-D Series

The STM-D Series represents SignTronic's fourth generation direct exposure system. It features the same premium steel construction and precision ZEISS optics as all SignTronic models, but differentiates itself with its extreme versatility. In addition to coming in a wide range of sizes, it can be loaded and unloaded from both sides and integrates seamlessly with Grünig IN-LINE components such as loading/unloading magazines and coaters. Such tight integration with automated Grünig IN-LINE components is unique to SignTronic equipment.

The STM-D Series offers two options for the UV light source: A conventional CPL 330W UV lamp, or SignTronic's UV-LED DUO unit. While both options provide optimized UV exposure levels, the CPL 330W lamp emits a wider range of the UV spectrum, allowing for better performance with dual cure emulsions and a wider variety of meshes.

The optional Remote Image Control Board (RICB) provides a simple and efficient means of monitoring and maintaining a high quality exposure. Each time an STM-D Series unit is switched on, the RIBC automatically measures the distance between the exposure head and the screen, as well as other important optical parameters, and makes any needed adjustments. This process can be repeated throughout extended runs to ensure consistent exposure. It can even compensate for bowed screens.



FEATURES

- Can easily be integrated into Grünig IN-LINE system
- Rugged, high quality construction
- Multiple image production for smaller screens
- Bidirectional imaging in both directions for speed
- Up-to-date Windows 10 operating system

PURCHASING OPTIONS

STM-1010

- Max screen size (H x W): 55" x 47.2" (1400 x 1200 mm)
- Max exposure size (H x W): 39.3" x 39.3" (1000 x 1000 mm)
- Standard resolution of 1270 dpi, upgradeable to 2400 dpi (HR2) or 3040 dpi (HR3)

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SignTronic StencilMaster® STM-D Series

STM-1612

- Max screen size (H x W): 83" x 55" (2100 x 1400 mm)
- Max exposure size (H x W): 63" x 47" (1600 x 1200 mm)
- Standard resolution of 1270 dpi, upgradeable to 2400 dpi (HR2) or 3040 dpi (HR3)

STM-1616

- Max screen size (H x W): 83" x 71" (2100 x 1800 mm)
- Max exposure size (H x W): 63" x 63" (1600 x 1600 mm)
- Standard resolution of 1270 dpi, upgradeable to 2400 dpi (HR2) or 3040 dpi (HR3)

STM-2316

- Max screen size (H x W): 110" x 71" (2800 x 1800 mm)
- Max exposure size (H x W): 91" x 63" (2300 x 1600 mm)
- Standard resolution of 1270 dpi, upgradeable to 2400 dpi (HR2) or 3040 dpi (HR3)

STM-2320

- Max screen size (H x W): 110" x 87" (2800 x 2200 mm)
- Max exposure size (H x W): 91" x 79" (2300 x 2000 mm)
- Standard 1270 dpi resolution (Non-upgradeable)

STM-2720

- Max screen size (H x W): 126" x 87" (3200 x 2200 mm)
- Max exposure size (H x W): 106" x 79" (2700 x 2000 mm)
- Standard 1270 dpi resolution (Non-upgradeable)

STM-3124

- Max screen size (H x W): 142" x 102" (3600 x 2600 mm)
- Max exposure size (H x W): 122" x 94" (3100 x 2400 mm)
- Standard 1270 dpi resolution (Non-upgradeable)

STM-4126

- Max screen size (H x W): 181" x 110" (4600 x 2800 mm)
- Max exposure size (H x W): 161" x 102" (4100 x 2600 mm)

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- Standard 1270 dpi resolution (Non-upgradeable)

STM-4136

- Max screen size (H x W): 181" x 150" (4600 x 3800 mm)
- Max exposure size (H x W): 161" x 142" (4100 x 3600 mm)
- Standard 1270 dpi resolution (Non-upgradeable)

PRODUCT OPTIONS

RIP software

Colorgate Productionserver (SignTronic Edition)

Proofing software

FirstPROOF PRO

Process control

RICB (Remote Image Control Board)

Exposure Light Source

High powered CPL 330 W UV lamp, UV-LED DUO (385 nm / 405 nm)

Enhanced Resolution (Models STM1010 — STM-2316 Only)

HR2 (2400 dpi), HR3 (3040 dpi)

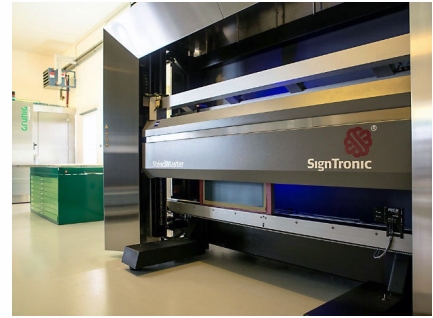
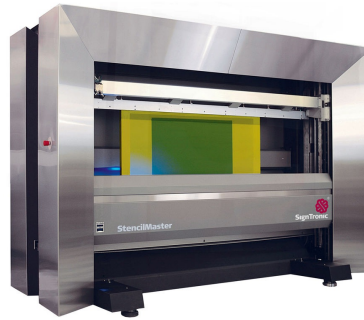
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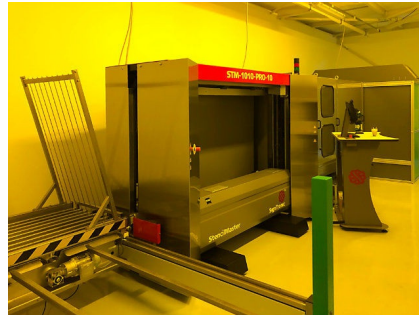
PRODUCT IMAGES



SignTronic StencilMaster® STM-D Series with Desk



Multiple Screens Loaded



SignTronic StencilMaster® STM-D Series with Grünig IN-LINE Loading Magazine

