

product solution

# SignTronic StencilMaster® STM-TEX Series

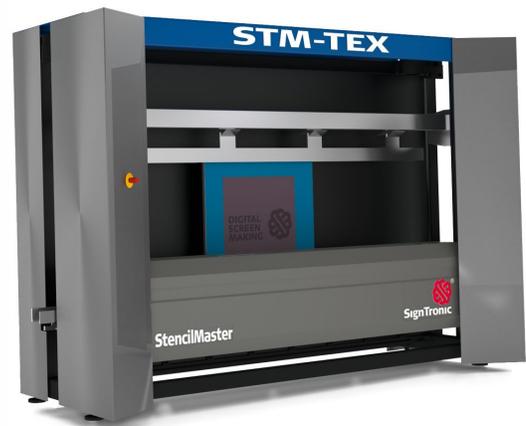
The STM-TEX Series is SignTronic's fourth generation high end computer-to-screen direct exposure system designed for the textile market. It is ideal for demanding applications such as heat transfers. It simplifies the conventional screen making process, bringing improved printing quality, greater efficiency, impressive flexibility and lower screen costs to high end textile printing.

ZEISS optics allow for maximum precision and high light transition. The system also allows for modular extension. It can be easily integrated with automated Grünig IN-LINE components, as seen below in *Automation Options*.

The STM-TEX 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.

Additionally, 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-TEX 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
- Bidirectional imaging in both directions for speed
- Up-to-date Windows 10 operating system

## PURCHASING OPTIONS

### STM-TEX\_S

- Max screen size (H x W): 47.2" x 49.2" (1200 x 1250 mm)
- Max exposure size (H x W): 41.3" x 39.3" (1050 x 1000 mm)

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- Standard 1270 dpi resolution (Non-upgradeable)

## **STM-TEX\_L**

- Max screen size (H x W): 47.2" x 63" (1200 x 1600 mm)
- Max exposure size (H x W): 41.3" x 63" (1050 x 1600 mm)
- Standard 1270 dpi resolution (Non-upgradeable)

## **STM-TEX\_XL**

- Max screen size (H x W): 59" x 82.6" (1500 x 2100 mm)
- Max exposure size (H x W): 53" x 63" (1350 x 1600 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)

### **UPS (Un-interruptible Power Supply)**

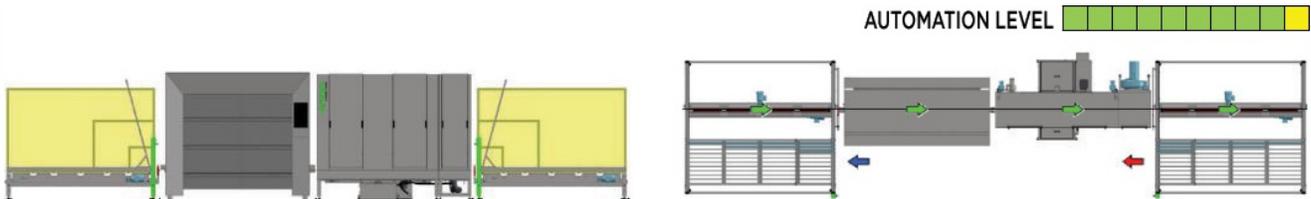
Available upon request

## **AUTOMATION OPTIONS**

The STM-TEX Series can be incorporated into the following automated configurations:

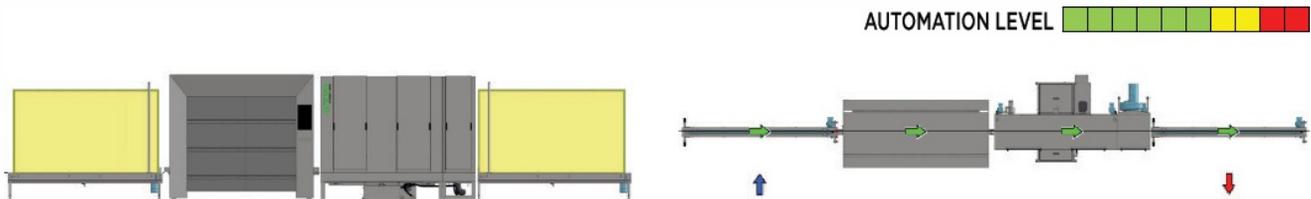
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# SignTronic StencilMaster® STM-TEX Series



**STM-TEX PRO-10** is a worry-free fully automated configuration that can handle up to 10 screens in an automated job queue. They are ready to print once removed. This system includes the following modules:

- STM-TEX Series Direct-to-Screen unit
- Grünig INLINE G-WASH 175-XS automatic developing unit
- 2x 10-slot loading and unloading magazines



**STM-TEX PRO-one** is a fully automated configuration that allows for one screen to be exposing, one to be developing, and another to be loaded simultaneously. They are ready to print once removed. This system includes the following modules:

- STM-TEX Series Direct-to-Screen unit
- Grünig INLINE G-WASH 175-XS automatic developing unit
- 2x Single-slot loading and unloading stations



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# SignTronic StencilMaster® STM-TEX Series

**STM-TEX BASIC-10** is a partially automated configuration that allows for 10 screens to be queued for exposure. The screens are ready to be developed when removed. This system includes the following modules:

- STM-TEX Series Direct-to-Screen unit
- 2x 10-slot loading and unloading magazines



**STM-TEX BASIC-one** is a partially automated configuration that allows for one screen to be exposed while another is loaded. This system includes the following modules:

- STM-TEX Series Direct-to-Screen unit
- 2x Single-slot loading and unloading stations

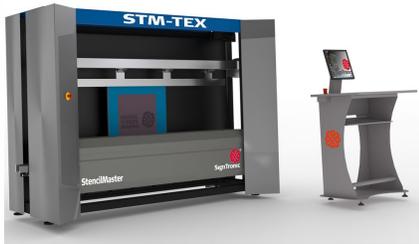


**STM-TEX BASIC-zero** is the most basic standalone configuration. While not automated, it still provides all of the benefits of STM-Tex direct-to-screen technology.

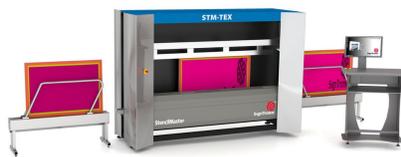
## PRODUCT IMAGES

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# SignTronic StencilMaster® STM-TEX Series



SignTronic StencilMaster® STM-TEX Series with Desk



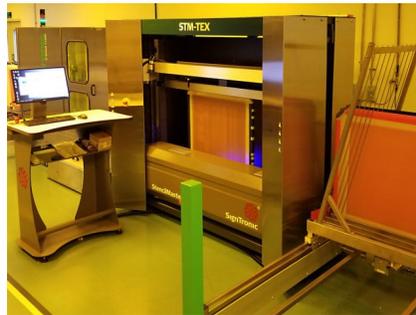
SignTronic StencilMaster® STM-TEX BASIC-one Configuration



SignTronic StencilMaster® STM-TEX BASIC-one Configuration



SignTronic StencilMaster® STM-TEX PRO-10 Configuration



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SignTronic StencilMaster® STM-TEX PRO-10 Configuration



SignTronic StencilMaster® STM-TEX PRO-10 Configuration



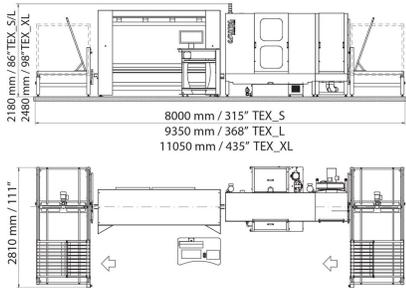
SignTronic StencilMaster® STM-TEX PRO-10 Configuration



SignTronic StencilMaster® STM-TEX PRO-10 Configuration

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# SignTronic StencilMaster® STM-TEX Series



SignTronic StencilMaster® STM-TEX PRO-10  
Dimensions