

StencilMaster®

CtS IN-LINE OPTION

Grünig

SignTronic

Automatic screen making is gaining in importance, even in the sector of **SCREEN PRINTING**.

The key factor – and not only with regard to printing quality but for the entire printing process – is the **serigraphy screen**. The modular range of the StencilMaster CtS exposing units combines **TECHNOLOGY** with **AUTOMATION (IN-LINE Processes)**.

The implementation of these two process steps provides the following advantages:

Improved quality, **reduced** material and salary costs, shortened registration and setting-up times, optimized throughput costs and waiting times, **increased** printing output, etc. Our customers all over the world benefit from these competitive advantage by using our **StencilMaster CtS** direct exposure systems (**Computer-to-Screen**).

Which IN-LINE options are possible? (see back page)

For example the PRO-10:

Magazine feeder 190XS_A30:

The automatic magazine feeder has a maximum capacity for 10 screens.

It is capable of taking up screens of various sizes and with different frame profiles.

StencilMaster CtS directs exposing:

The STM system automatically calls up the screens, one after the other. The screens are pulled in, automatically positioned (**perfect registration**) and pneumatically fastened. Then the optics are focused (**autofocus**) and the exposure head starts performing its task in both directions. The direct exposure is ensured by a powerful **UV light source the LED_Q4**.

Once the exposure procedure is completed, the exposed screens are automatically taken to the subsequent process. Simultaneously, the following screen is called up, inserted and registered.

Developer 175XS CtS version:

The exposed screen is forwarded to the development chamber where it is automatically moistened in order to soften up the emulsion. Upon expiry of the programmable waiting time (soaking time), the screen is developed in a fully automatic manner and in accordance with the stored program. It is essential for the entire developing process to take place in a closed washing chamber, to make sure that neither precipitations nor spray mist can infiltrate in the StencilMaster system. An integrated water recycling system with automatic final rinsing (based on clean water) is included in the delivery. The **control/programming** of the developing system is fully integrated and ensured via the STM Software STPrint V.4.

Blow-off/preliminary drying 179XS:

The washed and wet screens pass through the blow-off station where they are automatically pre-dried.

More than 95% of the water is thus eliminated, which not only considerably accelerates the drying time but also provides an improved printing quality (no lime-scale deposits).

Unloading magazine 190XS_A30:

The screens are automatically taken to the unloading magazine with a capacity for 10 screens.

There the screens can be removed for final checking. **Ready to print!**



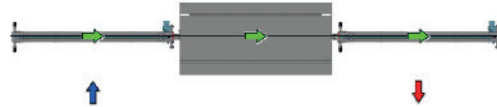
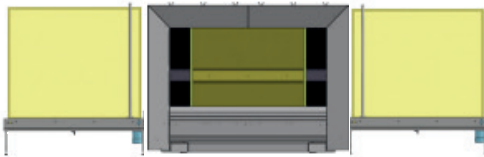
The throughput direction can be selected according to the needs.

STM **BASIC - one**

Automation Level

- Partially automated IN-LINE exposing system including:
- StencilMaster CtS direct exposing
- Single-slot loading and unloading stations

One screen on exposing and the next already loaded --> the basic automation!



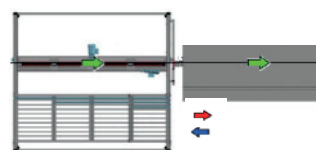
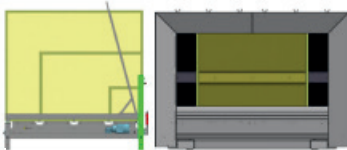
STM **BASIC - 5.1 / 10.1 / 20.1 / 30.1**

Automation Level

- Partially automated IN-LINE exposing system including:
- StencilMaster CtS direct exposing
- 5, 10, 20 or 30-slot loading and unloading station located on one side of the STM

Set a job queue for up to 30 screens exposing and let go!

You only need to develop the screens and get them printed!



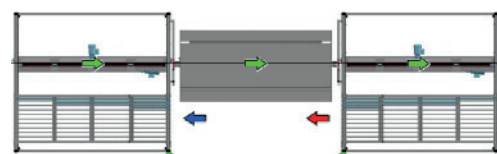
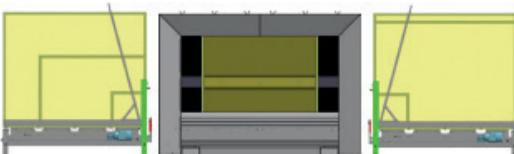
STM **BASIC - 5.2 / 10.2 / 20.2 / 30.2**

Automation Level

- Partially automated IN-LINE exposing system including:
- StencilMaster CtS direct exposing
- 5, 10, 20 or 30-slot loading and unloading station located on both sides of the STM

Set a job queue for up to 30 screens exposing and let them go!

You only need to develop the screens and get them printed!



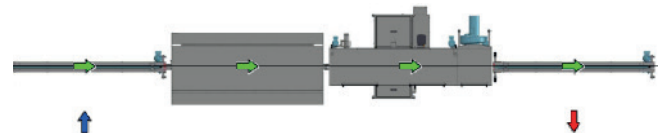
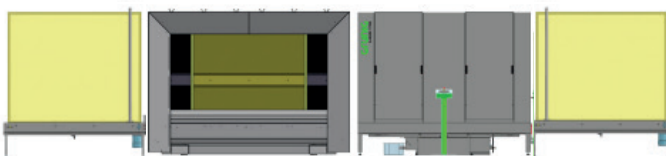
STM **PRO - one**

Automation Level

- Fully automated IN-LINE stencil making system including:
- StencilMaster CtS direct exposing
- Automatic developing unit G-WASH 175 CtS version and
- Single-slot loading and unloading stations

One screen on exposing, one on developing and third already loaded:

Produce screens, fully automatic, one after the other --> **READY TO PRINT!**



STM **PRO - 5 / 10 / 20 / 30**

Automation Level

- Fully automated IN-LINE stencil making system including:
- StencilMaster CtS direct exposing
- Automatic developing unit G-WASH 175 CtS version and
- 5, 10, 20 or 30-slot loading and unloading stations

This is the „**don't worry**“ package:

Handle up to 30 screens in an automated job queue --> get them out: **READY TO PRINT!**

