

# **STS DAYLOADER**

## **SCREEN PRINTING SYSTEM**



**The newest, most complete most compact  
Screen-printing system available anywhere!  
Print and dry up to 10 colors in only 50 square feet.**

By:  
American M&M Screen-Printing Equipment

## ***STS Screen Printing SYSTEM***

The **STS Screen Printing System** is a new, unique and efficient system occupying a space of only **four- (4) feet by 12.5 feet** (50 square feet). It gives its owner the ability to print up to a ten- (10) color pre-registered job, or five, two color jobs, or any combination thereof. Any order quantity and / or complexity can be printed on the **STS** without tying down expensive automatic presses or losing time to individually register each screen to each pallet, etc.

The **STS Screen Printing System** is operated by one individual, and efficiently organizes the screen printing process in any shop. It saves space, and provides a cost effective way to print fast continuous production of screen printed items in a very competitive market.

The **STS Screen Printing System** allows the owner to interrupt a large quantity production job, run a new "customer sample" of minimum quantity, and return to the production run without losing either registration setups.

The built-in **STS Hi-Flash Curing Unit** can be used to finish cure the print, eliminating the cost and space required for a separate dryer.

The **STS** is a system designed to save manpower costs that will allow this machine to pay itself out in a matter of months.

A complete **STS Screen Printing System** consists of a Pre-Registration unit, a Printing Press, a Hi-Flash curing unit, a set of Cooling Blowers, Screen Cassettes (Pat. Pending) and a Cassette Storage Tower.



1. The **Pre-Registration Unit** is a heavy-duty floor model Lighted Registration Table with an X-Y Pin Grid System. It's design allows for efficient alignment of positive or artwork to screen registration within each Cassette off press. Once the pre-registration is complete the cassettes are loaded in the Cassette Tower in a sequential manner. The operator can then start printing a new job without have to register the screens on the press or center them on the pallets, as required with

current machines.

2. The **Printing Press** consists of a motor driven conveyor to index eight- (8) platen carts from station to station. The Print Station is situated in the middle of the press, and contains all the alignment pins, forks and interlock cams that uniquely lock and register the screen to the platen. The operator retrieves a Cassette and screen from the Storage Tower in sequence for printing, and prints each item using a manual squeegee. The system provides for a flexible easy way for any screen printer to run small or large quantity multicolor jobs. It allows the owner, *at any time*, to interrupt a production job, run a new job, and then continue with the original job in progress *WITHOUT* having to re-register the screens or platens, etc. This is really a true *SAMPLE* and *PRODUCTION PRESS* combination printer.
3. The built-in **Flash Curing Unit** is a two-zone (top and bottom half of the garment), Quartz Hi-Flash unit, and is mounted out of the way of the operator, and its controls are conveniently set next to the operator, for setting parameters. Since the Hi-Flash unit is mounted over the return path of the printed material, every color can be flashed if so desired, resulting in a high definition print. Finish curing is achieved by selecting the “**auto dry**” mode that will automatically index the pallets under the flash unit. In addition, a set of **Cooling Blowers** mounted above the return path of the pallets cools the flashed garment.



4. The motorized **Cassette Tower** is an integral part of this machine and serves to store and convey the pre-registered screens within the operator's reach in color sequence. The tower can hold up to ten Screen Cassettes.

5. The **Screen Cassette** has unique features including a **360° Micro Adjusting System** incorporated into every Cassette, and a tool free “off-contact” adjustment, so all adjustments can be set at the Pre-Registration Table. This is a highly efficient and fast way to register and pre-set all the necessary printing parameters off-press by the *Pre-Press Manager* eliminating that responsibility from the “press operator”. Therefore, all settings are done in a uniform consistent way every job, every time.

The **Cassettes** can accommodate your **existing** wood or metal screen frames and automatically straighten warped screens, providing for a better print image.

6. A **Screen Maintenance Station** is provided next to the print station giving the operator a position to examine and clean the under side of the screen without stooping or crawling under the machine.
7. The **Conveyor System** automatically indexes each pallet from station to station by dwell timer, or single cycle with foot switch. It can cycle in reverse if necessary to inspect or reprint the previous garment.

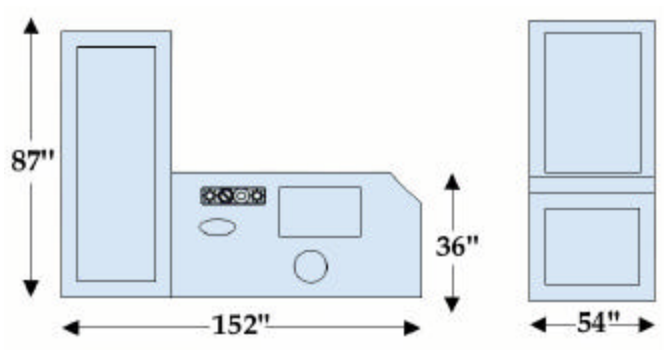
#### MINIMUM OPERATOR FATIGUE:

The **operator** does not have to pull down spring loaded screens all day long, or spin a heavy manual carousel, thus eliminating fatigue! The operator *never* has to lift the cassette with the screen. The Cassette and Screen Assembly is fully supported on special tracks so it can be rolled from the tower to the printing station and back, *without* lifting.

**Foot Print:** There is no other press in the world that requires less space for a ten-color machine. Approximately **4 x 12.5 feet**, it can be placed against a wall, in a small back room or in that area that you could never fit any rotary or oval printer.

#### SPECIFICATIONS:

• Maximum Print Size	18" x 24"	45.7 x 61 cm
• Maximum Screen size	25" x 32:	63.5 x 81.25 cm
• Overall Press Size	54" x 152"	137 x 386 cm
• Overall Registration Table Size	30" x 48"	76 x 122 cm
• Platen Print Height	36"	91.5 cm
• Electrical Requirements	24 / 1 / 60	40 amps
• Crate Size, Press and Tower	59" W x 163" L x 94" H	
• Crate Size, Registration Table	39" W x 56" L x 48" H	
• Shipping Weight (Domestic)	4,500 pounds	2,062 Kg



**American**  **M & M**  
The Printer's *Choice*

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