

TRANSFORMER & BLU-FLASH



Flash-Based Curing System



FEATURES

- Blu-Flash, with its powerful infrared panel, can be used as a standalone flash cure unit or as part of the Transformer & Blu-Flash Curing System
- Transformer provides the compact, low-cost conveyor component of the Transformer & Blu-Flash flash-based curing system
- Allows the tailoring of flash curing and conveyor drying to suit changing production needs

Transformer conveyor shown with three Blu-Flash units

M&R's unique Transformer & Blu-Flash flash-based curing system gives small and startup manual screen printing shops an unmatched level of versatility in flash curing and electric conveyor drying—and at an unbelievably low price. The Blu-Flash flash cure unit is the starting point. Its powerful infrared radiant panel provides rapid, consistent curing performance and outstanding durability. A variable-percentage (1-100) power control allows adjustment of the curing temperature, and the sturdy, lightweight stand provides easy positioning and superior portability.

Up to three Blu-Flash cure units can be combined with the Transformer conveyor, turning it into a powerful infrared electric screen printing conveyor dryer. Unlike with traditional electric conveyor dryers, operators can add or remove radiant panels at will simply by moving Blu-Flash cure units in or out. This is especially

beneficial since jobs that don't require between-color flash curing can take advantage of the faster throughput provided by syncing multiple Blu-Flash cure units with the Transformer conveyor. On the other hand, jobs that require flashing on the press typically require less speedy throughput, enabling operators to move one Blu-Flash from the Transformer conveyor to the press without adversely affecting productivity. The Transformer conveyor features an analog belt-speed controller, allowing operators to select the appropriate speed based on substrate, ink, and the number of Blu-Flash cure units in operation at any given time.

No curing/drying system is more flexible or more affordable, and it's an ideal companion for any manual press. In fact, for manual screen printing shops on tight budgets, there's simply no better solution than M&R's Transformer & Blu-Flash flash-based curing system.

SPECIFICATIONS

	Transformer
Conveyor Belt Width	76 cm (30")
Conveyor Length	244 cm (96")
Conveyor Width ²	93 cm (36.5")
Electrical Requirements ¹	110 V, 1 ph, 2 A, 60 Hz, 0.5 kW
Overall Size	244 x 93 x 89 cm (96" x 36.5" x 35")
Shipping Weight	146 kg (320 lb)

	Blu-Flash
Curing Area	46 x 56 cm (18" x 22")
Electrical Requirements ¹	208/230 V, 1 ph, 15 A, 50/60 Hz, 3.3 kW
Overall Size	81 x 53 x 107 cm (32" x 21" x 42")
Shipping Weight	34 kg (75 lb)

¹ If incoming voltage differs from the voltage(s) listed in this brochure, calculate amperage accordingly. Other electrical configurations are available. Contact The M&R Companies for details.

² Width measured at the conveyor control box is 113 cm (44.5")

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Companion Products

KRUZER

Built with M&R's rugged construction and innovative design, Kruzer includes numerous proven design features, including tapered-roller-bearing-supported upper and lower carousels, a precise micro-registration system, machined center shaft, and three-point pallet leveling system. Kruzer's unique lever-adjusted off-contact system operates vertically, eliminating the need for a separate angle adjustment. Kruzer is offered in a 6-color/4-station model, and it's designed to fit through a 78 cm (31") doorway when disassembled. Side screen holders and solid aluminum, low-profile, rubber-coated pallets are standard. It's ideal for startup shops and for small and mid-size automatic shops in need of an exceptionally affordable high-quality manual press for sampling and small runs.



TRI-LOC

No other registration system for screen printing offers the ease of use and accuracy of M&R's patented and revolutionary Tri-Loc and Double Tri-Loc Rapid Screen Registration Systems. The Tri-Loc System is easy to learn and simple to use. The minimal amount of time spent learning how to use it will be returned many times over the life of the system. In fact, Tri-Loc's return on investment may be faster than any product in the screen printing industry. And since the process is so easy to learn, almost any employee can be quickly trained to register screens. Cost-effective and easy to use, Tri-Loc Screen Registration Systems can reduce setup time by as much as 95 percent.



FIRST LIGHT

With its convenient and economical approach to direct screen exposure, First Light is the perfect unit for startup manual screen printing shops, and it's ideal for small screen printers looking to upgrade from home-made screen exposure units. First Light's five high-output UV fluorescent lamps save energy costs, reduce screen exposure time, and speed up production. First Lights expose direct, capillary, and indirect emulsions. First Light's LED timer with digital readout ensures accurate exposures and fast exposure times.



The M&R Companies

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