

Automatic Screen Coating Machine



FEATURES

- Front and rear screen coaters can operate in tandem or independently
- Heavy-duty frame provides excellent stability during automatic screen coating
- Maximum screen frame size of 79 x 109 x 4.5 cm (31" x 43" x 1.75") or 147 x 132 x 4.5 cm (58" x 52" x 1.75")

Uni-Kote provides a reliable, low-cost option for automating screen coating. The computerized control center, conveniently mounted at the side of the screen coating machine, makes programming simple. Uni-Kote's front and rear screen coaters can apply emulsion in tandem or independently, allowing operators to coat each side of the screen separately, both sides simultaneously, or just one side.

Uni-Kote's pneumatic screen coating pressure control, variable frequency brushless electric-drive carriage motor, high-quality linear bearing system, and precision-machined coating troughs ensure smooth travel and uniform emulsion application. Adjustable frame holders accommodate multiple screen sizes, and self-aligning clamps of solid aluminum secure screen frames independently for fast

loading. Uni-Kote also features Job Recall™, which allows operators to name and save screen coating settings. Operators can later recall up to five specific jobs rather than reentering the settings.

The heavy-duty frame provides excellent rigidity for stability during screen coating. Maximum screen frame size is 79 x 109 x 4.5 cm (31" x 43" x 1.75") for Uni-Kote 3143 and 147 x 132 x 4.5 cm (58" x 52" x 1.75") for Uni-Kote 5852. Uni-Kote automatic screen coaters are built to specifications established by the European Committee for Standardization® (CE) and Underwriters Laboratories® (UL), and are backed by a one-year limited warranty. Engineered for dependable performance and low maintenance, it's the low-cost way to automate screen coating.

SPECIFICATIONS

	Uni-Kote 3143	Uni-Kote 5852
Air @ 6,9 bar (100 psi)	28 l/min (1 cfm)	28 l/min (1 cfm)
Electrical Requirements ¹	110 V, 1 ph, 15 A, 50/60 Hz, 0.5 kW 208/230 V, 1 ph, 7.9/7.2 A, 50 Hz, 0.5 kW	110 V, 1 ph, 15 A, 50/60 Hz, 0.5 kW 208/230 V, 1 ph, 7.9/7.2 A, 50 Hz, 0.5 kW
Maximum Screen Frame Size	79 x 109 x 4.5 cm (31" X 43" x 1.75")	147 x 132 x 4.5 cm (58" x 52" x 1.75")
Minimum Screen Frame Size	51 x 61 x 3.2 cm (20" x 24" x 1.25")	51 x 61 x 3.2 cm (20" x 24" x 1.25")
Overall Size (W x D x H)	135 x 79 x 181 cm (53" x 31" x 71.2")	208 x 79 x 198 cm (82" x 31" x 78")

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.

The Digital Screen Room



The traditional screen room often acts as a bottleneck in screen printing operations. The screen-creation process may be less organized than the rest of the operation, and the results may lack the quality required to produce the end product that customers demand. M&R's Digital Screen Room concept is dedicated to dramatically reducing screen-production time while making substantial improvements to image quality and consistency. Low operating costs and versatile design features help make Uni-Kote an integral part of M&R's Digital Screen Room.



Uni-Kote provides a reliable, low-cost option for automating screen coating. Front and rear screen coaters can apply emulsion in tandem or independently, allowing operators to coat each side of the screen separately, both sides simultaneously, or just one side. M&R's Job Recall™ allows users to save up to five screen coating jobs for added convenience and quick changeover.

i-Image STE is the world's first all-in-one computer-to-screen (CTS) imaging and exposure system (patent pending). By combining CTS imaging and UV LED screen exposure in one machine, M&R has dramatically reduced the time and effort required to prepare images for screen printing. On the inward pass, i-Image STE quickly generates opaque images on emulsion-coated screens. On the outward pass, the built-in high output UV LED exposure system exposes imaged screens, producing finished screens that can be taken directly to washout.

Eco-Rinse automates the tedious process of rinsing exposed screens while ensuring consistency and reducing the chance of blowing out exposed images. Balanced pressure from sprayers on both sides of the screen extends screen life. Since Eco-Rinse processes screens so quickly, per-screen labor costs can be cut by up to half. And Eco-Rinse can recycle up to 80% of the water it uses.



The M&R Companies
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