

ECO-RINSE™



Automatic Screen Rinsing System



FEATURES

- Automates and simplifies one of the least-desirable aspects of the screen printing process
- Recirculates rinse water to reduce environmental impact and lower operating costs
- Eco-Rinse processes screens quickly, cutting per-screen labor costs by up to half

M&R's Eco-Rinse automates the tedious process of rinsing exposed screens while ensuring consistency and reducing the chance of unintentionally blowing out exposed images. Manually-processed screens often require follow-up rinsing because of incomplete or inadequate processing due to operator fatigue, boredom, or inadequate training. Processing can also vary from one operator to the next. Those problems are eliminated with the consistent screen rinsing available with the Eco-Rinse automatic screen rinsing system. In addition to consistent results, the balanced pressure and even application provided by simultaneous sprays from both sides of the screen maintain screen tension and extend screen life. And since Eco-Rinse processes screens so quickly, per-screen labor costs can be cut by up to half.

Eco-Rinse also reduces water consumption because it's designed to apply the precise amount of water necessary to clean screens. While manual rinsing can consume as much as 10-15 liters (2.6-4.0 gallons) of water per screen, Eco-Rinse typically uses less than half that amount. Eco-Rinse also reduces operating costs by recycling water used in the wash cycle, further lowering per-screen water usage.

Eco-Rinse can accommodate one screen up to 152 x 152 x 5.7 cm (60" x 60" x 2.25") or two screens whose combined dimensions fall within that limit. It has no external moving parts, and it eliminates direct employee exposure to the rinsing process. It's economical to operate, and it helps shops maintain a clean operating environment. Processing screens in an enclosed environment dramatically lowers the sound produced by the spraying of screens, and it significantly reduces humidity, which can have an adverse effect on film and emulsions. Eco-Rinse's easy-to-use touchscreen controls all functions, including M&R's Job Recall™, which allows operators to name and save up to five different rinse sequences. Operators can later recall those saved programs rather than reentering each individual setting. The machine's compact footprint makes it easy to place in almost any shop. Stainless-steel construction minimizes maintenance and ensures a long, productive life. Low operating costs, versatile design features, and competitive pricing make Eco-Rinse the ideal addition to any screen printing operation.

www.mrprint.com
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ECO-RINSE™

STANDARD FEATURES

CERTIFICATION

- CE Certified: Built to specifications established by the European Committee for Standardization® (CE)
- UL Listed: Built to specifications established by Underwriters Laboratories® (UL)

DESIGN & CONSTRUCTION

- All stainless-steel construction
- No external moving parts
- Reduces ambient humidity compared to conventional spray-out booths

JOB RECALL

- Allows operators to store and recall up to five different rinse sequences

SCREEN LOADING

- Accommodates one screen up to 152 x 152 x 5.7 cm (60" x 60" x 2.25") or two screens whose combined dimensions fall within that limit
- Sliding doors open wide to simplify loading and unloading

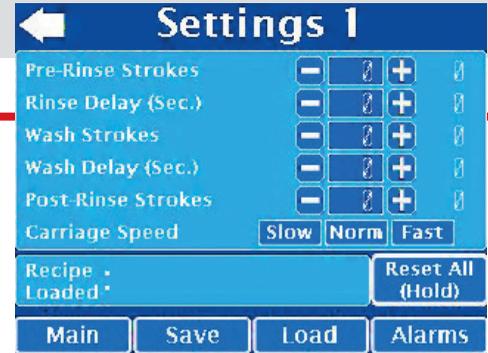
WARRANTY, SERVICE AND SUPPORT

- 24-hour hotline is staffed 365 days a year
- Access to M&R's Training Center
- One-year limited warranty
- Parts & supplies are available online at store.mrprint.com

SPECIFICATIONS

	Eco-Rinse
Electrical Requirements ¹	208/230 V, 3 ph, 27 A, 50/60 Hz, 6.1 kW 380 V, 3 ph, 20 A, 50/60 Hz, 6.1 kW
Maximum Screen Frame Size	152 x 152 x 5.7 cm (60" x 60" x 2.25")
Overall Size (W x D x H)	305 x 102 x 231 cm (120" x 40" x 91")
Shipping Weight	934 kg (2060 lb)

¹If 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.



ECO-RINSE Automatic Screen Rinsing System:
Touchscreen controls all functions

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 Eco-Rinse 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/exposure/pre-registration system (patent pending). By quickly generating images on the inward pass and exposing them on the outward pass, i-Image STE dramatically reduces the time and effort required to prepare images for screen printing. And since screens come out Tri-Loc ready, on-press registration time can be reduced by up to 95%.



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. Eco-Rinse also reduces operating costs by recycling water used in the wash cycle, further lowering per-screen water usage.



The M&R Companies

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