

Automatic Screen Cleaning and Reclaiming System



FEATURES

- Automates and simplifies one of the least-desirable aspects of the screen printing process
- Recirculates screen-cleaning chemicals to reduce environmental impact and lower operating costs
- Stainless-steel construction ensures long life and minimal maintenance

M&R's Eco-TEX automates and simplifies the entire screen-cleaning process, and it handles screens up to 132 x 97 cm (52" x 38"). In the process, Eco-TEX reduces environmental impact and lowers operating costs by recirculating screen-cleaning chemicals. Users have the option of removing ink while leaving the emulsion intact, or of completely stripping ink, emulsion, and other residue from screens. Once screens have been cleaned, Eco-TEX rinses them with a high-pressure fresh-water power wash. Power-washing both sides of the screen simultaneously accelerates the cleaning process. The entire procedure takes place in a single automatic cycle—and in a single chamber. An electric conveyor sends dirty screens into the chamber and clean screens out. Solvents are automatically pumped back to the holding tank after each cleaning cycle, reducing chemical use and lowering the cost of operation.

Eco-TEX is also modular. An additional chamber can be added to handle ink washing in one chamber and screen reclaiming in the other. The two-chamber approach greatly increases production capacity. A single-chamber Eco-TEX can clean up to 100 screens per shift (based

on two screens per cycle). A dual-chamber version can nearly double that figure. In addition, a specially-designed stainless-steel chase holds up to fifteen squeegee holders, flood bars, or spatulas, allowing Eco-TEX to automatically take care of this otherwise labor-intensive process. The easy-to-clean Eco-TEX filtration system prevents foreign matter from contaminating cleaning chemicals and jet nozzles. Eco-TEX has no external moving parts, and it eliminates direct employee exposure to the cleaning process. It's economical to operate, and it helps shops keep screen-cleaning/reclaiming areas clean.

Eco-TEX offers user-friendly touch-screen control over all operations, and includes complete self-diagnostic functionality. The machine's compact footprint makes it easy to place in almost any shop, and its reversible conveyor allows right-to-left or left-to-right movement, expanding options for machine placement. Stainless-steel construction minimizes maintenance and ensures a long, productive life. Low operating costs, versatile design features, and competitive pricing make Eco-TEX the ideal addition to any screen-printing operation.

STANDARD FEATURES

CERTIFICATION

- CE & UL compliant: Built to specifications established by the European Committee for Standardization® (CE) and Underwriters Laboratories® (UL)

CONTROL CENTER

- Digital touch-screen control panel with onboard self-diagnostics controls all machine functions

DESIGN & CONSTRUCTION

- All stainless-steel construction
- Modular design allows future expansion

SCREEN LOADING

- Automatic screen loading and unloading simplifies operation

WARRANTY, SERVICE AND SUPPORT

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



OPTIONS AND ACCESSORIES

DESIGN & CONSTRUCTION

- Second cleaning chamber enables higher throughput

SCREEN WASHING & RECLAIMING CHEMICALS

- Eco-Reclaim strips stencil (emulsion)
- Eco-Wash cleans ink residue out of the screens
- M&R's proprietary chemicals are designed and optimized for use with Eco-TEX

SPECIFICATIONS

	ECO-TEX
Air @ 6 bar (87 psi)	850 l/min (30 cfm)
Electrical Requirements ¹	208/230 V, 3 ph, 35 A, 50/60Hz, 7 kW 380/415 V, 3 ph, 19 A, 50/60 Hz, 7 kW
Exhaust Requirements ^{2,3}	15.2 cm (6")- 8498 l/min (300 cfm) @ 6 mm (1/4")
Maximum Screen Frame Size ⁴	132 x 97 x 5 cm (52" x 38" x 2")
Overall Size (L x W x H)	640 x 117 x 224 cm (252" x 46" x 88")
Shipping Weight	681 kg (1500 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 Measured at the Exhaust Discharge Port

³ Static pressure

⁴ Custom configurations may be available: Contact The M&R Companies for details.



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