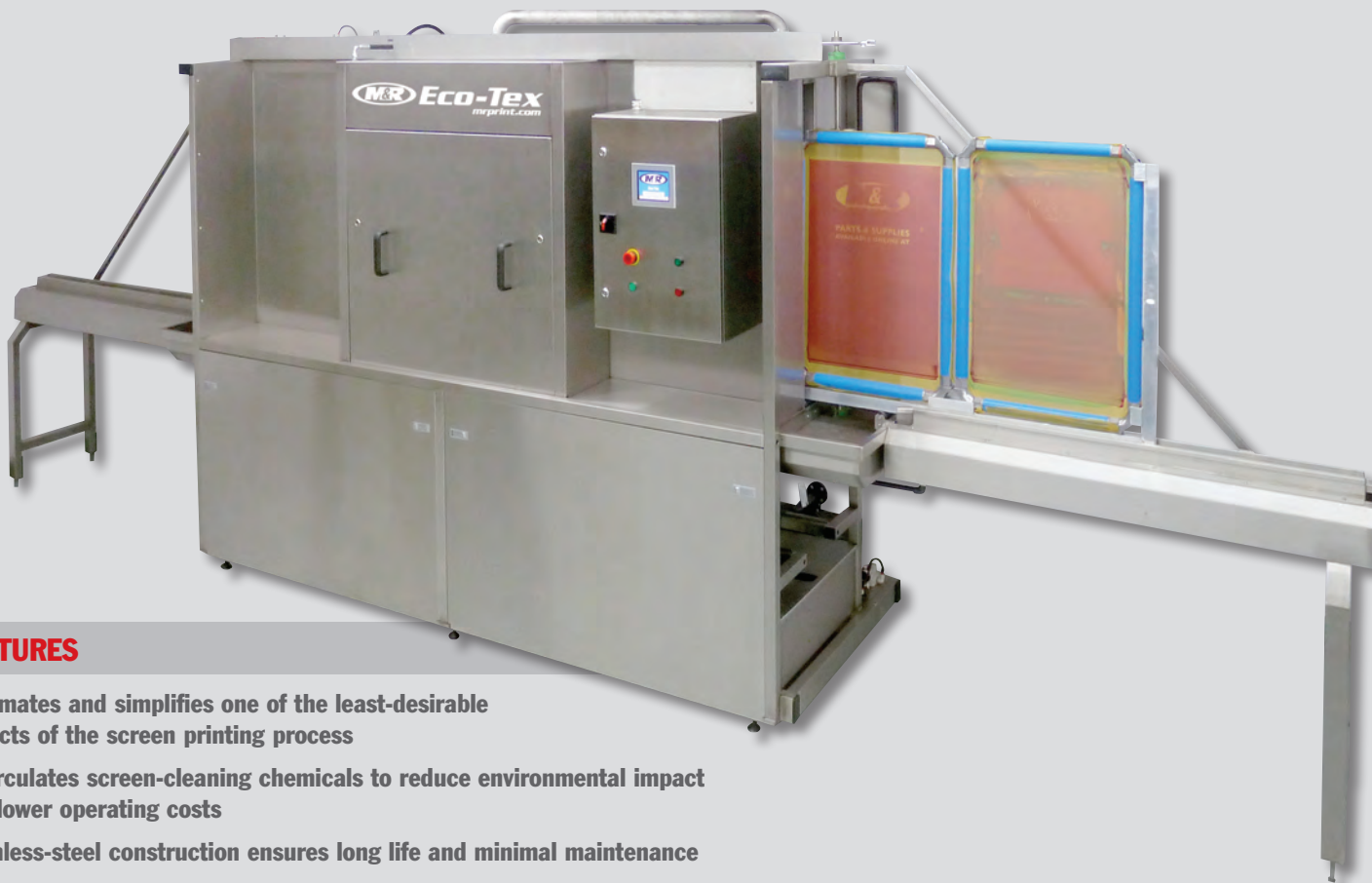


Automatic Screen Cleaning and Reclaiming System



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 screen frames 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 leaving the emulsion intact while removing ink, or of completely stripping ink, emulsion, and other residue from screens. Once the screens have been cleaned, Eco-Tex rinses them with a high-pressure fresh-water power wash. Power-washing both sides of the screen simultaneously helps maintain screen mesh tension. The entire procedure takes place in a single automated cycle—and in a single chamber. An electric conveyor with stainless-steel rollers moves dirty screens into the chamber and clean screens out. Cleaning solvents drain back into the holding tank after each cleaning cycle, reducing chemical use and lowering the cost of operation.

Eco-Tex is modular, so an additional chamber can be added to increase production capacity. A single-chamber Eco-Tex can typically clean up to 160 screens per shift (based on two screens per cycle). A dual-chamber Eco-Tex can nearly double that figure. The easy-to-clean filtration system helps prevent 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. Since it only requires a single operator, Eco-Tex reduces per-screen labor costs. In addition, the operator is free to perform other tasks while the screens are being cleaned, increasing productivity. Screen holders are available in numerous sizes, and additional holders can be purchased for added convenience and faster turnaround. Eco-Tex is economical to operate, and it helps shops keep screen-cleaning/reclaiming areas clean.

Eco-Tex offers user-friendly touchscreen control over all operations, and it includes complete self-diagnostic functionality. The machine's compact footprint makes it easy to place in most shops, and its reversible conveyor allows right-to-left, left-to-right or return-to-entry-point 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.

www.mrprint.com
store.mrprint.com

ECO-TEX™

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)

CONTROL CENTER

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

DESIGN & CONSTRUCTION

- All stainless-steel construction



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
- One-year limited warranty
- Parts & supplies are available online at store.mrprint.com

OPTIONS & ACCESSORIES

DESIGN & CONSTRUCTION

- Second cleaning chamber enables higher throughput

SCREEN HOLDERS

- Screen holders available in numerous sizes

SCREEN WASHING & RECLAIMING CHEMICALS

- Eco-Reclaim strips stencil (emulsion)
- Eco-Wash cleans ink residue out of the screens
- M&R's proprietary screen-cleaning 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

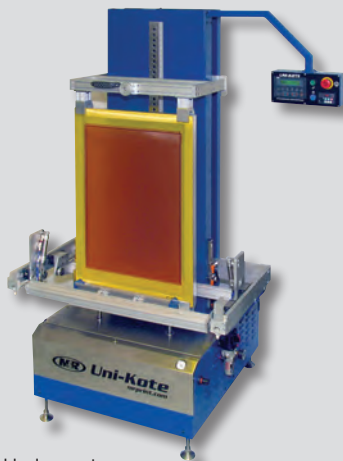
³ Static pressure

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

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-TEX 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
M&R • NUARC • AMSCOMATIC

M&R Sales and Service, Inc. 1N372 Main Street, Glen Ellyn, Illinois 60137-3576 USA

USA: 800-736-6431 / 630-858-6101 / Fax: 630-858-6134 • Outside USA: +1 847-967-4461 / Fax: +1 847-967-0417

M&R Printing Equipment, Inc. and its subsidiaries (hereinafter M&R), believe the information in this advertisement to be accurate at publication, though it does not purport to list all manufacturing and specification variations, nor does it assume liability resulting from incompleteness or inaccuracy. M&R reserves the right to change specifications without notice. M&R expressly disclaims any liability for damages, consequential or incidental, from purchase, installation, servicing, and/or use of any product/service based upon information herein. No warranties of merchantability or fitness for a particular purpose are made or are to be implied from the information herein. No information herein may be reproduced or used in any manner without the prior, express written consent of M&R in each case. Copyright 2015 M&R Printing Equipment, Inc. All rights reserved. 20150105