



The **NEXT** Generation
of Direct-to-Garment
Textile Printers

EZPrep Pretreatment System simplifies pretreatment & increases productivity

EZPrep automatically pretreats garments for use in direct-to-garment digital printing. And it's fast, with a per-garment average time of thirty seconds. The coverage area, spray-start and spray-stop positions, and the pretreatment dosage are controlled at the touchscreen interface, and Job Recall™ allows operators to store and retrieve saved parameter settings. Pretreatment can be applied on the inward scan of the spray carriage—and again on the outward scan if desired. EZPrep's four tool-free stainless steel nozzles are easy to remove and can be turned on or off in any combination.

EZPrep includes separate reservoirs for pretreatment solution and water, enabling the system to be cleaned simply by pressing a virtual button to flow water through the spray nozzles. The system is also designed to keep the nozzles clear by automatically initiating the cleaning process at programmed intervals during extended pauses in production. M&R's EZPrep System is designed for consistent performance, ease of maintenance, and trouble-free operation. It's the ideal companion for M&R's M-Link digital textile printers.

LINK Mobile Pallet System bridges the gap between screen printing presses & direct-to-garment digital printers

M&R's Link Pallet mobile pallet system (U.S. Patent Nos. 9,259,951 and 9,259,912) makes it easy to move substrates between screen printing presses and direct-to-garment digital printers without loss of registration. The foundation of Link is a pallet base with a built-in micro-registration system and spring-loaded pallet locators. The mobile pallet consists of an aluminum pallet that locks into position on the pallet base. The mobile pallets and the adhered substrate can then be moved from machine to machine at will without affecting substrate registration.

The Link Pallet system delivers phenomenal results on garments that require additional colors or types of garment decoration that may not be achievable on a single machine. It lets operators save time and money by printing the universal portion of the image on a screen printing press and finishing the garment by printing the customized portion on a digital printer.

FEATURES

- Phenomenal quality on images up to 38 x 51 cm (15" x 20")
- M-Link X prints whites in 30-45 seconds and blacks in less than a minute—and it's one-third the price of comparable printers
- M-Link prints whites in 45-60 seconds and blacks in under three minutes
- Ink-saving print modes and bulk ink supply deliver the industry's lowest cost per print

If you're a screen printer, embroiderer, or other garment-decorating professional thinking about entering the world of direct-to-garment printing, there are no better companions than M&R's M-Link and M-Link X digital textile printers. Both offer exceptional value, and M-Link X's combination of speed and quality makes it superior to direct-to-garment digital printers costing more than three times as much. M-Link and M-Link X print T-shirts, sweatshirts, cut pieces, and most flat, smooth fabric surfaces. And they're fast. M-Link prints white shirts in 45 to 60 seconds and dark shirts in two-and-one-half to three minutes. M-Link X is even faster, printing white shirts in an amazing 30 to 45 seconds and dark shirts in less than a minute. The phenomenal image quality is made possible by M&R's exclusive

Absolute Position Technology™ (APT), high-speed, long-life industrial printheads (rated at 100 billion actuations per nozzle), DuPont™ Artistri® BRITE digital textile inks, and M&R's proprietary i-Color™ RIP Software. Artistri® BRITE digital textile inks provide numerous advantages, including up to 40% color improvement compared to previous generation direct-to-garment inks and a pH balance that minimizes printhead issues like clogging. With color profiles designed specifically for Artistri® BRITE inks, i-Color™ RIP quickly converts digital art files into printed images with maximum sharpness, superior shading & tonal gradations, outstanding color accuracy, life-like skin tone representation, and minimal print time, enabling operators to turn out amazingly sharp text and line art with remarkable blending and photographic transitions.



Get more information on M&R's DTG printing systems at
WWW.MRPRINT.COM

M&R Sales and Service, Inc. 440 Medinah Road, Roselle, Illinois 60172-2329 USA

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

i-COLOR™ RIP

The wide variety of print modes available with M&R's i-Color™ RIP provide users an exceptional level of versatility for dealing with a wide variety of ink/substrate combinations, providing extraordinary results on 100% cotton fabrics in white, light, dark, and black—as well as some cotton blends and polyester fabrics. And the advanced underbase generator within i-Color™ RIP generates underbase layers that have just the right amount of contrast and coverage to support the overlying CMYK inks. But the main benefits are superior image quality and printed garments that are softer, more breathable, and much closer to water-based screen printing.



BULK INK SUPPLY

M-Links also feature a bulk-ink supply system. Each color channel has a one-liter main tank reservoir. To add more ink, all the operator needs to do is unscrew the cap of the main reservoir, pour in the desired ink, and put the cap back on. There is no shaking or chip-resetting involved. This allows us to sell ink in bulk quantities instead of more expensive ink cartridges.

MINIMAL INK WASTE

And M&R solved the issue of ink-waste and white-ink separation and settling by circulating white ink within the main ink reservoir and throughout the main white ink lines every 30 minutes when the printer is idle. All of this is done within a closed system, so no ink is wasted during the recirculating process—and it ensures that the printheads themselves can be periodically cleaned by purging only the tiniest amount of ink.

LOWEST COST PER PRINT

The combination of ink-saving print modes and the bulk-ink supply system give M-Link and M-Link X the lowest cost per print among direct-to-garment printers. In fact, with some competing printers, the cost per image can be up to four times as much. Some competitors may sell printers below cost knowing that they'll more than make up for it through the exorbitant cost of their proprietary inks.

INK-COST CALCULATOR

Operators can use the built-in ink calculator to estimate the per-print job cost without needing to print a shirt. In fact, operators can generate total job estimates in less than a minute. That vital job-costing feature is missing from most direct-to-garment printers.

IMAGE SIZES & PALLET OPTIONS



M-Link and M-Link X include a 36 x 52 cm (14" x 20.5") pallet which can be used to print images up to 36 x 51 cm (14" x 20").

An optional 41 x 51 cm (16" x 20") pallet can be used to print images up to 38 x 51 cm (15" x 20").

A 10 x 41 cm (4" x 16") sleeve-printing attachment and a 25 x 30 cm (10" x 12") youth printing pallet are also available.

PRINTHEAD PROTECTION

M&R's Z-axis laser printhead protection system scans garments for wrinkles, virtually eliminating costly head strikes.

QUALITY BUILD & EASY MOBILITY

Each M-Link and M-Link X is mounted on a sturdy steel frame set on casters. Once in place, retractable feet can be used to level the machine. This flexibility allows the unit to be repositioned as shops expand their businesses or reconfigure shop layout.

INCLUDED COMPUTER & MONITOR

Although most direct-to-garment digital printers are sold without a computer, that's not the case with M&R. Since trouble-free computer operation is essential to successful direct-to-garment printing, M&R integrates a computer and monitor into every digital printer package. And since each computer comes with all the software necessary for operation, users don't have to load or configure system software, much less resolve hardware or software conflicts. The inclusion of a PC also enables M&R to extensively test each system prior to shipment. There's no question that a complete preconfigured system is the surest way to seamless digital printer operation.

UNMATCHED VALUE

Professional garment decorators in search of outstanding quality at an unbelievable price will find it in M&R's M-Link and M-Link X direct-to-garment digital textile printers. And when it comes to high speed, low price, and minimal cost per image, M-Link X stands alone among digital textile printers.

SPECIFICATIONS	M-LINK & M-LINK X
Electrical Requirements ^{1,2}	208/230 V, 1 ph, 9 A, 50/60 Hz, 2 kW
Maximum Image Area	38 x 51 cm (15" x 20")
Overall Size (H x W x D)	137 x 165 x 142 cm (54" x 65" x 56")
Standard Pallet Size	36 x 52 cm (14" x 20.5")

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.
² 110 V step-up transformer is optionally available

PRINT MODES

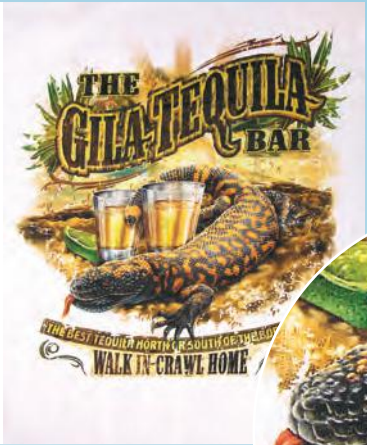
The four most popular print options are single-pass modes for printing on white, color, and black, as well as a single-pass highlight mode. **White Mode** prints C-M-Y-K with no underbase on white or light-color shirts. **Color One-Pass Mode** prints a gradated white underbase and C-M-Y-K on color shirts. **Black One-Pass Mode** prints a gradated white underbase and C-M-Y on black shirts, using the shirt's color for black areas of the image.



BLACK ONE-PASS MODE
C-M-Y
with Gradated White Underbase



On light-color shirts with light pretreatment, **Highlight Mode** prints C-M-Y-K and a white highlight—but without a white underbase. Since two white printheads are positioned ahead of the color printheads, M-Link and M-Link X are capable of printing the white and color layers in the same pass. On applicable artwork, this results in excellent images at maximum print speed. What is perhaps most impressive is the way i-Color™ is able to recognize black and near-black tonal



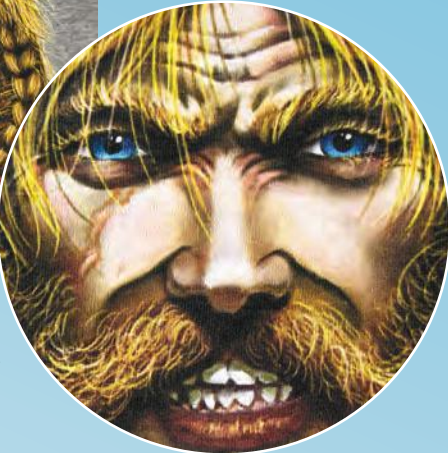
WHITE MODE
C-M-Y-K Only



ranges in digital artwork. And in **Black One-Pass Mode**, i-Color™ uses that information to prevent the printheads from laying down white underbase and black ink on black areas of the shirt. i-Color™ also uses the black areas of the shirt when toning out colors in shadows and gradients, only printing white in gradients where necessary to underbase the colors.



COLOR ONE-PASS MODE
C-M-Y-K
with Gradated White Underbase



Whether in one-pass or two-pass mode, i-Color™ will only print a full white underbase where colors require maximum vibrancy. **Black One-Pass Mode** and **Highlight Mode** save ink, reduce cost, and increase print speed.



HIGHLIGHT MODE
C-M-Y-K
with White Highlights Only

