

## Pretreatment System for Direct-to-Garment Printers

### FEATURES

- i-Prep's consistent application of pretreatment solution can reduce overall consumption and decrease costs up to a third
- Designed to maximize print consistency, minimize overspray, and eliminate guesswork
- Delivers full-front coverage in seven to ten seconds

i-Prep automatically pre-treats black and colored garments for direct-to-garment digital printing. Proper pretreatment is essential for garment-to-garment print consistency, and pre-treating black and dark garments prior to printing ensures the most accurate and vibrant images possible. i-Prep is designed to maximize print consistency, minimize overspray, and eliminate guesswork from the pretreatment process. i-Prep's consistent application of pretreatment solution can reduce overall consumption and decrease costs up to a third.

i-Prep improves productivity by delivering full-front coverage in seven to ten seconds. The coverage area and pre-treatment dosage is controlled by simple air pressure and pallet speed adjustments. With i-Prep, pretreatment can be applied as the pallet enters the spray chamber, as the pallet exits the spray chamber, or it can be applied as the pallet moves in both directions. The spray nozzle can be adjusted up and down and side to side to achieve the optimal spray pattern. Spray-start and spray-stop positions are managed by an easily adjustable PLC controller.

i-Prep includes separate reservoirs for pretreatment solution and water, enabling the system to be cleaned simply by turning a valve and sending water through the spray nozzles. M&R's i-Prep System is constructed of powder-coated food-grade stainless steel to ensure trouble-free operation. It's the ideal companion for M&R's i-Dot digital textile printers.



### SPECIFICATIONS

	i-Prep
Air @ 6,9 bar (100 psi)	57 l/min (2 cfm)
Electrical Requirements	110 V, 1 ph, 1.5 A, 50/60 Hz, 0.17 kW
Overall Size (L x W x H)	135 x 69 x 150 cm (52" x 27" x 59")
Shipping Weight	113 kg (250 lb)



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**M&R Sales and Service, Inc. 1N372 Main Street, Glen Ellyn, Illinois 60137-3576 USA [DIGITAL.MRPRINT.COM](http://DIGITAL.MRPRINT.COM)**  
**USA: 800-736-6431 / 630-858-6101 / Fax: 630-858-6134 • Outside USA: +1-847-967-4461 / Fax: +1-847-967-0417**

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# Accessories & Supplies



**M&R Online Store:** [store.mrprint.com](http://store.mrprint.com)

More than 10,000 parts, accessories, and supplies are now available online 24/7 at the M&R Store. The store carries parts for M&R equipment and for many other types and brands of industrial machinery.

M&R's inventory includes a wide range of electrical, mechanical, and pneumatic parts. The store also carries a full range of supplies and accessories for M&R's i-Dot Digital Textile Printer and i-Screen Computer-to-Screen Imaging System. Digital printer supplies include bulk DuPont™ Artistri® Inks for all compatible digital-textile printers.

## i-Pak™ Inks

DuPont Artistri Ink in i-Pak printer cartridges and bulk containers is compatible with i-Dot, T-Jet, and other Epson-based printers. Artistri Inks produce brilliant prints and exceptionally color-fast results on textile fabrics.



## i-Pak™ Bulk Ink System

M&R's i-Pak Bulk Ink System is a valuable accessory for high-output i-Dot users, who will appreciate the lower price of Artistri Ink in bulk, and the freedom from changing out cartridges.



## i-Prep™ Pre-Treatment Solution

i-Prep Pre-Treatment Solution is a must for digital textile printing on colored and black substrates. When properly applied and cured prior to printing, i-Prep provides the base necessary for vibrant colors and precise results. It's available in convenient 1-quart and economical 1-gallon and 5-gallon sizes.



## i-Tank™ Recovery System

M&R's i-Tank Ink-Recovery System captures ink and cleaning solution recovered during printhead cleaning and priming. Spare refills allow users to swap tanks during printer operation and delay tank cleaning for a more convenient time. i-Tank refills include five foam block refills for the ink recovery tank, latex gloves, and disposal bags.



## i-Tack™ Pallet Adhesive

i-Tack Pallet Adhesive prevents substrate movement during the printing process, helping ensure precise alignment between the printhead and the substrate for the best possible prints. i-Tack is available in 500 ml bottles.



## i-Dot® Pallets

i-Dot Pallets are 20.5" in length and available in widths of 4", 10", 14" & 16.5". i-Dot Pallets are lightweight and rigid, and the varied lengths enable users to match garments to the proper-size pallets for optimal efficiency and convenience.



## i-Dot® Parchment Paper

i-Dot Silicon-Treated Parchment Paper is the ideal accessory for curing printed garments. Simply place the garment on the heat press, place the silicon-treated paper on top, and lower the heat press platen. The paper will prevent wet ink from adhering to the platen and help ensure that the inks are fully cured. i-Dot Silicon-Treated Paper is available in 16" x 24" sheets.

