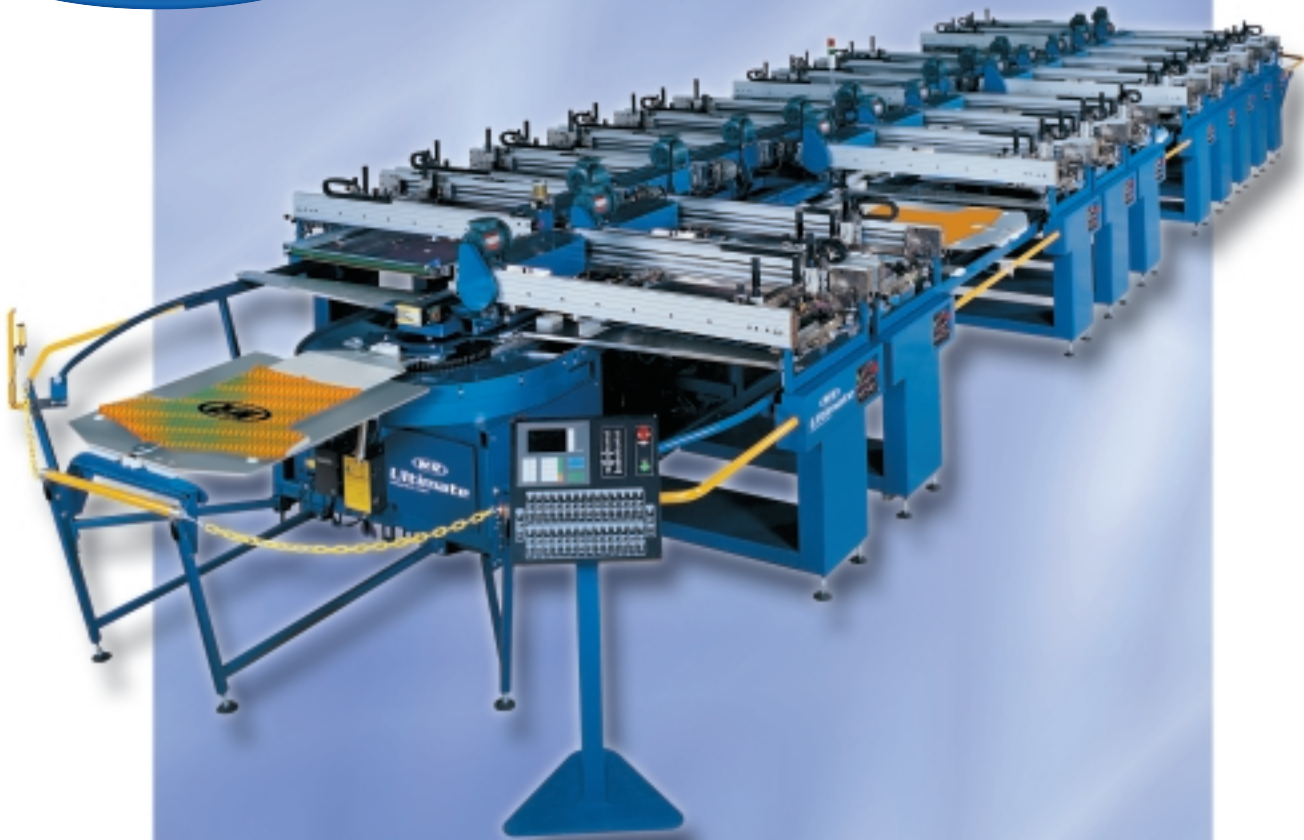




# Ultimate

Automatic Textile Press

Eng



## Ultimate®

Ultimate is M&R's fast and versatile oval press, with cycle speeds in excess of 75 dozen per hour. The Ultimate can be configured to meet current needs and expanded later to meet future demand. At maximum capacity, the Ultimate has the ability to print up to 26 colors. Ultimate's oval shape and modular design offer great flexibility in shop layout, making the most efficient use of available floor space. Print size on the Standard Ultimate is 24" x 36" (66 x 91 cm) with a 36" (91 cm) index repeat. The Super Ultimate print size is 42" x 36" (106.7 x 91.4 cm) with a 54" (137 cm) index repeat. Both models excel on cut pieces and T-shirts.

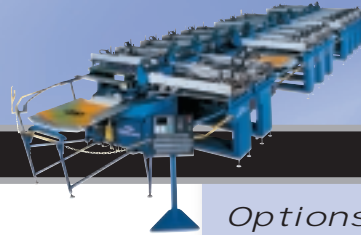
Ultimate is user-friendly with fast setup, excellent production speed, and unbeatable print quality. With its servo-drive indexing system and AC frequency-controlled electric drive print heads, the Ultimate offers unmatched speed, consistency, and reliability. It's also the only oval press with a three-point pallet leveling system as standard equipment. Ultimate is loaded with other standard features, including a production speed monitor for more accurate job costing, a test print setting that turns individual print heads on/off during test print cycles, single/double indexing, and patented front and rear pallet locators that ensure consistent registration. A fully adjustable, synchronized screen peel system accurately sets screen peel rate for consistently sharp prints and minimal ink buildup, pneumatic screen clamps provide rapid screen loading and unmatched stability on a wide variety of screens, and M&R's patented Ink Dip Retrieval System keeps ink in the print area. Options include pneumatic squeegee/floodbar locks and squeegee pressure regulators. Super Ultimate includes M&R's patented All-Over Printing System.

Like all M&R equipment, Ultimate and Super Ultimate are built with M&R's unsurpassed commitment to quality, durability, and design excellence, and are backed by the best service and support in the industry. There's no need to look elsewhere for a do-everything machine when M&R offers the ultimate in versatility.

[www.nuarc.co.kr](http://www.nuarc.co.kr)

# Ultimate

## Automatic Textile Press



### Standard Features

#### All-Over Printing (Super Ultimate)

- Provides complete print coverage of T-shirts (U.S. Patent No. 5,199,353)

#### Carousel/Indexer

- Clockwise or counterclockwise rotation

#### Certification

- Panel meets Underwriter's Laboratories® (UL) standards and carries the UL label

#### Color Capacity (Stations/Colors)

- Standard Ultimate: 14/12, 18/16, 22/18, 26/22, & 30/26
- Super Ultimate: 14/12, 18/16, & 22/18

#### Control Center

- Control panel offers easy navigation with programming and prompts in plain language
- Digital keypad with alphanumeric display
- Digital microprocessor with self-diagnostics
- Independent print start/print finish setting automatically activates and stops print heads at the beginning and end of production runs for operator convenience
- Jog left/jog right controls
- Production speed monitor for more accurate job costing
- Single/Double print stroke capability
- Test print setting turns individual print heads on/off during test print cycle
- Versatile pedestal-mounted control panel can be placed where needed

#### Design & Construction

- Constructed of rigid steel & aluminum and premium components
- Print heads and pallet arms provide the stability necessary for exceptional print quality

#### Index System (Servo Drive)

- Allows quick adjustment of indexing parameters tailored to various pallet sizes
- Offers single and double-index capability
- Sophisticated servo-drive system combines high press speeds with exceptional smoothness, consistency, and longevity

#### Ink Dip System

- Retrieval system keeps ink in print area (U.S. Patent No. 5,649,479)

#### Master Frame

- Completely adjustable master frame system

#### Maximum Image Area

- 24" x 36" (61 x 91 cm): Standard Ultimate single index area
- 42" x 36" (106.7 x 91.4 cm): Super Ultimate single index area
- Double-index print area: Contact M&R for dimensions

#### Pallet System

- Front and rear locators ensure consistent registration (U.S. Patent Nos. 4,735,139 and 4,909,146)
- Three-point pallet leveling system allows easy adjustment
- Tool-free quick release locking system for rapid adjustment, installation, and removal

#### Pallets

- Solid-aluminum, low-profile, rubber-coated pallets

#### Peel System

- AC heads with fully adjustable synchronized screen peel system for consistently sharp prints and minimal ink buildup

#### Print Carriage

- True close-tolerance linear bearing carriage system for uniform ink deposit

#### Print Heads

- AC variable-frequency drive motors are brushless, maintenance-free, and offer the ultimate in print control
- Four-point off-contact adjustment on all print heads
- High-Lift mode on front screen holder makes setup fast and mid-run screen changes easy
- Independent print button on each head facilitates test printing
- Independent print/flood speed controls on each head simplify press setup and job proofing
- Independent reset button on each head enables freewheeling of carousel during setup

#### Registration

- Enhanced front micro-registration adjustments with visual guides
- Locking rear micro-registration provides additional control

#### Screen Clamps & Holders

- Adjustable rear screen holders accommodate a wide range of screen sizes
- Clamping system holds roller frames without clamp adapters
- Compatible with numerous registration systems, including M&R's Tri-Loc® and Newman Pin-Lock®
- Pneumatic screen clamps facilitate rapid screen loading and deliver excellent stability on a wide variety of screens

#### Squeegee/Floodbar

- Angle and calibrated pressure adjustments are independently set for superior print quality

- Front or rear print carriage stop position allows operator to leave screen clear or flooded (great for water-based inks)

- Independent squeegee & floodbar speed adjustments

- Park position allows easier squeegee/floodbar installation and removal

### Options & Accessories

#### All-Over Printing (Standard Ultimate)

- Provides complete print coverage of T-shirts (U.S. Patent No. 5,199,353)

#### Certification

- CE Compliant (Built to specifications established by the European Committee for Standardization<sup>1</sup>)

#### Control Center

- MPR (Management Production Reporting) Software System<sup>2</sup>

#### Flash Curing

- M&R offers a full range of flash cure units

#### Foot Pedal Control

- Allows indexing of the press using a foot pedal instead of the control panel switch

#### Optic Shirt Detector

- Minimizes misprints, facilitates operator training, and allows increased production speed (U.S. Patent No. 5,383,400)

#### Pallets

- M&R offers a wide range of sizes and styles
- Pivoting flip pallets make it possible to print both sides of a T-shirt without removing the shirt from the press

#### Skip Print

- Allows operator to skip empty pallets during All-Over Printing

#### Squeegee/Floodbar

- Pneumatic squeegee/floodbar locks with tool-free angle adjustment
- Squeegee air regulator with a pressure gauge on each print head delivers exacting pressure control

#### Tri-Loc® Rapid Registration System

- Dramatically speeds setup

#### Stroke Length

- Calibrated front and rear stroke length with tool-free adjustment maximize print speed and efficiency, and reduce the working of ink

- Front stroke length adjustment

#### Service

- 24-hour hotline

#### Training

- Access to M&R's Training Center

#### Warranty

- Two-year limited

### SPECIFICATIONS

Model (Stations-Colors)***	Maximum Image Standard	Maximum Frame Size	Maximum Image Area (All-Over Printing)**	Maximum Frame Size (All-Over Printing)**	Overall Width	Overall Length	Air @ 100 PSI	Electrical Requirements*	Shipping Weight
Ultimate 14-10	24" X 36" (61 X 91 cm)	33" X 50" X 2" (84 X 127 X 5 cm)	42" X 36" (107 X 91 cm)	50" X 50" X 2" (127 X 127 X 5 cm)	13' 2" (401 cm)	30' (914 cm)	22 scfm	208/230v, 3 phase 53/48 amps, 60 Hz	8000 lbs (3629 kg)
Ultimate 18-14	24" X 36" (61 X 91 cm)	33" X 50" X 2" (84 X 127 X 5 cm)	42" X 36" (107 X 91 cm)	50" X 50" X 2" (127 X 127 X 5 cm)	13' 2" (401 cm)	36' (1097 cm)	30 scfm	208/230v, 3 phase 65/59 amps, 60 Hz	10000 lbs (4536 kg)
Ultimate 22-18	24" X 36" (61 X 91 cm)	33" X 50" X 2" (84 X 127 X 5 cm)	42" X 36" (107 X 91 cm)	50" X 50" X 2" (127 X 127 X 5 cm)	13' 2" (401 cm)	42' (1280 cm)	38 scfm	208/230v, 3 phase 76/69 amps, 60 Hz	12000 lbs (5443 kg)
Ultimate 26-22	24" X 36" (61 X 91 cm)	33" X 50" X 2" (84 X 127 X 5 cm)	42" X 36" (107 X 91 cm)	50" X 50" X 2" (127 X 127 X 5 cm)	13' 2" (401 cm)	48' (1463 cm)	46 scfm	208/230v, 3 phase 88/80 amps, 60 Hz	14000 lbs (6351 kg)
Ultimate 30-26	24" X 36" (61 X 91 cm)	33" X 50" X 2" (84 X 127 X 5 cm)	42" X 36" (107 X 91 cm)	50" X 50" X 2" (127 X 127 X 5 cm)	13' 2" (401 cm)	54' (1646 cm)	54 scfm	208/230v, 3 phase 100/90 amps, 60 Hz	16000 lbs (7258 kg)
Super Ultimate 14-10	42" X 36" (107 X 91 cm)	50" X 50" X 2" (127 X 127 X 5 cm)	42" X 36" (107 X 91 cm)	50" X 50" X 2" (127 X 127 X 5 cm)	13' 2" (401 cm)	39' 4" (1199 cm)	22 scfm	208/230v, 3 phase 53/48 amps, 60 Hz	10000 lbs (4536 kg)
Super Ultimate 18-14	42" X 36" (107 X 91 cm)	50" X 50" X 2" (127 X 127 X 5 cm)	42" X 36" (107 X 91 cm)	50" X 50" X 2" (127 X 127 X 5 cm)	13' 2" (401 cm)	48' 4" (1473 cm)	30 scfm	208/230v, 3 phase 65/59 amps, 60 Hz	12000 lbs (5443 kg)
Super Ultimate 22-18	42" X 36" (107 X 91 cm)	50" X 50" X 2" (127 X 127 X 5 cm)	42" X 36" (107 X 91 cm)	50" X 50" X 2" (127 X 127 X 5 cm)	13' 2" (401 cm)	57' 4" (1748 cm)	38 scfm	208/230v, 3 phase 76/69 amps, 60 Hz	14000 lbs (6351 kg)

\* If incoming voltage differs from the voltage(s) listed in this brochure, calculate amperage accordingly

\*\* Optional All-Over Print Kit with double index is required on the Standard Ultimate

\*\*\* Call for specifications on 16, 20, 24 & 28-station presses

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