

## Oval Automatic Textile Press



### FEATURES

- Designed specifically for cut-piece printing
- Alpha 8 style-printheads
- Oval shape makes more efficient use of available production area

Encore is M&R's newest oval-shaped press, and it's designed specifically for the needs of cut-piece operations. Built around a 10-station base module, Encore is available in 10, 18, 26, 34, and 42-station configurations. The press can rotate in either direction, and models can be set up so that each printhead is followed by one open station (print/flash) or by two open stations (print/flash/cool). No cut-piece press is more flexible. Since Encore's oval shape takes up less floor space than comparable carousel presses, it makes more efficient use of available production area. This also allows the Encore to fit into spots where no carousel press could. Cleverly-designed safety skirting surrounds the press, and the fully-enclosed ends can be used to stack substrate or to provide easy access to print-related materials. Encore has a maximum image area of 50 x 70 cm (20" x 28").

Encore's digital touch-screen control panel with icon-based labeling can display information and commands in numerous languages, simplifying press operation and training anywhere in the world. It features a digital microprocessor with self-diagnostics and a production speed monitor to ensure more accurate job costing. The control panel is mounted on a pedestal with casters to give operators the ability to easily change its position. Encore has multiple print stroke capability and an independent print-start/print-finish setting that automatically activates and stops printheads at the beginning and end of production runs.

Encore incorporates a sophisticated servo-drive indexing system that combines high speed with smooth operation and precise control, making it possible to achieve index speeds up to 700 pieces per hour. Index speed parameters can be adjusted quickly and easily. Encore also incorporates multiple-indexing capability. Encore features M&R's wildly popular Alpha 8-style printheads. They're driven by fast, reliable variable-frequency AC drive motors that deliver smooth print strokes and exceptional control. Simple print-stroke adjustment promotes exceptionally high production rates. Encore's Alpha 8-style printheads also incorporate an elegantly simple method of adjusting off-contact at all four corners of the screen frame quickly and independently—all without tools. There are independent print and reset buttons and independent print/flood speed controls on each printhead to simplify setup and operation. Encore's high-lift mode simplifies screen loading, unloading, inspection and cleaning. Encore, with its efficient design and high production speed is the most versatile cut-piece press on the market today.

## STANDARD FEATURES

### CERTIFICATION

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

### CONTROL CENTER

- Control panel is mounted on a caster-equipped pedestal
- Digital microprocessor with self-diagnostics
- Digital touch-screen control panel with icon-based labeling can display information and commands in numerous languages, simplifying press operation and training anywhere in the world
- Independent print-start/print-finish setting automatically activates and stops printheads at the beginning and end of production runs
- Jog-left/jog-right controls
- Multiple (1-9) print stroke capability
- Production speed monitor ensures more accurate job costing
- Test print setting turns individual printheads on/off during test print cycle

### DESIGN & CONSTRUCTION

- 10-Station Base/Drive Module can also be ordered in 18, 26, 34 and 42-station configurations (custom configurations may be available—contact M&R for details)
- Built of heavy-duty steel and premium components
- Each model can be set up so that every printhead is followed by one open station (print/flash) or by two open stations (print/flash/cool)
- Oval shape takes up less floor space than comparable carousel presses
- Printheads and pallet arms provide the stability necessary for exceptional print quality
- Safety skirting surrounds the press, and the fully-enclosed ends can be used to stack substrates or to provide easy access to print-related materials

### INDEX SYSTEM

- Allows quick adjustment of index speed parameters
- Clockwise or counterclockwise rotation
- Servo drive offers multi-index capability
- Servo drives combine higher press speeds with exceptional smoothness, consistency, and longevity

### OFF-CONTACT

- Calibrated and tool-free four-corner off-contact settings allow fast and accurate individual off contact settings per head

### PALLETS

- Pallets are 56 x 81 cm (22" x 32")
- Wider pallet supports and fixed solid aluminum pallets provides rock-solid stability

### PRINTHEADS

- Brushless and maintenance-free electric-drive motors deliver smooth print strokes and exceptional control
- Independent print and reset buttons on each printhead
- Independent print/flood speed controls on each printhead simplify press setup
- Printhead high-lift mode simplifies screen loading, unloading, inspection and cleaning

### REGISTRATION

- Enhanced front and rear micro-registration adjustments with visual guides
- Innovative pallet registration system provides exceptional accuracy

### SCREEN CLAMPS & HOLDERS

- Adjustable rear screen holders accommodate a wide variety of screen sizes
- Clamping system holds roller frames without special adapters
- Pneumatic screen clamps facilitate rapid screen loading and deliver excellent stability on a wide variety of screens

### SQUEEGEE/FLOORBAR

- Angle and calibrated pressure adjustments are independently set
- Front or rear print carriage stop position allows operator to leave screens clear or flooded (great for water-based inks)
- Independent squeegee & floorbar speed adjustments
- Pneumatic squeegee/floorbar locks with tool-free angle adjustment
- Squeegee air regulator with a pressure gauge on each printhead

### STROKE LENGTH ADJUSTMENT

- Calibrated front & rear stroke length with tool-free adjustment maximizes print speed

### 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](http://store.mrprint.com)
- Two-year or 2,000,000-cycle limited warranty

## OPTIONS

### FOOT PEDAL CONTROL

- Allows indexing of the press using a foot pedal
- Skip-pallet feature allows operators to avoid printing empty pallets

## SPECIFICATIONS

	Encore 18	Encore 26	Encore 34	Encore 42
Air @ 6,9 bar (100 psi) (print/flash/cool configuration)	382 l/min (13.5 cfm)	510 l/min (18 cfm)	637 l/min (22.5 cfm)	892 l/min (31.5 cfm)
Air @ 6,9 bar (100 psi) (print/flash/print configuration)	510 l/min (18 cfm)	765 l/min (27 cfm)	1019 l/min (36 cfm)	1274 l/min (45 cfm)
Electrical Requirements (print/flash/cool configuration) <sup>1</sup>	400 V, 3 ph, 21 A, 50/60 Hz, 7 kW	400 V, 22 ph, 22 A, 50/60 Hz, 8 kW	400 V, 3 ph, 26 A, 50/60 Hz, 8 kW	400 V, 3 ph, 29 A, 50/60 Hz, 10 kW
Electrical Requirements (print/flash/print configuration) <sup>1</sup>	400 V, 3 ph, 22 A, 50/60 Hz, 8 kW	400 V, 3 ph, 28 A, 50/60 Hz, 9 kW	400 V, 3 ph, 33 A, 50/60 Hz, 11 kW	400 V, 3 ph, 36 A, 50/60 Hz, 12 kW
Maximum Frame Size	79 x 109 cm (31" x 43")	79 x 109 cm (31" x 43")	79 x 109 cm (31" x 43")	79 x 109 cm (31" x 43")
Maximum Image Area	50 x 70 cm (20" x 28")	50 x 70 cm (20" x 28")	50 x 70 cm (20" x 28")	50 x 70 cm (20" x 28")
Maximum Printheads (print/flash/cool configuration)	6	8	11	14
Maximum Printheads (print/flash/print configuration)	8	12	16	20
Overall Size (L x W)	317 x 1066 cm (125" x 420")	317 x 1409 cm (125" x 555")	317 x 1752 cm (125" x 690")	317 x 2094 cm (125" x 825")
Standard Pallet Size	56 x 81 cm (22" x 32")	56 x 81 cm (22" x 32")	56 x 81 cm (22" x 32")	56 x 81 cm (22" x 32")
Stations	18	26	34	42

<sup>1</sup> If incoming voltage differs from the voltage(s) listed in this brochure, calculate amperage accordingly. Other electrical configurations are available. Contact M&R for details



**The M&R Companies**  
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