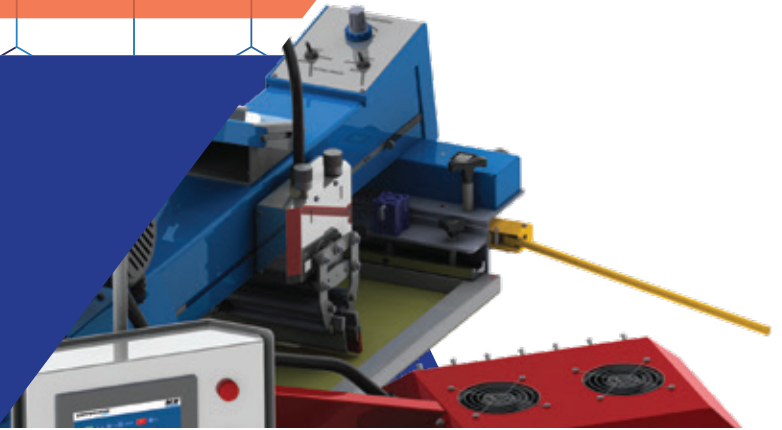




**M&R**<sup>TM</sup>  
**GLOBAL**



**COPPERHEAD**

■ ■ ■ Powered By **DCC**



**PRO MAX**

**AUTOMATIC PRESS**



M&R Global's Copperhead presses are the benchmark in automatic screen printing presses, combining highest quality components, leading class craftsmanship and high speed production to give you one of the finest presses, at an amazingly competitive price.

Light weight honeycomb pallets with soft top rubber pads avoid excess overheating after flashing, which is one of the key features for printers using water base and discharge inks.

Squeegee pressure equalizer system ensures uniform ink deposit to achieve consistency in color reproduction.

With electric printheads, tool-free squeegee/floodbar angle adjustments, pneumatic frame locks and independent squeegee/flood speeds provide operators with all the time-saving features needed for quick setups. The Copperhead is compatible with Tri-Loc I Series and Tri-Loc®, which further minimizes setup times and maximizes run times and productivity.

With 8-station configurations, there is sure to be a Copperhead that meets your needs. You can rest assured that whichever you choose, M&R Global™ has you covered with best-in-class design, service and support.

**FEATURES**

- **Maximum Image Size: 14 x 15" / 35 x 38 cm**
- **Standard Pallet Size: 15 x 22" / 38 x 55 cm**
- **Standard Front And Rear Locking Micro-registration**
- **Standard Pneumatic Frame Locks**
- **High-Resolution Touchscreen Control Panel With Easy-to-use, Icon-based Logic And Built-in Tutorial Screens**

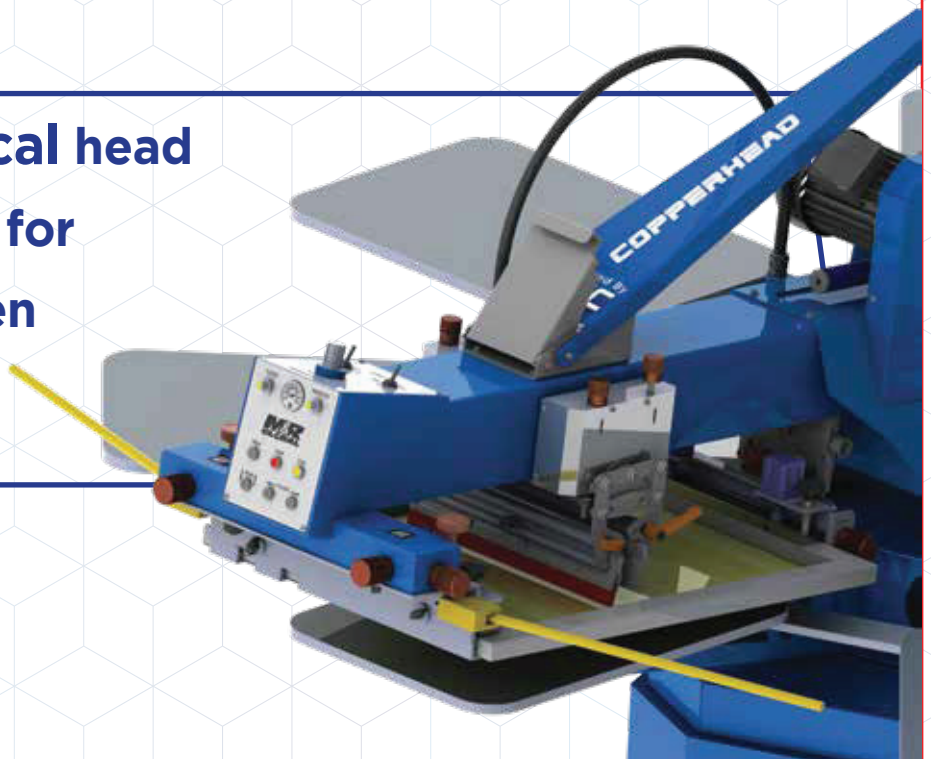
**AUTOMATIC PRESS****The Squeegee Equalizer System**

Ensures consistent & strong pressure all over the print area to deliver uniform ink deposit.

By properly managing printing ink distribution, the Copperhead print head design increases print speeds to achieve higher production while using the least amount of print strokes.



**Individual mechanical head lifts assist operators for quick and easy screen cleaning**



## SPECIFICATION



Copperhead Pro Max	
Max. Print heads	3
Max. Stations	8
Standard Image Size	14 x 15" / 36 x 38 cm
Standard Pallet Size	15 x 22" / 38 x 56 cm
Standard Frame Size	22 x 27" OD / 56 x 69 cm
Max. Screen Frame Thickness	1"- 1.5"
Inbuilt Plug to connect Flash Curing Unit	3
Power Consumption (with 3 Flash Curing)	23kW
Air Consumption	Max. 7kg/cm <sup>2</sup> , 145 lit/min main body (30 lit/min per head)
Electrical Specification (without Flash Units)*	208-230V, 3ph, 60Hz, 2.12kW, 6 Amp per phase 400-440V, 3ph, 60Hz, 2.12kW, 3 Amp per phase
Squeegee Rubber Specification	8 x 30 mm
Total Machine Height	90" (7.5ft)
Diameter	114" (9.5ft)
Base Dimension (L x W) in mm (L x W) in feet	940(L) x 770(W) 3'(L) x 2.5'(W)
Total Machine Weight (with Flash Cure Units)	710 kg

\*Use servo stabilizer to safeguard machine from voltage fluctuation out of main supply



**STANDARD FEATURES**



**CARROUSEL/INDEXER**

- Clockwise or counterclockwise rotation

**CONTROL CENTER**

- Icon-based digital touchscreen control panel
- Independent print-start/print-finish setting automatically activates and stops printheads at the beginning and end of screen printing runs
- Multiple (1-9) print stroke capability



- Onboard self-diagnostics
- Provides control of multi-print functionality
- Production speed monitor ensures more accurate job cost estimates
- Real-time production data
- Built-in flash connector controlled by touch screen display
- Optional foot pedal allows operator to skip printing on a particular pallet
- Print Stack mode for HD and specialty printing available

**DESIGN & CONSTRUCTION**

- Test print setting turns individual printheads on/off during test print cycle
- Built of heavy-duty steel and premium components
- Printheads and pallet arms provide the stability necessary for exceptional screen print quality
- IR Lamp power in the flash cure units are adjustable to save energy costs and avoid excessive heat on the pallets

**INDEX SYSTEM**

- Press indexing parameters are quick and easy to adjust for various pallet sizes
- Servo drives combine higher screen printing press speeds with exceptional smoothness, consistency, and longevity

**LASER LOCATOR SYSTEM**

- Assists operators in the precise positioning of garments and cut pieces

**OFF-CONTACT**

- Tool-free four-corner off-contact settings allow fast and accurate screen leveling

**PALLET SYSTEM**

- Tool free quick release pallet locks

**PALLETS**

- Lightweight sandwich honeycomb aluminum, rubber-coated screen printing pallets

**PRINTHEADS**

- Low maintenance electric drive motors provide exceptionally smooth print strokes
- Independent print controls on each printhead
- Independent print/flood speed controls on each printhead simplify press setup
- Multi-print option with or without head lifting
- Squeegee print stroke can be set front-to-back or back-to-front (no period if you are using them on everything else)



**REGISTRATION**

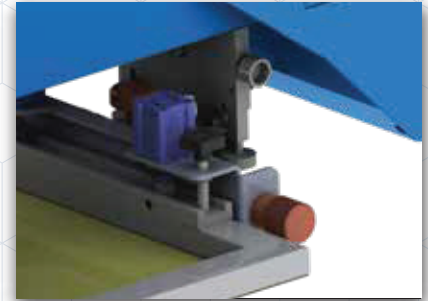
- Compatible with Tri-Loc and Tri-Sync registration systems.
- Enhanced front micro-registration adjustments with visual guides
- Rear micro-registration
- 4 point registration system provide consistent accurate set ups

**REVOLVER**

- Automatically operates individual printheads in programmed sequence and allows flashing without losing a screen printing position
- Touchscreen display with simplified programming provides easy setup of the Revolver Sequencing Program

**SCREEN CLAMPS & HOLDERS**

- Adjustable rear screen holders accommodate a wide variety of screen sizes
- Clamping system holds roller frames without special adapters
- Pneumatic clamps hold frames tight and allow rapid screen loading with a manual safety knobs saving registration in the event of a pneumatic air loss



**SQUEEGEE HOLDER**

- Squeegee holder can be quickly installed with a locking pin
- Helps prevent thinner water-based and discharge inks from flowing into the image area

**SQUEEGEE/FLOODBAR**

- 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 & floodbar speed adjustments
- Squeegee pressure regulator on each printhead offers exceptional control of print pressure
- Visual reference marks every 5 degrees simplify squeegee/floodbar angle adjustments

**STROKE LENGTH ADJUSTMENT**

- Tool-free stroke length adjustment maximizes screen printing 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.mrprintglobal.com](http://store.mrprintglobal.com)
- 1-year limited warranty

# PRO MAX



M&R Printing Equipment, 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