M&R™ GLOBAL

COPPERHEAD

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PRO FLEX

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AUTOMATIC PRESS

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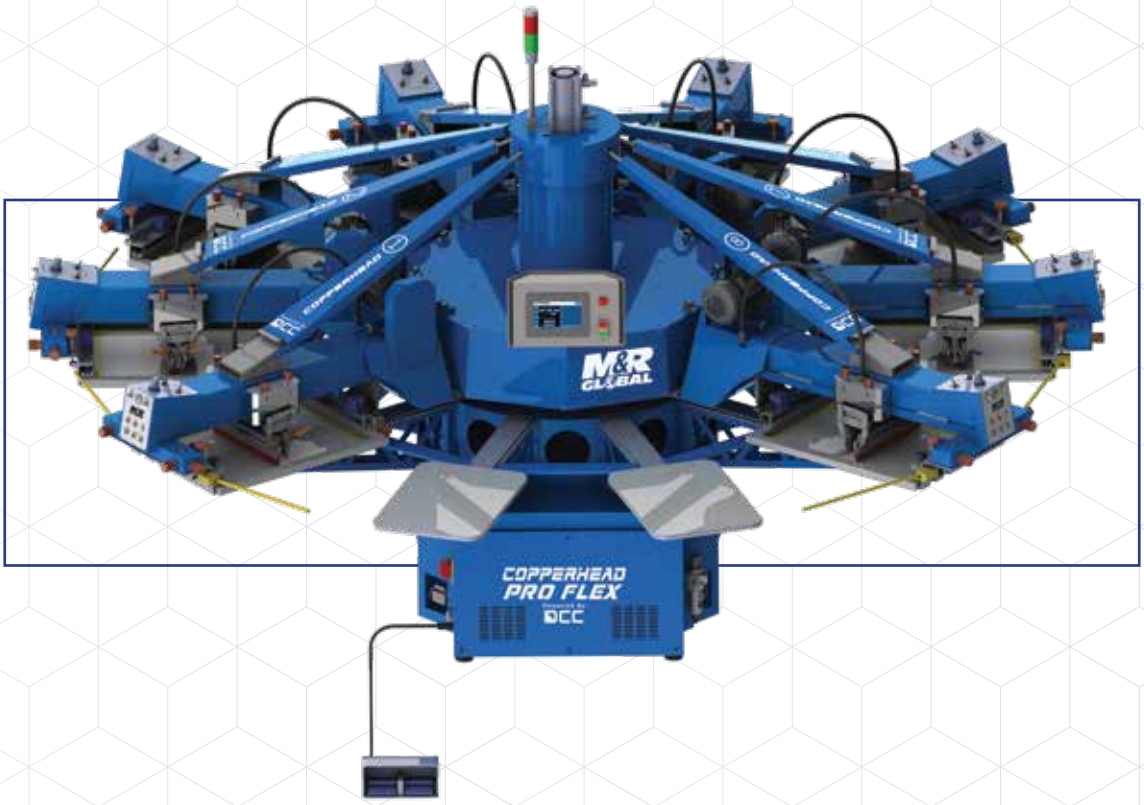

M&R Global 's Copperhead Pro Flex press includes all of the standard features of the larger series III presses, but in a compact size that is ideal for printers who focus on printing fast runs of promotional items such as t-shirts, tote bags, towels, and much more! The Copperhead Pro Flex is named for it's flexibility in where you can choose the position of your flashes during setup.

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 10-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

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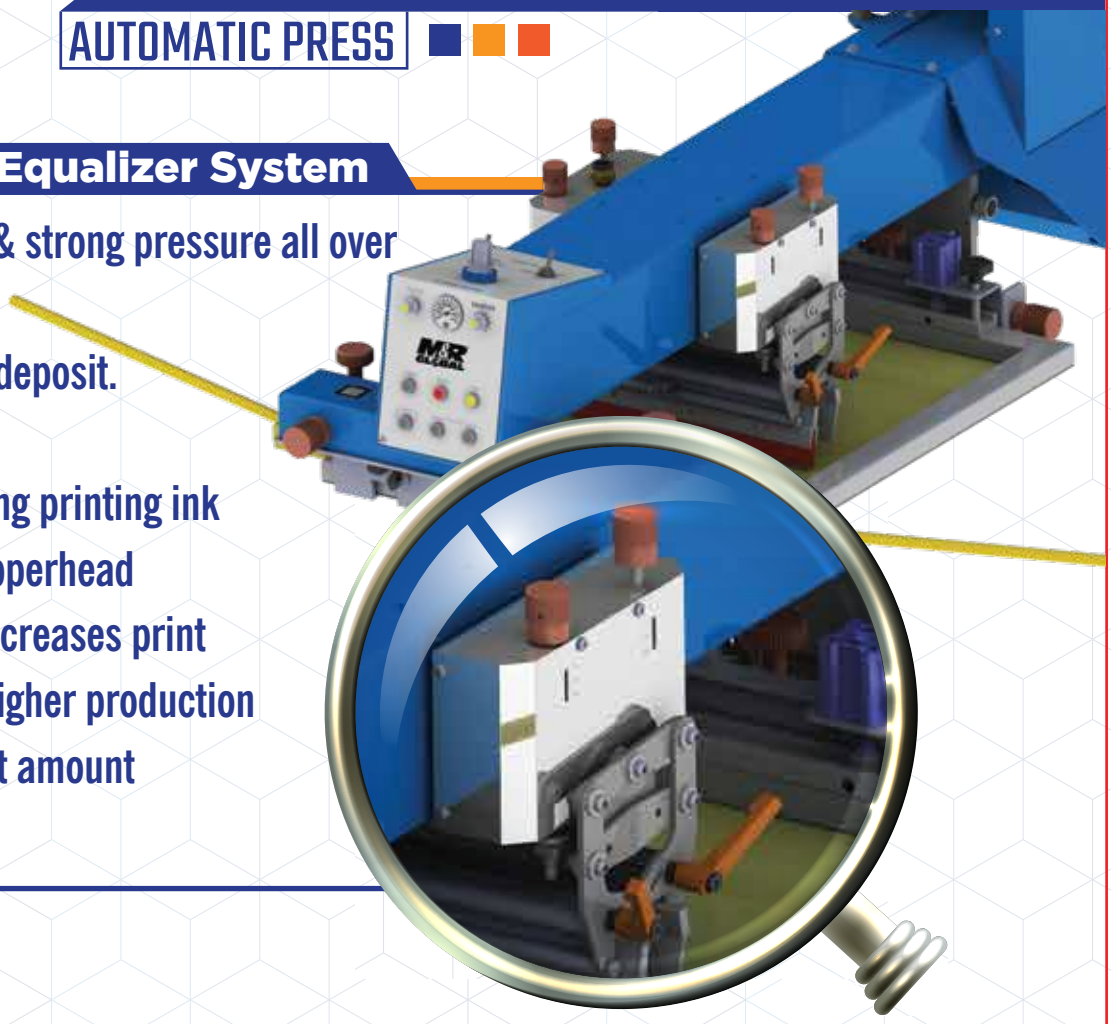
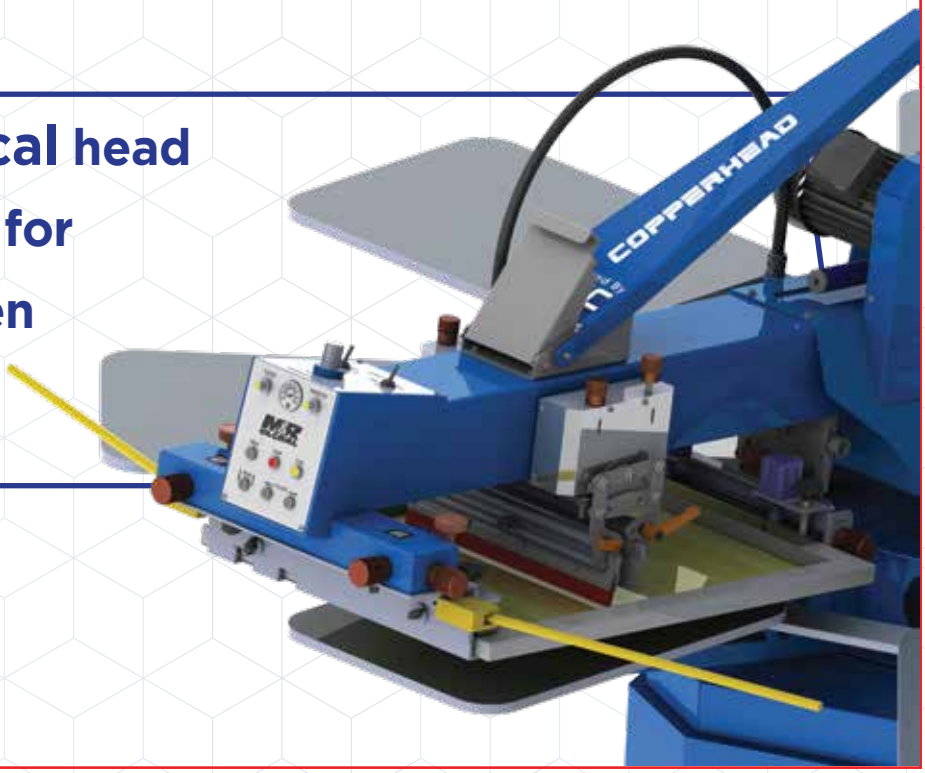
The Squeegee Equalizer System

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



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SPECIFICATION

Copperhead Pro Flex	
Max. Print heads	8
Max. Stations	10
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/cm2 , 205 lit/min main body (30 lit/min per head)
Electrical Specifications (Without Flash Cure 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	83" (6.8ft)
Diameter	140" (11.7ft)
Base Dimension (L x W) in mm (L x W) in feet	108(L) x 126(W) cm 3.6'(L) x 4.13'(W)
Total Machine Weight (with Flash Cure Units)	1160 kg

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

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STANDARD FEATURES

CARROUSEL/INDEXER
- Clockwise or counterclockwise rotation

CONTROL CENTER
- Icon-based digital touchsreeen 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 adjustabl 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 alumnium, rubber-coated screen printing pallets

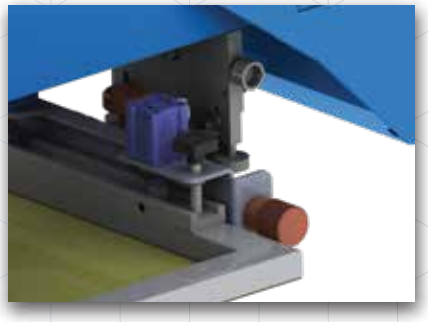
PRINTHEADS
- Low maintenance electric drive motors provide exceptionally smooth print strokes
- Independent print controls on each printhead
- Independent print/flood speed controls on each printhead simplify press setup
- Multi-print option with or without head lifting
- Squeegee print stroke can be 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
- 1-year limited warranty

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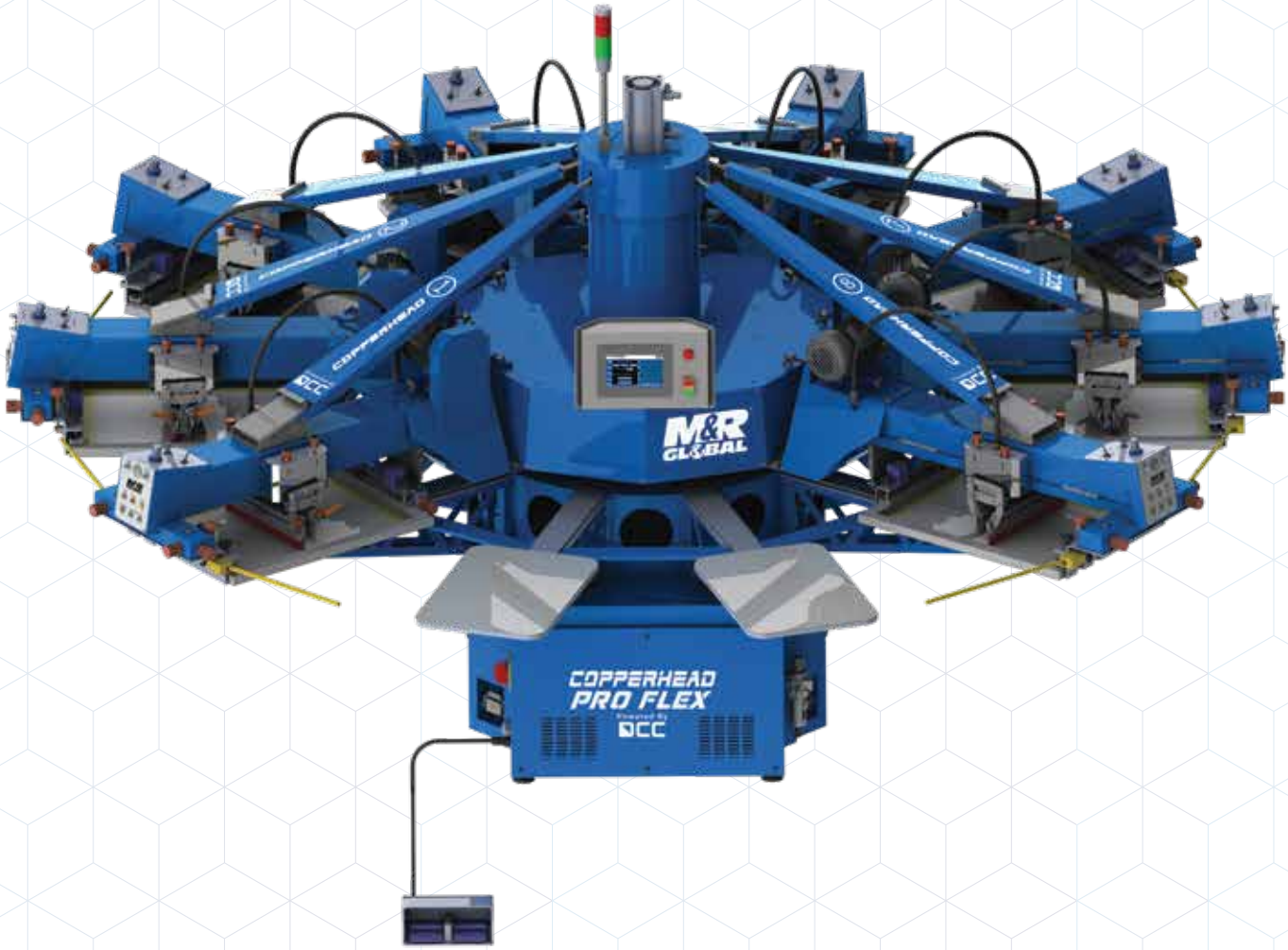

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