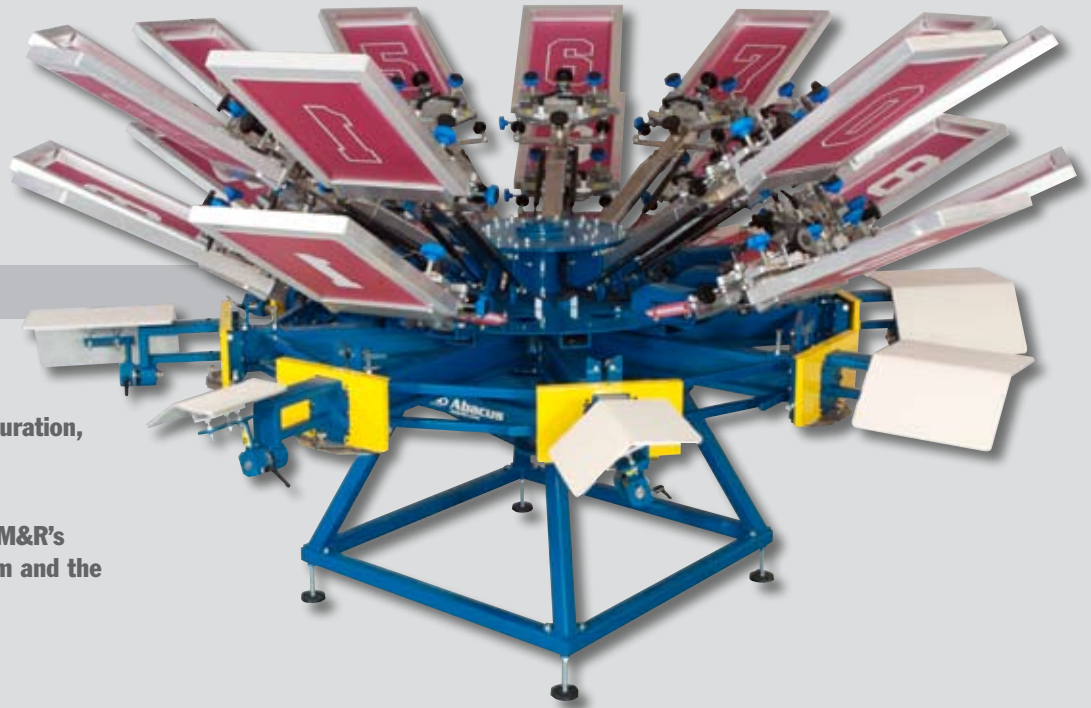


ABACUS



Manual Numbering Press



FEATURES

- The world's finest numbering and manual production press
- With 20-printhead Duo-Deck configuration, Abacus makes it a breeze to print two-color numbers
- Abacus integrates seamlessly with M&R's Abacus Tri-Loc® Registration System and the Serrano V Flash Cure System

Abacus combines M&R's versatile numbering system with Chameleon quality, performance, and durability. This unique 8-station manual numbering press features a 20-printhead Duo-Deck configuration, making it a breeze to print two-color numbers. Abacus accepts a wide variety of pallets, including flat pallets and five types of swivel-and-slide numbering pallets. M&R's numbering pallets enable users to print two digits on a single shirt without flashing. They also slide from side to side to adjust for kerning when printing the "1" digit. The standard frame size for M&R's numbering system is 38 x 58 cm (15" x 23").

Abacus also excels at standard multi-color printing. It can simultaneously accommodate screen frames up to 51 x 61 cm (20" x 24") in all 20 printheads, or screen frames up to 58 x 79 cm (23" x 31") in every other printhead. M&R offers a wide selection of pallet arms, including numbering pallets in 10, 15, 20, 25 & 30 cm

(4", 6", 8", 10" & 12") number sizes. (Contact the M&R Customer Service Department for detailed information on supported number fonts and sizes.) M&R's unique, ergonomically-designed indexer handles (optional) make it easy to rotate the lower carousel. Abacus features also include a machine-tooled and polished 7.62 cm (3") center shaft, heavy-duty tapered roller bearings, extra-large knobs, micro-registration with dual off-contact adjustment, and tool-free spring tension adjustment.

To complement Abacus, M&R developed specialized versions of the Tri-Loc Registration System and the Serrano Flash. The Abacus Tri-Loc System allows users to achieve precise registration on numbering screen frames. The Serrano V Flash System allows simultaneous flashing of both halves of inverted-V numbering pallets.

www.mrprint.com

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ABACUS

STANDARD FEATURES

Design & Construction

- Extra-large user-friendly knobs
- Heavy-duty tapered roller bearings
- Hinged arm assembly (U.S. Patent No. 5,881,641) expands color capacity without expanding press footprint
- Machine-tooled and polished 7.62 cm (3") center shaft

Duo-Deck™ Two-Tier System

- Allows setup for two-color numbers (0-9)
- Ten-color upper and 10-color lower carousel standard

Font Sizes and Styles

- Supports a wide range of number sizes and styles (contact the M&R Customer Service Department for details)

Pallet System

- Precise three-point pallet leveling system
- Solid-aluminum, low-profile, rubber-coated pallets
- Standard sizes are interchangeable with M&R automatic presses
- Tool-free quick release pallet locks
- Unique swivel-and-slide pallet system

Registration

- Compatible with M&R's Abacus Tri-Loc®
- Micro-registration with zero set point guides
- Multi-axis registration with dual off-contact adjustment
- V-Guide locator system

Screen Clamps & Holders

- Back clamps only (No option for side clamps)
- Screen frames must have a square profile for clamping

Spring Tension System

- Accommodates a wide variety of screen types, sizes, and weights
- Easy to adjust with M&R's exclusive tool-free design

Warranty, Service and Support

- 24-hour hotline is staffed 365 days a year
- Access to M&R's Training Center
- One-year limited warranty



Abacus Tri-Loc®

OPTIONS

Design & Construction

- Indexer handles make it easy to rotate the lower carousel

Jacket Hold-Down Pallet

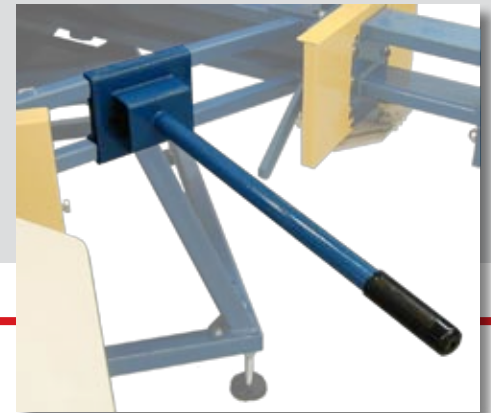
- Allows the printing of lined jackets, reversible/double layer mesh-type jerseys, and other multi-layer garments
- Press must be equipped with at least one standard pallet arm for jacket hold down

Numbering Pallet Arm System

- Enables press to print one and two-color numbers in 10, 15, 20, 25, & 30 cm (4", 6", 8", 10", & 12") sizes
- Significantly increases productivity when printing athletic jerseys
- Unique tilting pallet design allows a second number to be printed without flashing the first number

Pallets

- M&R offers a wide range of sizes and styles



Indexer Handle

SPECIFICATIONS

	Abacus 8/20
Diameter	315 cm (10' 3")
Maximum Frame Size	58 x 84 x 5 cm (23" x 33" x 2")
Maximum Image Area	51 x 76 cm (16" x 18")
Shipping Weight ¹	998 to 1179 kg (2200 to 2600 lb)
Standard Pallet Size	41 x 56 cm (16" x 22")
Stations/Colors	8/20

¹ Shipping weight varies according to pallet arms chosen



The M&R Companies
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