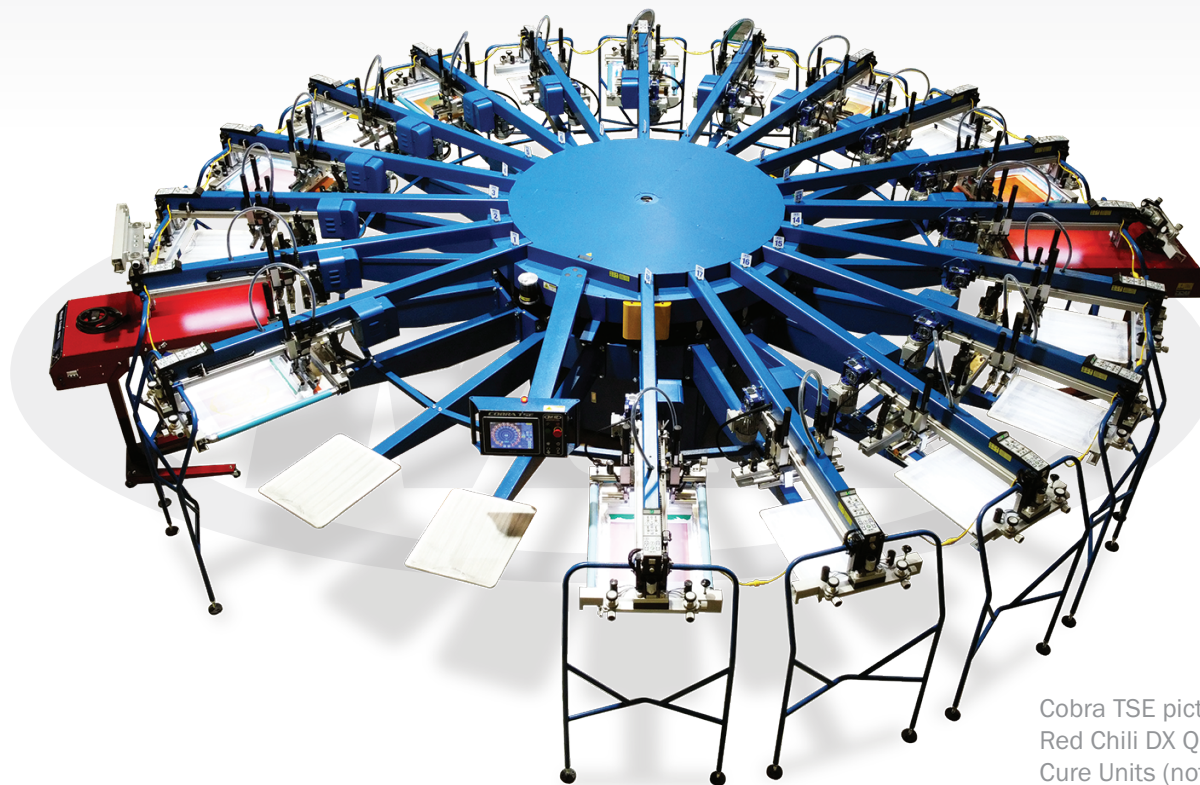# COBRA TSE ™

Automatic Screen Printing Press

Cobra TSE pictured with two Red Chili DX Quartz Flash Cure Units (not included)

The COBRA TSE™ series of presses provides operators with time-saving features needed for quick setups—electric printheads with electronic controls, tool-free squeegee/floodbar angle adjustment with pneumatic clamps, pneumatic screen frame locks, and independent squeegee/flood speeds with digital displays. Cobra TSE also features a revised, robust, smooth and quiet flat indexing system.

Cobra TSE is hybrid-printing ready, featuring M&R's Tri-Sync™ pallet arm and Tri-Sync™ pallet as standard equipment. These features further minimize setup times and maximize run times and productivity.

M&R's Cobra TSE™ automatic screen printing presses bring all of the features that the Cobra line offers in a larger format.
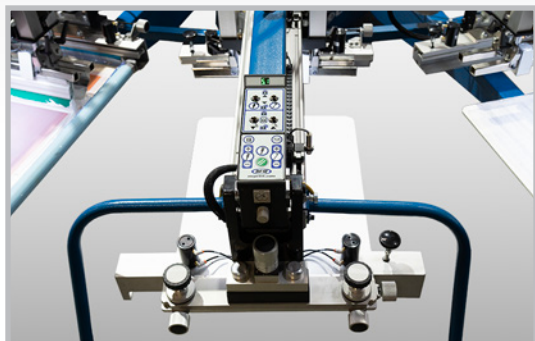
FEATURES

- **Newly-designed, robust, flat indexing system can easily accommodate digital products**

- **Smooth, quiet operation**

- **Pneumatic-locking, Quick-Flip™ Front Frame Holders**

- **New slimline pallet-leveling adjustment system**

- **Upgraded precision front and rear micro adjustments**

- **Simple front and rear on-head/off-contact controls**

- **New membrane switch-based printhead controls enable quicker setup and enhanced repeatability**

- **Maintenance Minder™ System alerts operators when scheduled maintenance is due**

- **HMI interface features new Heads Idle Mode and updated Revolver Print Program™**

Find more information and where to buy at: www.mrprint.com

Individual Membrane Switch Controls Enable Quicker Setups

User-friendly touchscreen interface provides ease of use

Additional COBRA TSE Product Features

Carousel/Indexer System
- Double-Index capability
- Additional flash cure communication ports (six on each machine) enhance hybrid printing capabilities
- Ball-screw indexing system with automatic lubrication provides high speeds and consistent, quiet operation

Control Center
- Icon-based, 10" high-resolution Human Machine Interface (HMI) with enhanced built-in operational tutorial screens
- Enhanced Maintenance Minder™ System alerts operators when scheduled maintenance is due, including photos and tutorials

Printheads
- New membrane-switch-based controls enable quicker setup and enhanced repeatability.
- Membrane-switch controls enable setting of squeegee/floodbar speed settings individually from the main HMI
- Membrane-switch controls enable setting of squeegee/floodbar speed settings for all printheads quickly and easily from the main HMI via copy/paste.

Registration
- Equipped with M&R's Tri-Sync™ Pallet Arm and Tri-Sync™ Pallet for easier integration into Hybrid printing scenarios

SPECIFICATIONS	Cobra TSE 16/14	Cobra TSE 18/16	Cobra TSE 20/18
Air @ 6,9 bar (100 PSI)	396 l/min (14 cfm)	453 l/min (16 cfm)	510 l/min (18 cfm)
Electrical Requirements[1]	208/230 V, 3 ph, 47 A, 50/60 Hz, 18.7 kW 380/415 V, 3 ph, 26 A, 50 Hz, 18.7 kW	208/230 V, 3 ph, 56 A, 50/60 Hz, 22.3 kW 380/415 V, 3 ph, 31 A, 50 Hz, 22.3 kW	208/230 V, 3 ph, 60 A, 50/60 Hz, 23.8 kW 380/415 V, 3 ph, 33 A, 50 Hz, 23.8 kW
Diameter	564 cm (18' 6")	610 cm (20' 0")	655 cm (21' 6")
Maximum Frame Size	66 x 91 x 5 cm (26" x 36" x 2")	66 x 91 x 5 cm (26" x 36" x 2")	66 x 91 x 5 cm (26" x 36" x 2")
Maximum Frame Size (Alternating Printheads)	132 x 91 cm (52" x 36")	132 x 91 cm (52" x 36")	132 x 91 cm (52" x 36")
Maximum Image Area	51 x 51 cm (20" x 20")	51 x 51 cm (20" x 20")	51 x 51 cm (20" x 20")
Maximum Image Area (Alternating Printheads)	94 x 51 cm (37" x 20")	94 x 51 cm (37" x 20")	94 x 51 cm (37" x 20")
Shipping Weight	3950 kg (8700 lb)	4360 kg (9600 lb)	4810 kg (10600 lb)
Standard Pallet Size	41 x 56 cm (16" x 22")	41 x 56 cm (16" x 22")	41 x 56 cm (16" x 22")
Stations/Colors	16/14	18/16	20/18

[1] If incoming voltage differs from the voltage(s) listed in the brochure, calculate amperage accordingly.