

Automatic Oval Screen Printing Press



FEATURES

- Available in six-station modules from 22 stations/6 colors to 64 stations/30 colors
- Maximum image areas range from 55 x 70 cm (21.7" x 27.6") to 70 x 100 cm (27.6" x 39.4")
- Servo-driven indexer and electric printheads provide exceptional smoothness, consistency, and longevity
- Optional DS-2000 & DS-4000 Digital Squeegee digital print stations allow screen/digital hybrid printing

M&R's aggressively-priced VictoryOne is the industry's most affordable oval screen printing press—and it can be paired with two different M&R Digital Squeegees for fast hybrid printing. VictoryOne's 22-station base module can be expanded in 6-station increments to create 28, 34, 40, 46, 52, 58, and 64-station configurations. All but the four stations at each end of the press can support printheads, which must be configured in opposing pairs. Otherwise, there are no restrictions on printhead placement, and any station can be left open. VictoryOne's flexibility allows it to be tailored to almost any production requirement. It also allows VictoryOne to fit into spots no carousel press could.

VictoryOne's maximum screen frame sizes range from 66 cm x 97 cm (26" x 38") to 86 x 136 cm (33.9" x 53.5"). Maximum image area on 5570 models is 42 x 70 cm (16.5" x 27.6") on the small pallet and 55 x 70 cm (21.7" x 27.6") on the large pallet. Small pallets are 45 x 85 cm (17.7" x 33.5") and large pallets are 58 x 85 cm (22.8" x 33.5"). Maximum image area on 70100 models is 70 x 100 cm (27.6" x 39.4").

Each press comes with 500 frame-adaptor pins for static aluminum frames, a jig for drilling frames, and a screen frame registration system. VictoryOne can also be built with pin bars that match some aftermarket pin frames. Other features include servo-driven indexer and printheads, reversible rotation, front and rear off-contact adjustments, front and rear micro-registration, calibrated tool-free front and rear stroke-length adjustments, quick-lock squeegee and floodbar mounting with tool-free

angle adjustments, and a touchscreen main control panel. Printheads are made of sturdy 11 x 12.5 cm (4.3" x 4.9") extruded aluminum with a servo belt-driven print carriage riding on enclosed linear bearings.

A soft-touch membrane control panel on each printhead provides access to print and index functions. A pneumatic squeegee pressure regulator delivers consistent print pressure. VictoryOne's quick-lock head-latch mechanism activates a spring-assisted high lift, allowing operators to quickly raise the screen for cleaning or removal. An air-assisted rear frame support facilitates quick screen loading and unloading. A pin-type frame holder interface allows for true on-contact printing when needed, while individual front/rear off-contact and smooth micro-registration tools give operators full control of screen alignment and off-contact settings. VictoryOne also has standard flash-cure power distribution with on-press plugs. Also available are standalone Sechuan® quartz flash-cure units, which are designed specifically for the VictoryOne oval press.

VictoryOne is backed by a limited one-year warranty from the date of installation.

DS-2000 Digital Squeegee® Digital Printhead

FEATURES

- Allows printers to use conventional inks for white underbase and special effects in combination with high-speed custom digital printing
- Fully integrated with M&R's VictoryOne® Automatic Oval Screen Printing Press
- Maximum image area of 55 x 70 cm (21.7" x 27.6")
- Up to 400 prints per hour at A4 size



M&R's new VictoryOne & DS-2000 Digital Squeegee digital hybrid screen printing system brings the worlds of conventional screen printing and direct-to-garment digital printing together in a way that is efficient, flexible, and profitable. It allows screen printers to use the custom, on-demand printing available through digital direct-to-garment technology in combination with screen-printed effects like puff and glitter inks. The hybrid system also allows operators to use far less expensive screen-printed white ink as the underbase.

The VictoryOne digital hybrid system will bring a new level of versatility and profitability to conventional screen printing operations by allowing those operations to take on work that can't be done by screen printing alone—and to do it at speeds unheard of on standalone DTG printers.

The system is compatible with RIP software from Ergosoft, Wasatch®, Neostampa and Caldera, and is capable of printing on natural and synthetic fibers, including polyester, nylon and blends. With an automatic cleaning system and integrated humidifier, operation and maintenance are greatly simplified.

| DS-2000 Digital Squeegee | |
|--------------------------------------|---------------------------------------|
| Electrical Requirements ¹ | 220 V, 1 ph, 18 A, 50/60 Hz, 4 kW |
| Maximum Image Area | 55 x 70 cm (21.7" x 27.6") |
| Maximum Print Resolution | 900 x 1200 DPI |
| Overall Size (L x W x H) | 294 x 180 x 190 cm (116" x 71" x 75") |
| Shipping Weight | 1500 kg (3307 lb) |

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

Sechuan® Quartz Flash Cure Unit



M&R's freestanding Sechuan quartz flash cure system is designed and sized for M&R's VictoryOne automatic oval press. Sechuan offers instant-on flash cure technology that conserves energy by reverting to standby status when the screen printing press is idle. Power levels and flash cure time are controlled by a simple digital touchpad. An adjustable sensor switch can be

positioned on either side of the flash cure unit, activating the flash when the printing pallet approaches. Curing lamps are operated independently or in any combination, giving complete control over the flash curing area. Dual position toggle switches allow users to select which bulbs are to be

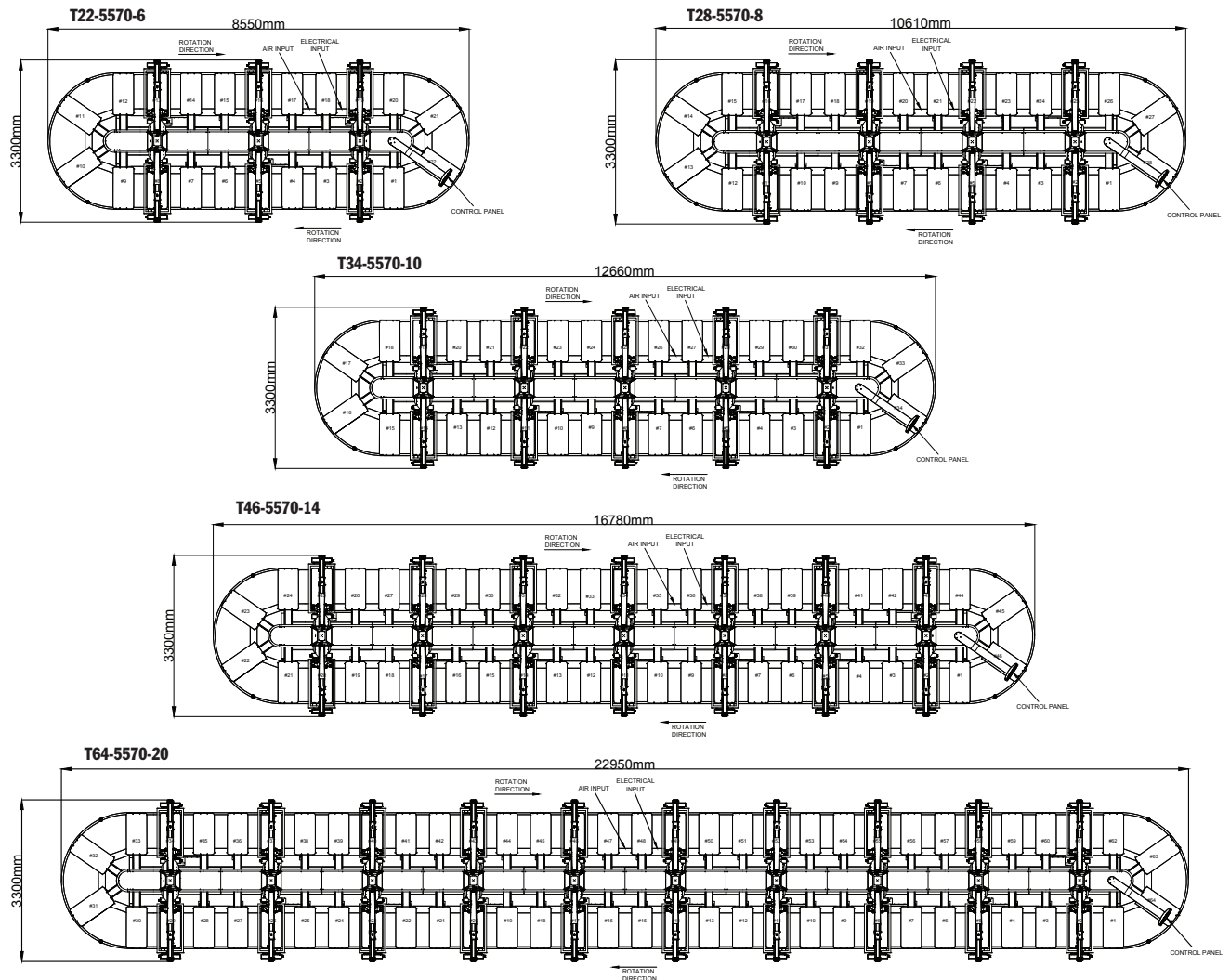
used. Using only the bulbs that are needed reduces ambient heat, lowers energy costs, and leads to faster substrate cooling. The Sechuan 5070 incorporates two different length bulbs in an alternating pattern to allow zoned-curing by length as well as width. The curing module is mounted on a sturdy floor stand that allows users to adjust bulb height settings from 83 cm (32.5") to 110 cm (39.5"). Smooth rolling, locking casters makes moving the flash fast and easy.

| | Sechuan 5570 | Sechuan 6886 | Sechuan 70100 |
|--------------------------------------|--|--|--|
| Curing Area (Long Bulb) | 55 x 70 cm (21.7" x 27.6") | 68 x 86 cm (26.8" x 33.9") | 70 x 100 cm (27.6" x 39.4") |
| Curing Area (Short Bulb) | 32 x 65 cm (12.6" x 25.6") | N/A | N/A |
| Electrical Requirements ¹ | 208/230 V, 3 ph, 40 A, 60 Hz, 16 kW 380/415 V, 3 ph, 24 A, 60 Hz, 16 kW | 208/230 V, 3 ph, 47 A, 60 Hz, 17 kW 380/415 V, 3 ph, 26 A, 60 Hz, 17 kW | 208/230 V, 3 ph, 52/58 A, 60 Hz, 21 kW 380/415 V, 3 ph, 29/32 A, 60 Hz, 21 kW |
| Overall Size (H x W x L) | 90 x 64 x 118 cm (35" x 25" x 46") | 90 x 75 x 124 cm (35" x 30" x 49") | 100 x 75 x 127 cm (39" x 30" x 50") |
| Shipping Weight | 60 kg (132 lb) | 80 kg (177 lb) | 70 kg (154 lb) |

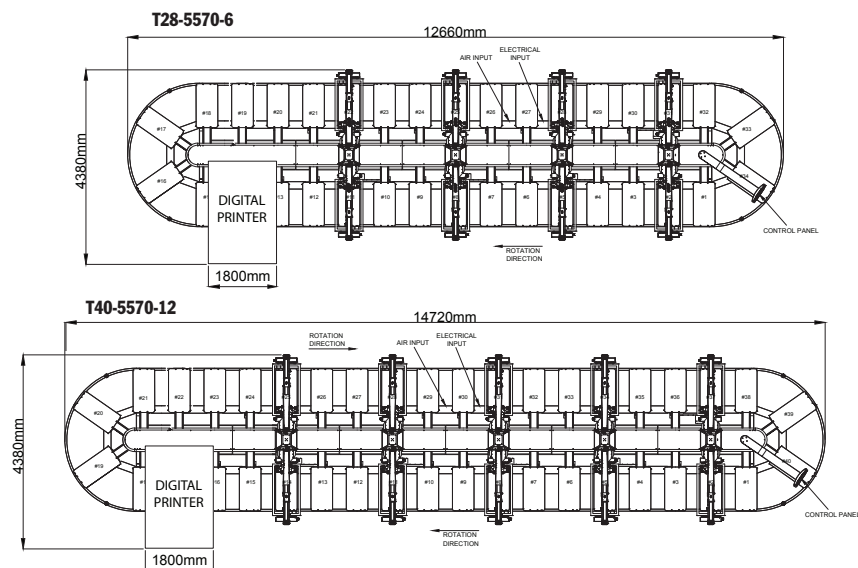
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MODEL DIAGRAMS

VictoryOne®



VictoryOne® Digital Hybrid System



STANDARD FEATURES

CERTIFICATION

- CE Certified: Built to specifications established by the European Committee for Standardization® (CE)

CONTROL CENTER

- Digital microprocessor with self-diagnostics
- Digital touchscreen control panel can display information and commands in multiple languages
- Independent print-start/print-finish setting automatically activates and stops printheads at the beginning and end of screen printing runs
- Jog-left/jog-right controls
- Multiple (1-9) print stroke capability
- Provides control of multi-print functionality
- Touchscreen control panel is boom-mounted on a swivel and allows easy access from the load/unload end of the press

DESIGN & CONSTRUCTION

- Built of heavy-duty steel and premium components
- Designed in 6-station modules with a print/flash/cool configuration
- Flash-cure power distribution with on-press plugs
- Modular and expandable in 6-station increments
- Oval shape takes up less floor space than comparable carousel automatic screen printing presses
- Printheads and pallet arms provide the stability necessary for exceptional screen print quality

- Printheads are made of sturdy 11 x 12.5 cm (4.3" x 4.9") extruded aluminum with a servo belt-driven print carriage riding on enclosed linear bearings

INDEX SYSTEM

- Servo drives combine higher screen printing press speeds with exceptional smoothness, consistency, and longevity

OFF-CONTACT

- Calibrated and tool-free front and rear off-contact settings allow fast and accurate screen leveling
- Pin-type frame holder interface allows for true on-contact printing

PRINTHEADS

- Brushless and maintenance-free electric-drive motors deliver smooth screen print strokes and exceptional control
- Independent print/flood speed controls on each printhead simplify screen printing press setup
- Multi-print without raising the screen
- Printhead high-lift mode simplifies screen loading, unloading, inspection and cleaning
- Soft-touch membrane control panel on each printhead provides access to print and index functions

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
- Air-assisted rear frame support facilitates quick screen loading and unloading

SQUEEGEE/FLOODBAR

- Front or rear print carriage stop position allows operator to leave screens clear or flooded (great for water-based inks)
- Park feature facilitates setup and tear-down by simultaneously retracting the squeegee and floodbar and then moving them to the outside edge of the press for easy access

- Quick-lock squeegee and floodbar mounting with tool-free angle adjustments

- Squeegee air regulator with a pressure gauge on each printhead

STROKE LENGTH ADJUSTMENT

- Calibrated front & rear stroke length with tool-free 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
- One-year limited warranty
- Parts & supplies are available online at store.mrprint.com

OPTIONS & ACCESSORIES

DS-2000 & DS-4000 DIGITAL SQUEEGEES®

- Adds screen/digital hybrid printing
- Available on all models except VictoryOne T22-5570-6 and T22-70100-6

FOOT PEDAL CONTROL

- Allows indexing of the press using a foot pedal

FRAME PINS

- Additional pins sold in packs of 1000 (include screws)
- VictoryOne can be built with pin bars that match some aftermarket pin frames

LASER LOCATOR SYSTEM

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

PALLETS

- 5570 Model Large: 58 x 85 cm (22.8" x 33.5")
- 5570 Model Small: 45 x 85 cm (17.7" x 33.5")
- 70100 Models Only: 120 cm x 74 cm (47.4" x 29.1")

PRINTHEAD ROLLER FRAME ADAPTOR BARS

- Available for frames 58/64 cm (23"/25") or 66 cm (26") wide

SECHUAN® FLASH CURE UNIT

- Designed specifically for the VictoryOne oval press
- Standalone design

SQUEEGEE/FLOODBAR

- Available in the following sizes: 30 cm (11.8"), 40 cm (15.7"), 50 cm (19.6"), 53 cm (20.9"), 55 cm (21.6"), and 66 cm (26")

SPECIFICATIONS

| | VictoryOne T22-5570-6 | VictoryOne T28-5570-8 | VictoryOne T34-5570-10 | VictoryOne T40-5570-12 | VictoryOne T46-5570-14 | VictoryOne T52-5570-16 | VictoryOne T58-5570-18 | VictoryOne T64-5570-20 |
|--|---------------------------------|---------------------------------|---------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------------|
| Air @ 6,2 bar (90 psi) ⁴ | 163 l/min (5.76 cfm) | 217 l/min (7.68 cfm) | 271 l/min (9.60 cfm) | 362 l/min (11.52 cfm) | 381 l/min (13.44 cfm) | 435 l/min (15.36 cfm) | 489 l/min (17.27 cfm) | 544 l/min (19.20 cfm) |
| Electrical Specifications ^{1,2} | 380 V, 3 ph, 4 A, 50 Hz, 4.4 kW | 380 V, 3 ph, 8 A, 50 Hz, 5.2 kW | 380 V, 3 ph, 9 A, 50 Hz, 6.0 kW | 380 V, 3 ph, 11 A, 50 Hz, 6.8 kW | 380 V, 3 ph, 12 A, 50 Hz, 7.6 kW | 380 V, 3 ph, 13 A, 50 Hz, 8.4 kW | 380 V, 3 ph, 15 A, 50 Hz, 9.2 kW | 380 V, 3 ph, 16 A, 50 Hz, 10.0 kW |
| Maximum Frame Size | 66 x 99 cm (26" x 39") | 66 x 99 cm (26" x 39") | 66 x 99 cm (26" x 39") | 66 x 99 cm (26" x 39") | 66 x 99 cm (26" x 39") | 66 x 99 cm (26" x 39") | 66 x 99 cm (26" x 39") | 66 x 99 cm (26" x 39") |
| Maximum Image Area: Large Pallet | 55 x 70 cm (21.7" x 27.6") | 55 x 70 cm (21.7" x 27.6") | 55 x 70 cm (21.7" x 27.6") | 55 x 70 cm (21.7" x 27.6") | 55 x 70 cm (21.7" x 27.6") | 55 x 70 cm (21.7" x 27.6") | 55 x 70 cm (21.7" x 27.6") | 55 x 70 cm (21.7" x 27.6") |
| Maximum Image Area: Small Pallet | 42 x 70 cm (16.5" x 27.6") | 42 x 70 cm (16.5" x 27.6") | 42 x 70 cm (16.5" x 27.6") | 42 x 70 cm (16.5" x 27.6") | 42 x 70 cm (16.5" x 27.6") | 42 x 70 cm (16.5" x 27.6") | 42 x 70 cm (16.5" x 27.6") | 42 x 70 cm (16.5" x 27.6") |
| Overall Size (L x W) | 855 x 330 cm (337" x 130") | 1061 x 330 cm (418" x 130") | 1266 x 330 cm (498" x 130") | 1472 x 330 cm (580" x 130") | 1678 x 330 cm (661" x 130") | 1884 x 330 cm (742" x 130") | 2090 x 330 cm (823" x 130") | 2295 x 330 cm (904" x 130") |
| Pallet Size: Large | 58 x 85 cm (22.8" x 33.5") | 58 x 85 cm (22.8" x 33.5") | 58 x 85 cm (22.8" x 33.5") | 58 x 85 cm (22.8" x 33.5") | 58 x 85 cm (22.8" x 33.5") | 58 x 85 cm (22.8" x 33.5") | 58 x 85 cm (22.8" x 33.5") | 58 x 85 cm (22.8" x 33.5") |
| Pallet Size: Small | 45 x 85 cm (17.7" x 33.5") | 45 x 85 cm (17.7" x 33.5") | 45 x 85 cm (17.7" x 33.5") | 45 x 85 cm (17.7" x 33.5") | 45 x 85 cm (17.7" x 33.5") | 45 x 85 cm (17.7" x 33.5") | 45 x 85 cm (17.7" x 33.5") | 45 x 85 cm (17.7" x 33.5") |
| Stations/Colors (Range) ³ | 22/6-14 | 28/8-20 | 34/10-24 | 40/12-24 | 46/14-42 | 52/16-48 | 58/18-54 | 64/20-60 |

| | VictoryOne T22-70100-6 | VictoryOne T28-70100-8 | VictoryOne T34-70100-10 | VictoryOne T40-70100-12 | VictoryOne T46-70100-14 | VictoryOne T52-70100-16 |
|--|---------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Air @ 6,2 bar (90 psi) ⁴ | 163 l/min (5.76 cfm) | 217 l/min (7.68 cfm) | 271 l/min (9.60 cfm) | 362 l/min (11.52 cfm) | 381 l/min (13.44 cfm) | 435 l/min (15.36 cfm) |
| Electrical Specifications ^{1,2} | 380 V, 3 ph, 9 A, 50 Hz, 5.4 kW | 380 V, 3 ph, 10 A, 50 Hz, 6.2 kW | 380 V, 3 ph, 11 A, 50 Hz, 7.0 kW | 380 V, 3 ph, 12 A, 50 Hz, 7.8 kW | 380 V, 3 ph, 13 A, 50 Hz, 8.6 kW | 380 V, 3 ph, 15 A, 50 Hz, 9.4 kW |
| Maximum Frame Size | 86 x 136 cm (33.9" x 53.5") | 86 x 136 cm (33.9" x 53.5") | 86 x 136 cm (33.9" x 53.5") | 86 x 136 cm (33.9" x 53.5") | 86 x 136 cm (33.9" x 53.5") | 86 x 136 cm (33.9" x 53.5") |
| Maximum Image Area | 70 x 100 cm (27.6" x 39.4") | 70 x 100 cm (27.6" x 39.4") | 70 x 100 cm (27.6" x 39.4") | 70 x 100 cm (27.6" x 39.4") | 70 x 100 cm (27.6" x 39.4") | 70 x 100 cm (27.6" x 39.4") |
| Overall Size (L x W) | 1240 x 420 cm (488" x 165") | 1540 x 420 cm (606" x 165") | 1830 x 420 cm (720" x 165") | 2130 x 420 cm (839" x 165") | 2430 x 420 cm (957" x 165") | 2730 x 420 cm (1075" x 165") |
| Pallet Size | 74 x 120 cm (29.1" x 47.4") | 74 x 120 cm (29.1" x 47.4") | 74 x 120 cm (29.1" x 47.4") | 74 x 120 cm (29.1" x 47.4") | 74 x 120 cm (29.1" x 47.4") | 74 x 120 cm (29.1" x 47.4") |
| Stations/Colors (Range) ³ | 22/6-14 | 28/8-20 | 34/10-26 | 40/12-30 | 46/14-30 | 52/16-30 |

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

² Electrical specifications are for the base model. Contact the M&R Companies for electrical specifications on models with additional printheads.

³ Colors can be added in opposing pairs up to the maximum number shown in "Stations/Colors Range"

⁴ Air specifications are based on the standard conditions for temperature and pressure: 1.0 bar (14.696 psi) at 20° C (68° F)



The M&R Companies

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