# QUARTZ Flash Cure Units



## RED CHILI™

The freestanding Red Chili quartz flash cure system uses medium-wave sealed tungsten filament quartz lamps, and it works with both automatic and manual screen printing presses. Instant-on flash cure technology conserves energy by reverting to standby status when the screen printing press is idle, and the curing lamps are divided into three flashing zones, which can be operated independently or in any combination. Using fewer flash cure zones on small screen print areas reduces ambient heat, lowers energy costs, and leads to faster substrate cooling. Red Chili's unique internal design provides optimal airflow for quickly curing water-based inks. An adjustable sensor switch can be positioned on either side of the flash cure unit, activating the flash when the printing pallet approaches. Red Chili also features a communication socket that gives operators two additional methods of controlling the flash: an optional communication cable can be used to control the flash directly from the press and an optional foot pedal control can be connected to the flash. The curing module is mounted on a height-adjustable floor stand which makes moving the flash fast and easy.



## RED CHILI™ D

The freestanding Red Chili quartz flash cure system uses medium-wave sealed tungsten filament quartz lamps with adjustable intensity. Instant-on flash cure technology conserves energy by reverting to standby status when the screen printing press is idle, and the curing lamps are divided into three flashing zones, which can be operated independently or in any combination. Using fewer flash cure zones on small screen print areas reduces ambient heat, lowers energy costs, and leads to faster substrate cooling. Flash cure duration can be controlled by a digital timer or by M&R's exclusive InkSense™ substrate temperature sensor. Co-developed with a major sensor manufacturer, InkSense™ automatically shuts off the flash cure unit when the substrate reaches operator-set temperature. That helps prevent over-flashing, a major cause of dye migration and synthetic garment shrinkage. An adjustable sensor switch can be positioned on either side of the flash cure unit, activating the flash when the printing pallet approaches.



## RED CHILI™ DX

The freestanding Red Chili DX quartz flash cure system offers all the benefits of the Red Chili D, but has numerous sophisticated features that can be operated directly from newer compatible M&R presses (Challenger III, Gauntlet III & Stryker). Those features include flash duration, power level, temperature sensor, and programmed individual multi-function settings (recipes). Red Chili DX uses medium-wave sealed tungsten filament quartz lamps with adjustable intensity. Instant-on flash cure technology conserves energy by reverting to standby status when the screen printing press is idle. The curing lamps are divided into three flashing zones, which can be operated independently or in any combination. Using fewer flash cure zones on small screen print areas reduces ambient heat, lowers energy costs, and leads to faster substrate cooling.

# SPECIFICATIONS

| | Red Chili & Red Chili D 1418 | Red Chili & Red Chili D 1618 | Red Chili 2024 | Red Chili D 2024 | Red Chili 2028 | Red Chili D 2028 | Red Chili D 3137 | Red Chili & Red Chili D 3244 | Red Chili & Red Chili D 6038 |
|---|---|---|---|---|---|---|---|---|---|
| Curing Area | 36 x 46 cm (14" x 18") | 41 x 46 cm (16" x 18") | 51 x 61 cm (20" x 24") | 51 x 61 cm (20" x 24") | 51 x 71 cm (20" x 28") | 51 x 71 cm (20" x 28") | 79 x 94 cm (31" x 37") | 81 x 112 cm (32" x 44") | 152 x 97 cm (60" x 38") |
| Electrical Requirements [1] | 208/230 V, 1 ph, 43/48 A, 50/60 Hz, 11 kW  208/230 V, 3 ph, 25/28 A, 50/60 Hz, 11 kW  380/415 V, 3 ph, 14/15 A, 50 Hz, 10.7 kW | 208/230 V, 1 ph, 43/48 A, 50/60 Hz, 11 kW  208/230 V, 3 ph, 25/28 A, 50/60 Hz, 11 kW  380/415 V, 3 ph, 14/15 A, 50 Hz, 10.7 kW | 208/230 V, 1 ph, 65/72 A, 60 Hz, 16.5 kW  208/230 V, 3 ph, 39/43 A, 50/60 Hz, 16.5 kW  380/415 V, 3 ph, 21/22 A, 50/60 Hz, 16.1 kW  440/480 V, 3 ph, 18/19 A, 50/60 Hz, 16 kW | 208/230 V, 1 ph, 65/72 A, 60 Hz, 16.5 kW  208/230 V, 3 ph, 39/43 A, 50/60 Hz, 16.5 kW  380/415 V, 3 ph, 21/22 A, 50/60 Hz, 16.1 kW  440/480 V, 3 ph, 18/19 A, 50/60 Hz, 16 kW | —  208/230 V, 3 ph, 50/55 A, 50/60 Hz, 22 kW  380/415 V, 3 ph, 27/30 A, 50/60 Hz, 21.5 kW  440/480 V, 3 ph, 24/26 A, 50/60 Hz, 21.4 kW | —  208/230 V, 3 ph, 50/55 A, 50/60 Hz, 22 kW  380/415 V, 3 ph, 27/30 A, 50/60 Hz, 21.5 kW  440/480 V, 3 ph, 24/26 A, 50/60 Hz, 21.4 kW | —  —  380/415 V, 3 ph, 40/44 A, 50/60 Hz, 30 kW | —  —  380/415 V, 3 ph, 60/66 A, 50/60 Hz, 47.5 kW | —  —  440/480 V, 3ph, 54/59 A, 60 Hz, 48 kW |
| Overall Size (H x W x L) | 114 x 58 x 107 cm (45" x 23" x 42") | 114 x 58 x 107 cm (45" x 23" x 42") | 109 x 60 x 110 cm (43" x 24" x 44") | 109 x 60 x 127 cm (43" x 24" x 50") | 109 x 60 x 123 cm (43" x 24" x 48") | 109 x 60 x 140 cm (43" x 24" x 55") | 117 x 97 x 170 cm (46" x 38" x 67") | 109 x 102 x 165 cm (43" x 40" x 65") | 109 x 163 x 166 cm (43" x 64" x 66") |

| | Red Chili DX 2024 | Red Chili DX 2028 | Red Chili DX 2432 | Red Chili DX 3244 |
|---|---|---|---|---|
| Curing Area | 51 x 61 cm (20" x 24") | 51 x 71 cm (20" x 28") | 61 x 81 cm (24" x 32") | 81 x 112 cm (32" x 44") |
| Electrical Requirements [1] | 208/230 V, 1 ph, 65/72 A, 60 Hz, 16.5 kW  208/230 V, 3 ph, 39/43 A, 50/60 Hz, 16.5 kW  380/415 V, 3 ph, 21/22 A, 50/60 Hz, 16.1 kW  440/480 V, 3 ph, 18/19 A, 50/60 Hz, 16 kW | —  208/230 V, 3 ph, 50/55 A, 50/60 Hz, 22 kW  380/415 V, 3 ph, 27/30 A, 50/60 Hz, 21.5 kW  440/480 V, 3 ph, 24/26 A, 50/60 Hz, 21.4 kW | —  —  380/415 V, 3 ph, 44/48 A, 50/60 Hz, 28/33.4 kW | —  —  380/415 V, 3 ph, 60/66 A, 50/60 Hz, 47.5 kW |
| Overall Size (H x W x L) | 109 x 60 x 127 cm (43" x 24" x 50") | 109 x 60 x 140 cm (43" x 24" x 55") | 103 x 78 x 155 cm (40.5" x 30.5" x 61") | 109 x 102 x 165 cm (43" x 40" x 65") |

[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.

All M&R screen printing flash cure units are UL Listed (built to specifications established by Underwriters Laboratories®—UL), CE Certified (built to specifications established by the European Committee for tandardization®—CE), and backed by a limited two-year warranty.



**The M&R Companies**