QUARTZ Flash Cure Units

CAYENNE™ D

Cayenne D is M&R's most sophisticated and versatile freestanding quartz flash cure system. Its medium-wave sealed tungsten filament quartz lamps feature adjustable intensity, and its instant-on flash cure technology conserves energy by reverting to standby when the screen printing press is idle. The digitally-controlled curing lamps are divided into three flashing zones that 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. The flash cure unit ensures consistent curing with a reflector array, forced-air heat exchange, and digital temperature controller. Flash cure duration can be controlled by a digital timer or by a substrate temperature sensor that automatically shuts off the flash cure unit when the substrate reaches operator-set temperature 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. Cayenne D flash cures can be electronically linked together on the same screen printing press for multiple-flash curing. Lamp height can be adjusted up to 102 cm (40"). The sturdy stand makes Cayenne D easy for a single person to move the unit around the shop. Cayenne is simply the best quartz flash cure unit available.

TACANA™ D

M&R's Tacana D is the ultimate integrated quartz flash cure system. Its sealed tungsten filament quartz lamps feature adjustable intensity, and its instant-on flash cure technology conserves energy by reverting to standby when the screen printing press is idle. The digitally-controlled curing lamps are divided into three flashing zones that 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. The flash cure unit ensures consistent curing with a reflector array, forced-air heat exchange, and digital temperature controller. Digitally-managed power levels enable precise control of the flash curing process. Tacana D takes up less space than standard flash cure units because it mounts in the screen holders and doesn't protrude beyond the normal diameter of the screen printing press. An optional floor stand turns Tacana into a versatile, multi-use quartz flash cure system.

SPECIFICATIONS

	Cayenne D 1818	Cayenne D 1822	Cayenne D 2224	Cayenne D 2230	Cayenne D 2236	Cayenne D 2430	Cayenne D 2436
Curing Area [2]	46 x 46 cm (18" x 18")	46 x 56 cm (18" x 22")	56 x 61 cm (22" x 24")	56 x 76 cm (22" x 30")	56 x 91 cm (22" x 36")	61 x 76 cm (24" x 30")	61 x 91 cm (24" x 36")
Electrical Requirements [1]	208/230 V, 3 ph, 36/39 A, 50/60 Hz, 12 kW 380/415 V, 3 ph, 17/19 A, 50/60 Hz, 12.2 kW	208/230 V, 3 ph, 39/43 A, 50/60 Hz, 14/17 kW 380/415 V, 3 ph, 18/20 A, 50/60 Hz, 13.5 kW	208/230 V, 3 ph, 44/48 A, 50/60 Hz, 15 kW 380/415 V, 3 ph, 21/23 A, 50/60 Hz, 15 kW 460/480 V, 3 ph, 17/18 A, 60 Hz, 15 kW	208/230 V, 3 ph, 52/57 A, 50/60 Hz, 18 kW 380/415 V, 3 ph, 24/26 A, 50/60 Hz, 18 kW 460/480 V, 3 ph, 22/24 A, 60 Hz, 18 kW	208/230 V, 3 ph, 49/54 A, 50/60 Hz, 17/21 kW 440/480 V, 3 ph, 27/29 A, 60 Hz, 19/22.5 kW	208/230 V, 3 ph, 40/44 A, 50/60 Hz, 14/17 kW 380/415 V, 3 ph, 25/27 A, 50 Hz, 15/18 kW	208/230 V, 3 ph, 46/51 A, 50/60 Hz, 16/20 kW 380/415 V, 3 ph, 29/32 A, 50 Hz, 18/21 kW 440/480 V, 3 ph, 28/30 A, 60 Hz, 18/21 kW
Overall Size (H x W x L)	137 x 61 x 124 cm (54" x 24" x 49")	137 x 61 x 140 cm (54" x 24" x 55")	137 x 71 x 145 cm (54" x 28" x 57")	137 x 71 x 160 cm (54" x 28" x 63")	137 x 71 x 175 cm (54" x 28" x 69")	137 x 79 x 160 cm (54" x 31" x 63")	137 x 79 x 175 cm (54" x 31" x 69")

	Cayenne D 3042	Cayenne D 3244	Cayenne D 4032	Cayenne D 4036	Cayenne D 4036T	Cayenne D 4838T
Curing Area [2]	76 x 107 cm (30" x 42")	81 x 112 cm (32" x 44")	102 x 81 cm (40" x 32")	102 x 91 cm (40" x 36")	102 x 91 cm (40" x 36")	122 X 96 cm (48" x 38")
Electrical Requirements [1]	208/230 V, 3 ph, 77/94 A, 50/60 Hz, 27/33 kW 380/415 V, 3 ph, 48/52 A, 50/60 Hz, 36 kW	208/230 V, 3 ph, 85/93 A, 50/60 Hz, 30/37 kW 380/415 V, 3 ph, 53/57 A, 50 Hz, 39.6 kW	208/230 V, 3 ph, 46/51 A, 50/60 Hz, 16/20 kW 380/415 V, 3 ph, 53/57 A, 50 Hz, 18/21 kW 440/480 V, 3 ph, 28/30 A, 60 Hz, 18/21 kW	208/230 V, 3 ph, 78/86 A, 50/60 Hz, 27/33 kW 440/480 V, 3 ph, 44/49 A, 60 Hz, 41 kW	208/230 V, 3 ph, 60 A, 50/60 Hz, 14/17 kW 380/415 V, 3 ph, 25/27 A, 50 Hz, 15/18 kW	208/230 V, 3 ph, 64/74 A, 50/60 Hz, 26/30 kW 380/415 V, 3 ph, 29/32 A, 50 Hz, 18/21 kW 440/480 V, 3 ph, 28/30 A, 60 Hz, 18/21 kW
Overall Size (H x W x L)	137 x 94 x 191 cm (54" x 37" x 75")	137 x 99 x 198 cm (54" x 39" x 78")	137 x 122 x 173 cm (54" x 48" x 68")	137 x 114 x 183 cm (54" x 45" x 72")	137 x 114 x 183 cm (54" x 45" x 72")	137 x 127 x 185 cm (54" x 50" x 73")

	Tacana D 1820	Tacana D 2028
Curing Area	46 x 51 cm (18" x 20")	51 x 71 cm (20" x 28")
Electrical Requirements [1]	208/230 V, 3 ph, 30/33 A, 50/60 Hz, 13.7 kW 380/415 V, 3 ph, 19 A, 50/60 Hz, 13.7 kW	208/230 V, 3 ph, 38/43 A, 50/60 Hz, 18.2 kW 380/415 V, 3 ph, 27 A, 50/60 Hz, 18.2 kW
Overall Size (H x W x L)	18 x 58 x 84 cm (7" x 23" x 33")	18 x 64 x 104 cm (7" x 25" x 41")

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

[2] Two Cayenne models are available with quartz lamps arrayed in a T-shape (contact M&R 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.

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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 M&R Printing Equipment, Inc. 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.

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