

Electric Textile Dryer



FEATURES

- Belt widths 91 cm (36"), 122 cm (48"), and 152 cm (60")
- Heat chamber lengths 183 cm and 305 cm (6' and 10')
- M&R's most affordable textile dryer

Easy to own and economical to operate, Fusions are M&R's most affordable 91 cm (36"), 122 cm (48"), and 152 cm (60") textile dryers, and they're available in 183 cm (6') and 305 cm (10') heat chamber lengths. Fusion's thermal insulation helps prevent heat from migrating into the workplace. That means more heat stays in the dryer chamber, reducing energy costs. Fast cure rates and high product throughput maximize dryer capacity and minimize per-unit cost. Aggressively priced and impressively designed, Fusion is a perfect choice for operations ranging from small manual shops to mid-size automated shops.

Fusion cures with height-adjustable energy-efficient infrared panels. A reliable, heavy-duty DC motor powers a heat-resistant, Teflon®-coated fiberglass conveyor belt. Process temperatures and set temperatures are controlled digitally. Temperature consistency is ensured by a fuzzy-logic controller, which responds to ambient temperature changes

and dryer load conditions while keeping chamber heat within 1° of target temperature at the thermocouple. Entry and exit openings are adjustable, and large, crowned rollers ensure positive belt tracking. An automatic shutdown sequence keeps the blower and belt running until the chamber has cooled. On its side with legs folded, Fusion can fit through a 78 cm (31") doorway. This rugged, affordable dryer is designed for years of dependable performance. Combined with a manual press or small automatic and a registration system like M&R's Tri-Loc, Fusion makes a perfect production dryer in small shops or an ideal sampling dryer in mid-size shops.

All equipment from The M&R Companies is built with M&R's unsurpassed attention to detail and commitment to quality, durability, innovation, and design excellence, and is backed by M&R's unparalleled 24-hour access to service, support, and premium parts. It's no wonder M&R is the first name in screen printing equipment.

STANDARD FEATURES

Air Handling

- Adjustable air displacement and evacuation systems
- Exhaust blower on 36-10, 48-10 & 60-10 models evacuates up to 7079 l/min (250 cfm)
- Exhaust blower on 36-6 models evacuates up to 4531 l/min (160 cfm)

Certification

- CE & UL compliant: Built to specifications established by the European Committee for Standardization® (CE) and Underwriters Laboratories® (UL)

Control Center

- After the dryer has been turned off, the blowers and belt will continue to run until the heat chamber has cooled
- Digital keypad with digital display

Conveyor System

- Conveyor belt is made of heat-resistant, Teflon®-coated fiberglass
- Driven by a reliable, heavy-duty, variable-speed DC motor
- Large anodized aluminum rollers are crowned for positive belt tracking

Design & Construction

- Adjustable entry/exit openings
- Air-cooled cabinet ensures long life for electrical components
- Circuit breakers allow easy reset
- Low-profile design makes it easier to see over the dryer
- On its side with legs folded, Fusion can fit through a 78 cm (31") doorway

Energy Efficiency

- Fast curing rates and high product throughput maximize dryer capacity and minimize per-unit cost
- Fuzzy-Logic controller ensures consistency by keeping heat within 1° of target temperature at the thermocouple
- Heavy-duty thermal insulation prevents heat from migrating into the workplace
- Process temperature and set temperature are displayed and controlled digitally

Heat Chamber

- Infrared radiant panel array
- Radiant panels are height adjustable

Productivity

- Sizes to fit most production needs from manual to automatic printing

Warranty, Service and Support

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

OPTIONS

Conveyor System

- Conveyor extension sections are available in 30 cm (12") increments

Heat Chamber

- 36-6-3 models are optionally available with pre-wiring for a fourth radiant panel

SPECIFICATIONS

	Fusion 36-6-3	Fusion 36-6-4	Fusion 36-10-6	Fusion 48-10-6	Fusion 60-10-6
Belt Width	91 cm (36")	91 cm (36")	91 cm (36")	122 cm (48")	152 cm (60")
Electrical Requirements¹	208/230 V, 1 ph, 60/63 A, 50/60 Hz, 12 kW 208/230 V, 3 ph, 34/37 A, 50/60 Hz, 12 kW 380/415 V, 3 ph, 22 A, 50/60 Hz, 12 kW	208/230 V, 1 ph, 76/83 A, 50/60 Hz, 16 kW 208/230 V, 3 ph, 44/48 A, 50/60 Hz, 16 kW 380/415 V, 3 ph, 27 A, 50/60 Hz, 16 kW	208/230 V, 1 ph, 109/120 A, 50/60 Hz, 24 kW 208/230 V, 3 ph, 64/71 A, 50/60 Hz, 24 kW 380/415 V, 3 ph, 38 A, 50/60 Hz, 24 kW	— 208/230 V, 3 ph, 87/95 A, 50/60 Hz, 32 kW 380/415 V, 3 ph, 51 A, 50/60 Hz, 32 kW	— 208/230 V, 3 ph, 109/119 A, 50/60 Hz, 39 kW 380/415 V, 3 ph, 65 A, 50/60 Hz, 39 kW
Exhaust Blower Size	10 cm (4")	10 cm (4")	10 cm (4")	10 cm (4")	10 cm (4")
Exhaust System Capacity @ 3 mm (1/8") Static Pressure²	4531 l/min (160 cfm)	4531 l/min (160 cfm)	7079 l/min (250 cfm)	7079 l/min (250 cfm)	7079 l/min (250 cfm)
Heat Chamber Length	183 cm (72")	183 cm (72")	305 cm (120")	305 cm (120")	305 cm (120")
Overall Length	320 cm (126")	320 cm (126")	488 cm (192")	488 cm (192")	488 cm (192")
Overall Width	114 cm (44.75")	114 cm (44.75")	114 cm (44.75")	158 cm (62")	188 cm (74")
Radiant Panels³	3	4	6	6	6
Shipping Weight	408 kg (900 lb)	454 kg (1000 lb)	635 kg (1400 lb)	726 kg (1600 lb)	816 kg (1800 lb)
Standard Infeed Length	76 cm (30")	76 cm (30")	107 cm (42")	107 cm (42")	107 cm (42")
Standard Outfeed Length	61 cm (24")	61 cm (24")	76 cm (30")	76 cm (30")	76 cm (30")

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

² Measured at the exhaust discharge port

³ 36-6-3 models are optionally available with pre-wiring for a fourth radiant panel



The M&R Companies
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