



Radicure™

Electric Infrared Textile Dryer

Eng



36" (91 cm) model shown with 2.5' (76 cm) infeed, 6' (183 cm) heat chamber, and 1.5' (46 cm) outfeed

Radicure

Radicure is M&R's ultra-efficient infrared electric textile dryer. Built for long life and maximum performance, Radicure is the low-cost alternative in high-performance textile drying. The most advanced thermodynamic process available is at the heart of Radicure's powerful heating source. This process enables Radicure to quickly achieve and maintain optimal operating temperatures. Radicure's radically enhanced airflow accelerates the drying/curing process and enhances curing consistency. Radicure further improves performance with separate dedicated blowers for circulation and exhaust. Radicure's radiant panels can be quickly and easily raised and lowered with convenient single-point height adjustment.

Radicure features M&R's patented heat-resistant fabric interior. This suspended wraparound insulation layer isolates the heat chamber from the outer skin. This allows Radicure to achieve dramatic improvements in heat retention while producing a corresponding reduction in outer skin temperatures. Radicure's System-Saver feature allows blowers and belt to continue to run in cooldown mode after radiant panel shutoff. Once Radicure reaches the cooldown target temperature, it automatically shuts off the blowers and belt. Other performance and convenience features include digital conveyor speed readout and tower-mounted temperature range indicator light.

Like all M&R equipment, Radicure is built with M&R's unsurpassed commitment to quality, durability, and design excellence, and is backed by the best service and support in the industry.

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Standard Features

Air Handling

- Adjustable air displacement and evacuation systems
- Airflow is radically enhanced to accelerate drying/curing
- Stainless steel filter slides out for easy cleaning

Certification

- Panel meets Underwriters Laboratories® (UL) standards and carries the UL label

Control Center

- Air-cooled cabinet assures long life for electrical components
- Fuzzy-Logic temperature controller program learns to modulate dryer process temperature more accurately as the dryer runs, ensuring the ultimate in curing consistency
- Process temperature and set temperature are displayed and controlled digitally
- Solid-state design
- System-Saver allows blowers and belt to continue to run in cooldown mode after heat source shutdown, then shut off automatically upon reaching the cooldown target temperature
- Temperature status tower light—visible to operators around the entire dryer perimeter—indicates temperatures are within user-set tolerances

Conveyor Belt Width

- 36" (91 cm), 48" (122 cm), and 60" (152 cm)

Conveyor System

- Conveyor belt is made of heat-resistant, Teflon®-coated fiberglass
- Driven by a reliable, heavy-duty, variable-speed DC motor
- Large diameter crowned aluminum conveyor rollers promote positive belt tracking
- Solid-state belt speed controller with digital belt speed readout makes it easy to duplicate speed settings

Design & Construction

- Adjustable entry/exit openings
- Assembled and tested at M&R's factory to assure turnkey operation
- Constructed of rigid steel and premium components
- Designed for maximum thermal efficiency
- Low-profile design

Heat Chamber

- Curing provided by infrared radiant panel array and forced air heat
- Double-wall construction
- Single-point radiant panel height adjustment
- Suspended insulating system dramatically improves heat retention for optimal operating temperatures and maximum cure rates (U.S. Patent No. 6,161,304)

Service

- 24-hour hotline

Training

- Access to M&R's Training Center

Warranty

- Two-year limited

Options & Accessories

Certification

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

Conveyor Belt Width

- Custom sizes available: Quoted upon request

Conveyor System

- Conveyor extension sections are available in 1' (30 cm) increments
- High-speed conveyor drive system for versatility when used with specialized graphics and industrial applications

Cooling Fan

- Cools garments, making them easier to handle as they exit the heat chamber
- Mounts over outfeed

Electrical Configurations

- Other electrical configurations are available

Graphics Model

- Specially designed for graphic products printed with inks that can be cured by infrared heat

SPECIFICATIONS

Model	Belt Width	Heat Chamber Length	Radiant Panels	Standard Infeed Length	Standard Outfeed Length	Overall Length	Electrical Requirements*	Exhaust Blower System**	Shipping Weight
Radicure 36/6	36" (91 cm)	6' (183 cm)	3	2' 6" (76 cm)	1' 6" (46 cm)	10' (305 cm)	208/230v, 1 phase, 62/68 amps, 60Hz 208/230v, 3 phase, 38/41 amps, 60Hz 380/415v, 3 phase, 20/22 amps, 60 Hz	4" (10 cm) Dia. 300 scfm @ 1/8" (3 mm) s.p.	1800 lbs (817 kg)
Radicure 36/6	36" (91 cm)	6' (183 cm)	4	2' 6" (76 cm)	1' 6" (46 cm)	10' (305 cm)	208/230v, 1 phase, 80/87 amps, 60Hz 208/230v, 3 phase, 48/52 amps, 60Hz 380/415v, 3 phase, 27/29 amps, 60 Hz	4" (10 cm) Dia. 300 scfm @ 1/8" (3 mm) s.p.	1800 lbs (817 kg)
Radicure 36/10	36" (91 cm)	10' (305 cm)	6	5' (152 cm)	5' (152 cm)	20' (610 cm)	208/230v, 3 phase, 70/77 amps, 60Hz 380/415v, 3 phase, 39/43 amps, 60 Hz	12" (30 cm) Dia. 1200 scfm @ 1/4" (6 mm) s.p.	2450 lbs (1112 kg)
Radicure 48/10	48" (122 cm)	10' (305 cm)	6	5' (152 cm)	5' (152 cm)	20' (610 cm)	208/230v, 3 phase, 91/100 amps, 60Hz 380/415v, 3 phase, 50/55 amps, 60 Hz	12" (30 cm) Dia. 1200 scfm @ 1/4" (6 mm) s.p.	2850 lbs (1293 kg)
Radicure 60/10	60" (152 cm)	10' (305 cm)	6	5' (152 cm)	5' (152 cm)	20' (610 cm)	208/230v, 3 phase, 112/122 amps, 60Hz 380/415v, 3 phase, 61/67 amps, 60 Hz	12" (30 cm) Dia. 1200 scfm @ 1/4" (6 mm) s.p.	3300 lbs (1497 kg)

* If incoming voltage differs from the voltage(s) listed in this brochure, calculate amperage accordingly

** Measured at the Exhaust Discharge Port

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