

SPRINT® 3000 DHZ



Dual Heat Zone Gas Screen Printing Conveyor Dryer



Patents Pending

FEATURES

- Functions flawlessly as a full-width split-belt 183 cm (72") single-chamber gas dryer
- Can be converted on the fly into twin 91 cm (36") heat chambers
- Heat chambers can be set at different temperatures and the belts can be run in the same or opposite directions

M&R's Sprint 3000 DHZ (patents pending) is destined to be a garment-curing game changer. Not only can it function flawlessly as a full-width split-belt 183 cm (72") single-chamber gas dryer, it can be converted on the fly into twin 91 cm (36") heat chambers. The heat chambers can be set at different temperatures and the belts can be run in the same or opposite directions. Operators can switch between single-zone and dual-zone curing as needs dictate, and they have the option of heating only one zone, dramatically decreasing energy costs when both zones aren't required. In essence, operators can run two 91 cm (36") dryers in the same footprint as M&R's standard 183 cm (72") Sprint 3000.

Sprint 3000 DHZ is loaded with the features that have made Sprint 3000 the most technologically advanced gas dryers in the industry. A variable-frequency AC-drive motor powers M&R's patent-pending Teflon-coated fiberglass Patriot Belt™ with the SureTrak™ roller system, the most precise

dryer belt tracking available. In fact, the incredibly tight belt tolerances enable Sprint 3000 DHZ to run its two split belts at the same speed in the same direction to seamlessly function as a single 183 cm (72")-wide belt.

M&R's patent-pending AccuSet™ retention-time belt-speed controller makes it easy to duplicate settings and eliminates the need to convert feet per minute into the time substrates will spend in the heat chamber. Job Recall™ allows operators to store operational parameters—and recall those settings for similar substrate/ink combinations. Other features include high-capacity circulation and exhaust blowers; an integrated roll-down outfeed hood with exhaust blower; adjustable entry and exit openings; and cleanout access panels on the sides of the burner sections and drone modules to simplify cleaning and maintenance. M&R's Maintenance Minder™ System alerts operators when scheduled maintenance is due. A four-color tower light enables personnel to monitor the dryer's operational status while away from the control center.

SPECIFICATIONS

	Sprint 3000 DHZ
Belt Width	183 cm (72")
Burner Input Maximum ³	300 000 Btu
Burner Width	283 cm (111.5")
Electrical Requirements ¹	208/230 V, 3 ph, 39/38 A, 50/60 Hz, 8.3kW 380/415 V, 3 ph, 26 A, 50 Hz, 8.3 kW
Electrical Requirements for 61 cm (24") Optional Radiant Section	208/230 V, 3 ph, 21/23 A, 50/60 Hz, 7.4 kW 380/415 V, 3 ph, 13 A, 50 Hz, 7.4 kW
Exhaust Blower Size	30 cm (12")
Exhaust System Capacity @ 6 mm (1/4") Static Pressure ²	50 970 l/min (1800 cfm)
Expansion Heat Modules	61 cm (24")
Gas Input Size	2.54 cm (1")
Heat Chamber Length	244 - 610+ cm (8' - 20+')
Heat Chamber Width	221 cm (87")
LP/Natural Gas Input Pressure	.93 mm Hg (5" w.c.)
Overall Length	732 - 1524+ cm (24' - 50+')
Shipping Weight ⁴	2177 kg (4800 lb)
Standard Infeed / Outfeed Length	244 cm (96") / 244 cm (96")

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 Measured at the Exhaust Discharge Port

³ Normal usage varies, but is significantly lower than the stated maximum

⁴ Weight applies to models with a 244 cm (96") heat/expansion chamber

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