

Phoenix Turbo Textile Drying Systems

With an exclusive intermittent radiant/jet-air design engineered for highly efficient plastisol curing, American M&M's *Phoenix Turbo Textile Drying Systems* can speed production throughput by as much as 40% over conventional radiant dryers.

Equipped with five high-intensity radiant panels (the premier source for fast, effective plastisol curing), Phoenix Turbo dryers employ a CAD-designed jet-air system with forced-air recirculation to ensure even heat coverage throughout the entire curing chamber and consistent curing action. By maintaining even heat coverage, jet-air permits curing at higher temperatures (and faster speeds) without potential scorching.



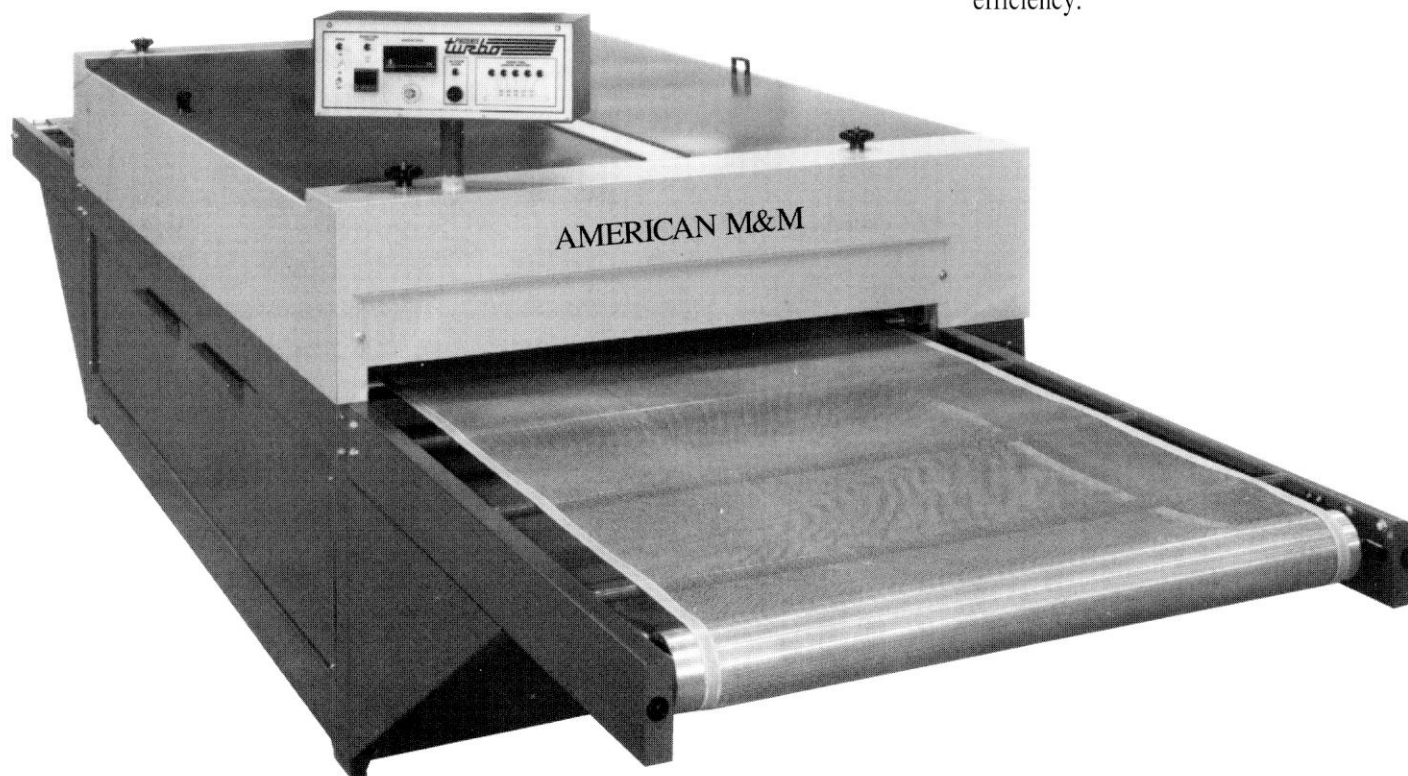
Phoenix Turbo systems utilize a high efficiency air recirculation system which reuses preheated air to reduce energy consumption. An adjustable exhaust vent controls percentage of recirculated air.

Other features include: outside access air filters allow quick changeover and cleaning convenience to minimize downtime; dual chamber doors permit unobstructed access to the jet-air knife and radiant panel section for easy cleaning or inspection; double-insulated curing chamber lowers ambient temperatures during operation; powerful blower assembly is fully insulated from dryer heat for increased performance and component life span; and an internal motion detector which shuts off operation is belt stops cycling.



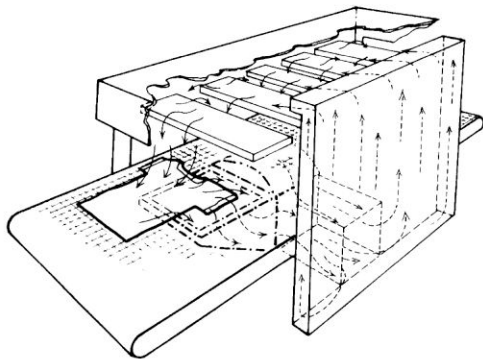
Turbo's electronic components are mounted above the curing chamber in a rotatable control box to prevent excess heat and dust contamination. Components include solid-state temperature control; digital belt speed readout; adjustable belt speed; heat element indicators; and an audible signal alarm. Main electrical components are positioned away from excess heat to provide extended life.

Adjustable radiant panel height adapts to specific garment thickness requirements to prevent scorching and increase energy efficiency.



Standard features:

- Infrared/Jet-Air Knife Cure Section:**
 Five radiant panels uniformly cure all types of plastisols. Jet-air knives, placed between each panel, direct and control recirculated air flow for exceptional curing coverage.
- Air Recirculation Network:**
 Reduces energy consumption by recirculating preheated jet-air. Filters remove lint and dust from curing environment to increase system efficiency.
- Outside Access Air Filters:**
 Air filter holders slide from dryer chamber for quick cleaning or inspection of filter element.
- Rotating Master Control Panel:**
 Control box can be rotated to suit operator's preference. Isolated position protects components from heat. Main electrical components are mounted on the side of the dryer, away from heat and dust, for extended life.

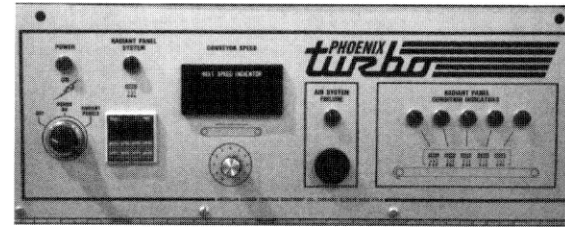
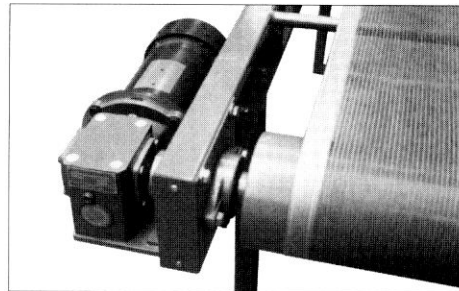


Phoenix Turbo Air Flow Diagram

- Double-Insulated Chamber:**
 Entire curing chamber is double-insulated to maintain cool ambient temperatures. Dual chamber doors open for immediate access to the radiant panel/jet-air knife curing system.
- Temperature Control:**
 Digital temperature readout provides exact feedback on radiant panel temperature. Variable control from 300° to 1000°F. Condition indicator lights signal radiant panel activity.
- Air System Warning Alarm:**
 Alarm signals operator to recirculation air flow obstruction or failure.
- Digital Belt Speed Readout:**
 Provides a digital readout of belt speed in feet per minute (FPM). Allows exact setup of repeat jobs.

Optional features:

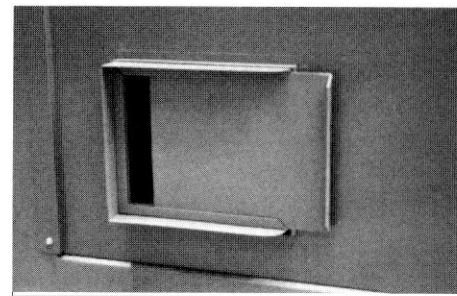
- Extended Conveyor Length:**
 Additional five foot infeed and outfeed sections available to suit your shop's production requirements.



Specifications

Model	Phoenix Turbo 48"	Phoenix Turbo 60"
Standard Voltage*:	240 VAC, 60 Hz, 3 phase	240 VAC, 60 Hz, 3 phase
Chamber Length:	10 ft. (3.05 m)	10 ft. (3.05 m)
Infeed Length:	5 ft. (1.5 m)	5 ft. (1.5 m)
Outfeed Length:	5 ft. (1.5 m)	5 ft. (1.5 m)
Overall Length:	20 ft. (6.1 m)	20 ft. (6.1 m)
Belt Width:	48" (122 cm)	60" (152 cm)
Weight:	2500 lbs. (1125 kg)	3000 lbs. (1350 kg)
Radiant Panels:	5 total, each 48 x 12" (122 x 31 cm)	5 total, each 60 x 12" (152 x 31 cm)
Conveyor Motor:	1/4 hp, 90 VDC	1/4 hp, 90 VDC
(for extended length)	1/2 hp, 90 VDC	1/2 hp, 90 VDC

*Electrical specifications available for all countries upon request.



Designed exclusively for high-powered plastisol curing