

Textile Systems



High Performance Slasher Dryers

The Lanly Company has specialized in the engineering and manufacturing of recirculating convection textile dryers for over 60 years.

Lanly's newest generation of Slasher Dryers are the preferred choice in applications where delicate filaments require a minimum tension during the drying process. Precise programmable process control allows a single system to efficiently handle a wide range of products. Even heavy, high denier count yarns, can be processed efficiently without the use of additional steam cans.

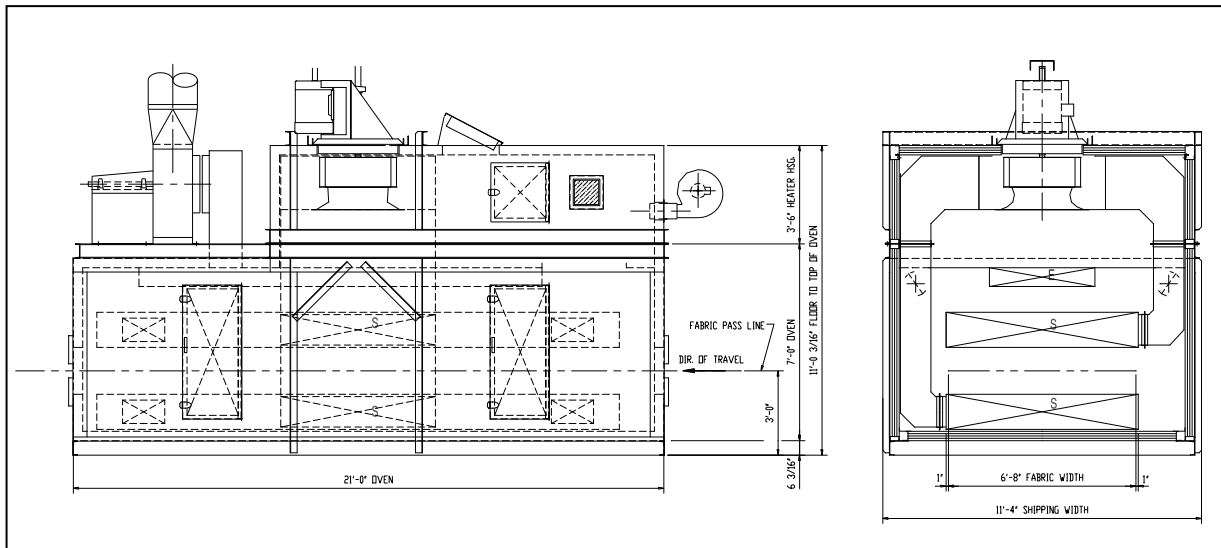
- Proven performance exceeding 240 ypm on typical polyester yarns
- The High Volume / Low Velocity design significantly reduces yarn twisting and stretching, while increasing abrasion resistance
- The non-contact drying system improves size uniformity, increasing weaving efficiency and decreasing stops
- A pressurized plenum system supplies heated air from above and below the sheds. This extremely uniform air flow ensures consistent drying and high speed processing of yarns
- Optional closed loop humidity control provides increased uniformity throughout summer and winter, and improved energy efficiency.

FEATURES

- ▶ Lanly insulated, interlocking panel construction ensures thermal efficiency and energy conservation.
- ▶ Aluminized steel interior and exterior surfaces for corrosion resistance.
- ▶ All ductwork is four-sided aluminized steel using radius inlet ports to provide a uniformly distributed blanket of air the full length and width of the dryer.
- ▶ Dryer and sizing machine control systems can communicate bi-directionally to automatically control dryer parameters for various styles and operating conditions.
- ▶ Full opening, gasketed access doors provide “walk-in” access for cleaning.
- ▶ Quick Cool system automatically cools the air stream on line stops to prevent yarn damage.
- ▶ Dryers are fully assembled and tested prior to shipment to ensure rapid, trouble-free installation.



Radius Port ducts above and below yarn ensures uniform, efficient drying



TYPICAL DESIGN SPECIFICATIONS

- ▶ Production rate – Proven production rates in excess of 240 ypm
- ▶ Yarn sheet width – Standard systems from 50 in to 100 in; custom sizes available for any application
- ▶ Operating temperature – Typical 300° F to 450° F
- ▶ Heating system – Single zone; choice of natural gas, LPG, electric, steam, or oil fired
- ▶ Recirculation system – Typically single programmable AC variable speed fan; larger systems may have two (2) circulating fans
- ▶ Exhaust system – Programmable AC variable speed fan
- ▶ Voltage – Typical 460 Volts, 3 Phase, 60 Hertz
- ▶ Controls – NEMA 12; designed in compliance with NFPA and safeguards to FM or IRI



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