RADIANT ENERGY SYSTEMS, INC.

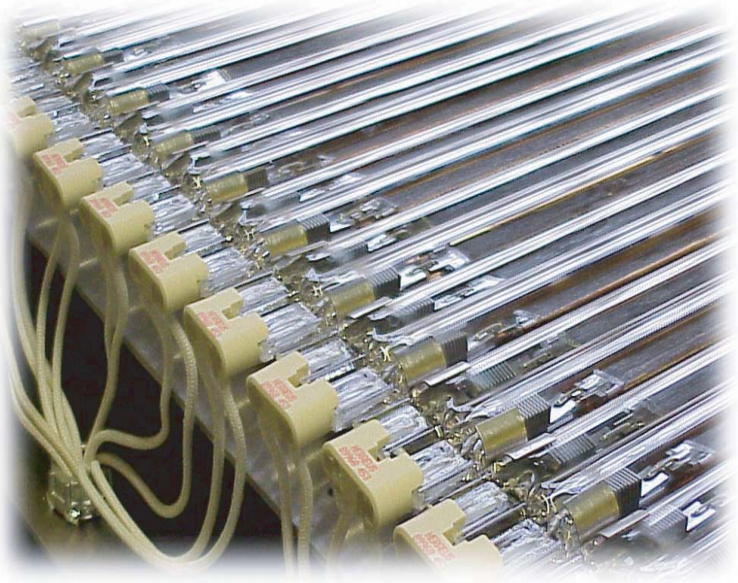
175 North Ethel Avenue ~ Hawthorne, NJ 07506
Tel: 973-423-5220 ~ Fax: 973-423-5228

EXCELLENCE IN PROCESS HEATING™

WWW.RADIANTENERGY.COM

Application Solutions for the Web Processing Industry

Providing innovative heating, drying & curing solutions .....



Radiant Energy Systems, Inc.

Excellence in Process Heating ™

140 FT. LONG HOT AIR OVEN

- Dry & cure solvent coatings on Polyethylene Film
- Line Speeds up to 350 fpm, web width-82”
- Retractable Top Cap for easy access for threading & cleaning
- Stainless nozzles for ease of cleaning

GAS FIRED HOT AIR OVEN

- Dry water based coatings on paper at 400 fpm
- 4.5 lbs/ream dry coating weight
- Effective dryer length – 22 ft., width 66”
- Space saving design

INFRARED AIR & HOT AIR OVEN COMBINATION for DRYING WATER BASED COATINGS ON FILM

- 20 ft. long Infrared Air Oven followed by 25 ft. Hot Air Oven
- Heaters & Nozzles top and bottom
- Line speeds up to 50 fpm; Coating thickness – 20 mils wet
- Multiple zones for better versatility and uniformity
- Stainless interior for ease of cleaning

INFRARED AIR & HOT AIR OVEN COMBINATION for PRE-HEATING FABRICS FOR LAMINATION

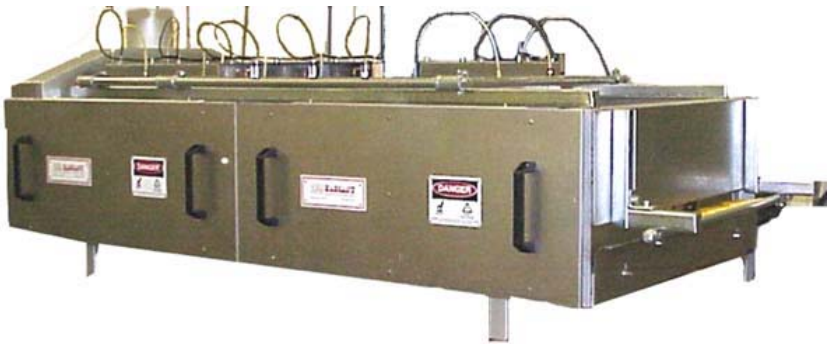
- Heaters top and bottom; Nozzles top only
- Line speeds up to 50 fpm; Web temperature up to 650º F
- Multiple zones for better versatility &
- Fabric & nonwoven webs carried on a Clip Tenter Frame
- Fast heat up and cool down heaters

Radiant Energy Systems, Inc.
Excellence in Process Heating ™

HIGH VELOCITY IMPINGEMENT HOT AIR OVEN for DRYING & CURING WATER BASED PSA COATINGS ON LDPE

- 120 ft. long, 6 zone
- Line speeds up to 600 fpm; web width–78”
- Special design for minimum web shrinkage
- Stainless steel interior for ease of cleaning
- Clam Shell for easy access to inside

MULTIPLE ZONE INFRARED HEATING SYSTEM for HEATING FILTER PAPER



- Line speeds up to 60 fpm; web width up to 30”
- Optical Pyrometer temperature control
- Connected Load – 36.5 kw

Radiant Energy Systems, Inc.
Excellence in Process Heating ™

DRYERS FOR THE FLEXO INDUSTRY

DORTMANN 8000 INTERSTATION DRYING SYSTEM

The skid for the Dortmann Drying System includes a control panel, electric heater, blower and transition ducts to simplify field installation.

DORTMANN 8000 NOZZLE ASSEMBLY

- For 6” wide web running at 850 fpm
- Dortmann 8000 Nozzles are designed to fit in tight spaces and deliver uniform drying.

Radiant Energy Systems, Inc.

Excellence in Process Heating ™

INFRARED PREDRYER

INFRARED AIR PREDRYER

INFRARED AIR PREDRYERS

Quick return on investment
Boosts line speeds by 50% on PSA line
Fast heat up & cool down; rapid response
Medium wavelength – ideal for water removal
Line speed increased from 100 fpm to 150 fpm
No quartz or ceramic in front of elements to block energy
Unique combination of Infrared & Air improves drying without skinning the coating surface

www.radiantenergy.com