

# WORKHORSE MD8 SERIES

## GAS DRYERS

The Money and Space Saving Gas Dryer



## Overview

The MD8 is a compact, powerful gas fired dryer designed to cure a wide variety of substrates. The MD8 has many of the features commonly found with larger dryers combined with a space savings footprint and competitive price. This dryer is designed to cure all types of screen printed, digital printed and other coated products. The MD8 offers a patented Air Deflector Recycling System that re-circulates heated air through the heat chamber providing some of the most efficient and balanced curing on the market.

The drying process uses high velocity air and balanced air flow at a process speed of 1 ft./min up to 25 ft./min. Specially formed jet nozzles in the dryer hood provide high velocity air and heat convection with a 7.5 HP blower

generating balanced air flow. This air nozzle heat distribution feature is typically found only on dryers that cost much more. The blower has a re-circulating air capacity of 6,000 CFM. Cure temps range from 260 to 450F for efficient drying of the ink with temperature accuracy of  $\pm 2\%$  of set temperature up to 450°F.

### FEATURES:

- 36", 48" and 60" Belt Widths
- Additional Hot Air and Infeed / Exit Conveyor Attachments
- Patented Air Deflector recycling system

## STANDARD FEATURES

AIR DEFLECTOR RE-CIRCULATING SYSTEM  
 POWERFUL 250,000 BTU STAINLESS STEEL BURNER  
 SLIDE OUT EASY CLEAN FILTER DRAWER  
 HIGHER VELOCITY JET NOZZLES FOR BETTER AIR DISTRIBUTION  
 SIDE ACCESS CLEAN OUT DOOR  
 ENLARGED HEAT PLENUM FOR MAXIMUM AIR VELOCITY  
 UL AND CE APPROVED COMPONENTS

### STANDARD 8' OVEN SECTION

- Each dryer section is made with double wall insulated construction comprised of Aluminized Steel (non-corrosive) sheet metal for a high temperature interior. Within the double walls is 3" thick insulation and heat brake lines to keep the heat inside the dryer with minimum heat loss. The exterior is painted with thick industrial powder coating and all fans are mounted within the footprint of the dryer without any parts protruding to the sides.

### EASY ACCESS CONTROLS

- This user friendly, large ergonomic control panel has many valuable functions. Functions include, conveyor speed control with illuminated digital display, 1-25 ft./min. An Athena air temperature control with PD function and display for set and actual value. Digital settings with alarm function, max 180C with blower, fans on/off, heat on/off and separate on-off controls for the 3 IR sections.

### HIGH TEMP SELF TRACKING BELT

- The 36" to 60" wide black mesh conveyor belt (order specific) is made of a heavy duty Teflon coated glass. A belt tracking system is in place to correct any side to side drift off of the conveyor. A 1 HP conveyor drive motor with speed regulator and digital read out of conveyor speed 1-10 m/min powers the belt.

## OPTIONS

- Infra-Red Panel
- Cooling Sections
- Additional Conveyor Sections
- Hi-Temp Feature: Up to 450 Degrees
- Electric Hot Air Burner
- Automatic Doffing System for Flat Goods
- UV Curing Capability with Vacuum Hold Down
- Split Belts with Independent Speed Adjustments

## SPECIFICATIONS

Gas Type: Natural or Propane 6-12" WC3/4" NPT  
 Electric: 208-230 V, 3 Phase 35 AMP

MODEL	BELT SIZE	A	C
3608	36"	70"	45"
4808	48"	82"	57"
6008	60"	97"	69"

