

Application Associates

252 Lackland Drive, Middlesex, NJ 08846
Phone 732-627-9400 – fax 732-627-9401



Centrifugal Blowers, Air Knives & Drying Systems

Designed, built and perfected on a heritage of racing

AIR KNIFE DRYING SYSTEMS

FOOD APPLICATIONS



Paxton Air Knife Drying Systems use significantly less energy than a standard high-pressure plant air system while doing a much more effective job. At the heart of the air knife system is a Paxton high speed, single stage centrifugal blower, designed for continuous duty. It delivers an accurate, constant and pre-determined volume and velocity of air. Paxton blowers, with automatic belt tensioning, provide operating speeds of 10,000 to 19,000 RPM at pressures of 14 to 111 inches of water and delivers 70 to 1150 CFM. The clean, dry, oil-free air from the blower is channeled through the Paxton air knives, removing 95% to 100% of the liquid from the product's surface.

With a wide choice of motor and blower combinations to select from, every system is accurately designed to meet the specific requirements of a particular application.

Applications

Tin Cans

- Prior to labeling
- Prior to inkjet coding
- Corrosive prevention
- Leak detection

Jars

- Pressure sensitive labeling
- Inkjet coding
- Labeling cold fill bottles
- Hot melt labeling
- Bacteria and corrosion prevention under lid
- Leak detection

Meat, Poultry, Fish, Cheese & Frozen Foods

- Post shrink tunnel
- Before labeling
- Before freezing
- Accurate weight

Produce

- Post wash/rinse

Candy

- Coating chocolate

Crates & Trays

- Prevents bacteria
- Eliminate moisture issues after washing

Conveyor Belts

- Prevent bacteria after CIP system
- Prevent ice build up
- Blow-off remnants from belt

Benefits

- Reduced energy and operating costs
- Increased throughput with greater efficiencies
- No water spots and moisture related problems
- Utilizes very little space
- Product remains as clean after drying as it was after washing/rinsing
- You only pay for what you need

Specifications

- **Discharge Air Velocities:** 13,000 to 38,000 fpm
- **Discharge Air Volume:** 70 CFM to 1150 CFM
- **Pressures:**
0.5 PSI (13.88" H₂O) to 4.0 PSI (111.04" H₂O)
- **Sound Levels:** OSHA Compliant
- **Temperature Ratings:**
10°F (-12°C) to 105°F (40°C) Ambient

Advantages

- Far less expensive to operate than high velocity in-plant air systems
- No secondary heat source required for most applications
- Product speeds of 1 to 1000 FPM
- System is designed to match your specific requirements
- Adapts to any line speed
- Adapts to any conveyor
- Hard anodized and FDA approved stainless steel air knives
- Low noise levels compared to compressed air
- Low maintenance
- Low shipping, handling and installation costs
- Low initial investment

Features

- 100% Performance Guarantee
- Delivers clean, dry, oil-free air
- Significant energy savings over compressed air
- 3 Year Warranty Program
- Wide choice of blowers and horse power combinations to select from
- Delivers more volume at higher velocities than any other comparable systems in the industry
- Reduces/eliminates need for heat zones and tunnels
- Versatile
- Small, compact footprint
- Easy to install



Centrifugal Blowers, Air Knives & Drying Systems

Since 1957

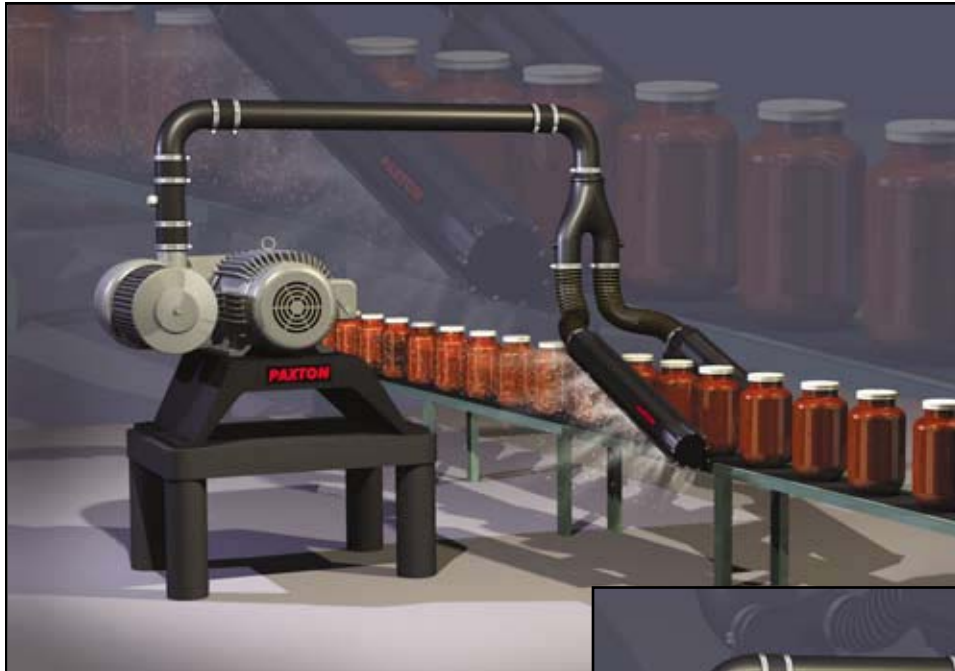
10125 Carver Road
Cincinnati, OH 45242 USA

Application Associates

252 Lackland Dr – PO Box 488 – Middlesex, NJ 08846
Phone 732.627.9400 – Fax 732.627.9401

www.paxtonproducts.com

PAXTON AIR KNIFE DRYING SYSTEMS

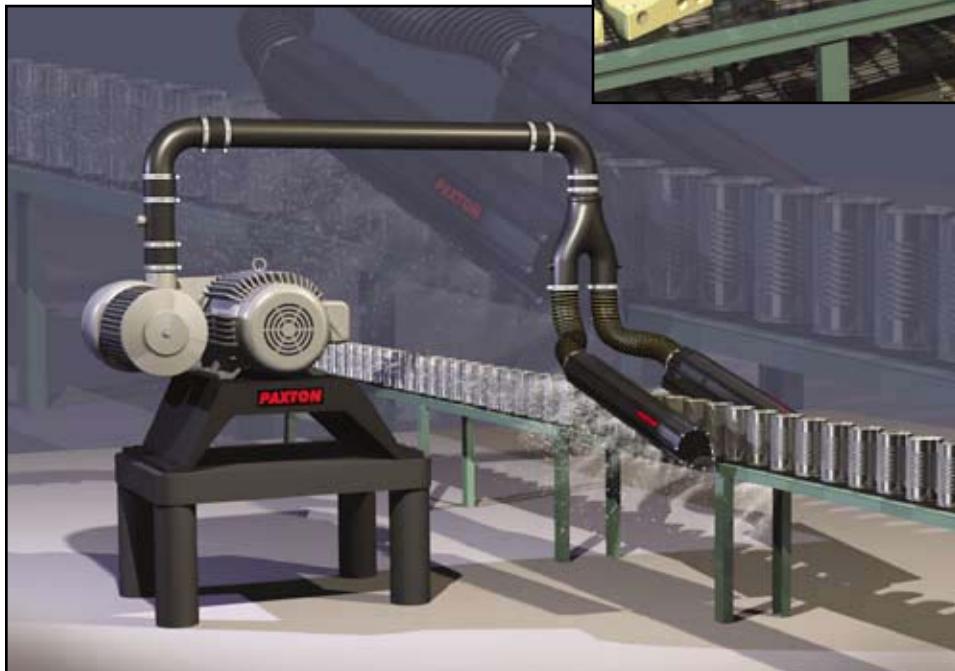


10125 Carver Road
Cincinnati, OH 45242 USA

Application Associates

252 Lackland Dr – PO Box 488 – Middlesex, NJ 08846
Phone 732.627.9400 – Fax 732.627.9401

www.paxtonproducts.com





10125 Carver Road
Cincinnati, OH 45242 USA

Application Associates

252 Lackland Dr – PO Box 488 – Middlesex, NJ 08846
Phone 732.627.9400 – Fax 732.627.9401

www.paxtonproducts.com





10125 Carver Road
Cincinnati, OH 45242 USA

Application Associates

252 Lackland Dr – PO Box 488 – Middlesex, NJ 08846
Phone 732.627.9400 – Fax 732.627.9401

www.paxtonproducts.com



Optional Equipment

- Wash down and acustical enclosures
- 316 stainless steel air knives
- Air knife and cone manifold mounting brackets

Accessories

- “Y” Dividers
- Velocity Adjustment Valves
- Hose and Clamps
- Elbows
- Nozzles
- Filters

Technical Assistance

Technical Assistance:

Paxton Sales Engineers and Technical Support staff will work closely with you to ensure that every blower and air knife system is designed and constructed to meet your specific operating requirements.

Ordering Information:

To receive more information or to place an order, contact Paxton Products or the local Paxton representative in your area. Please visit www.paxtonproducts.com for additional information. Be sure to fill out and submit a Quick Quote and a representative will get back to you within 24 hours from the time we receive it.



Application Associates

252 Lackland Dr – PO Box 488 – Middlesex, NJ 08846
Phone 732.627.9400 – Fax 732.627.9401

fax: (513) 891-4092

www.paxtonproducts.com