



Blow Air Smarter



With over 50 years of industry expertise combined with the strong global foundation of ITW, Paxton Products is the preferred solution for drying and blow-off applications around the world.

Why Paxton Products?

Market Leadership

Over 50 years of industry innovation and market leadership in blow-off and drying systems

Customized Solutions

Trusted engineering expertise in the design of solutions tailored to meet specific application needs while maximizing energy efficiencies and lowering operating costs

100% Performance Guarantee

Systems are guaranteed to perform to customer requirements

Large Installed Base

A comprehensive list of customers throughout many industries

Located in Cincinnati, Ohio, USA, Paxton Products is the industry leader in air delivery solutions, services and products. Paxton Products is part of the globally recognized Illinois Tool Works (ITW), a Fortune 200 company headquartered in Chicago, Illinois. For over 50 years, Paxton Products has provided superior products, unmatched engineering expertise and an industry-best warranty with a 100% performance guarantee.

In 1957, Paxton Products introduced the racing industry's first high-performance supercharger, an air compression device that enhanced the speed and performance of the engine. In response to the 1970's energy crisis, Paxton pioneered the first centrifugal blower for commercial and industrial applications, utilizing the same high-performance, energy-efficient air delivery technology used in the supercharger. The blower for industrial applications was driven by an electric motor and pulley system, producing significant amounts of air flow with minimal energy usage.

A pioneer in the development of air knives and widely regarded as an expert in air flow systems and solutions, Paxton has refined today's air delivery device designs for "precision-drying," coating control, removal of dust and other unwanted materials, as well as air curtains and other drying applications. Paxton Products' technical application engineers have decades of experience and can design a solution for your application needs.

The Leader in Drying Solutions!



IT PERFORMS
AS DESIGNED OR
WE'LL MAKE IT RIGHT

Performance Guarantee

Paxton Products, the leader in Drying Solutions, offers a 100% Performance Guarantee for any Paxton Air Delivery System designed, assembled, balanced and approved by Paxton for drying and blow off applications.

Paxton will either remedy the performance or fully refund the price of the entire system.

Go to paxtonproducts.com for more information.

Air systems designed by Paxton bring the highest efficiency to a variety of industrial applications. By combining a high efficiency centrifugal blower with custom engineered air delivery devices, a Paxton air system performs better.

Drying: shears water and other liquids off of the target, leaving a clean, dry surface

Blow off: removes dirt, shavings, sawdust, coatings, solvents

Convey: moves and sorts parts, capsules, frozen foods and more

Hold down: in vacuum mode, holds down fabrics, wood and plastics

Rinsing/Cleaning: neutralize static charge to release dust and particulates from bottles, cans, plastics, laminates and metal surfaces

Custom Air Systems

Applications

Bottling and Canning

Extrusions

Electronics & Solar

Food Processing & Packaging

Industrial Products

Pharma, Medical & Nutra

	Water	Other liquids ¹	Particles ²	Saw dust or metal shavings	After painting or coating	After wash or rinse	Pre-packaging	Vacuum hold down	Pneumatic conveying	Sorting	Static Elimination	Ionized Air Rinsing
Extruded products												
Tires	●	●				●						
Vinyl siding	●	●	●		●	●	●				●	●
PVC & Plastic pipes	●	●	●			●	●				●	●
Metal rods	●	●	●		●	●	●					
Wire and coated wire	●	●	●		●	●	●					
Films	●	●	●								●	●
Plastic sheets	●	●	●								●	●
Electronics & Solar												
Flat panels	●	●	●								●	●
Printed circuit boards	●	●	●		●	●	●					
Film & panels	●					●	●				●	●
Industrial Products												
Wood products		●	●	●	●	●	●	●				
Fabric							●					
Rolled metals	●	●	●		●						●	●
Automotive parts & Wheels	●	●	●		●						●	●
Engine blocks	●	●	●		●							
Radiators	●	●	●		●							
Transmissions	●	●	●		●							
Crates & Trays	●	●	●		●	●	●				●	●
Conveyor Belts	●	●	●		●	●	●					
Machined parts	●	●	●		●	●	●				●	●
Plastic parts	●	●	●			●	●	●	●	●	●	●
Parts after painting or coating	●	●	●		●	●	●				●	●

¹Including oils, cleaning agents, sealants, rust inhibitors, etc.
²dust, debris, powders, contaminants



After wash or rinse	Prior to ink jet coding	Prior to labeling	Prior to packaging or overpack	Prevent corrosion & bacteria	After wash or rinse	Dry under the cap or lid	Hot melt labeling	Leak Detection	Post Shrink Tunnel	Before freezing	Blow off cleaning	Accurate Weighing	Prevent ice buildup	Distribute coating	Convey and Sort	Ionized Air Rinsing
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Beverage & Bottling Applications

Aluminum & Tin Cans	●	●	●	●	●	●	●	●								●
PET Bottles	●	●	●	●	●	●	●	●	●							●
Jars & Glass Bottles	●	●	●	●	●	●	●	●	●							●
Pouches	●	●	●	●		●										●
Crates & Trays	●				●	●										●

Food, Food Processing, & Food Packaging Applications

Meats, Fish & Cheese	●	●	●	●	●	●	●	●	●	●	●					
Produce	●			●		●					●					
Frozen Foods	●		●	●						●	●			●		
Coated foods (chocolate coated, sugar coated, etc)				●									●	●		
Food molds	●				●	●										
Packaging	●	●	●		●	●	●	●	●		●	●				●
Tin cans		●	●	●	●	●	●			●	●					●
Jars		●	●	●	●	●	●			●	●					●
Crates & Trays	●				●	●				●	●					●
Conveyor Belts	●				●					●	●	●				

Pharmaceutical, Nutraceutical & Medical Applications

Liquid formulation production	●					●				●						
Capsule and caplet production		●		●					●				●	●		
IV and Solution pouches		●	●	●	●											●
Durable medical devices		●	●	●				●								●
Packaging and Overpack		●	●	●		●	●			●				●	●	

Bottling & Canning

Paxton has served the canning and bottling industry for more than half a century; and understands the importance of drying technology in enhancing speed and productivity in bottling and canning facilities, while ensuring the highest quality. All Paxton systems are custom engineered to meet the specific needs the package type, the line configuration and the quality standards.

Benefits:

- > Increase line speeds
- > Reduce customer returns
- > Improve quality of ink jet coding
- > Prevent corrosion & bacterial growth under the lids
- > Ensure adhesion of heat shrinkable and pressure sensitive labels
- > Eliminate compressed air or water rinsing
- > Reduce energy usage by as much as 80%

Paxton Products used:

- > PowerDry system leads the industry for date coding applications
- > AT-series and XT-series Paxton blowers are configured with air delivery devices to blow off and dry throughout the bottling and canning process, and provide ionized air for rinsing
- > The Paxton CapDryer provides complete drying of the bottle neck and lid to improve quality of coding, tamper banding, labeling and vision system results
- > The Paxton Ionized Air System maximizes cleaning performance while minimizing energy usage for efficient container rinsing or to replace water rinsing



After wash or rinse	Prior to ink jet coding	Prior to labeling	Prior to packaging or overpack	Prevent corrosion & bacteria	After wash or rinse	Dry under the cap or lid	Hot melt labeling	Pre-packaging	Ionized Air Rinsing
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Beverage & Bottling Applications									
Aluminum & Tin Cans	●	●	●	●	●	●	●	●	●
PET Bottles	●	●	●	●	●	●	●	●	●
Jars & Glass Bottles	●	●	●	●	●	●	●	●	●
Pouches	●	●	●	●		●			●
Crates & Trays	●				●	●			●

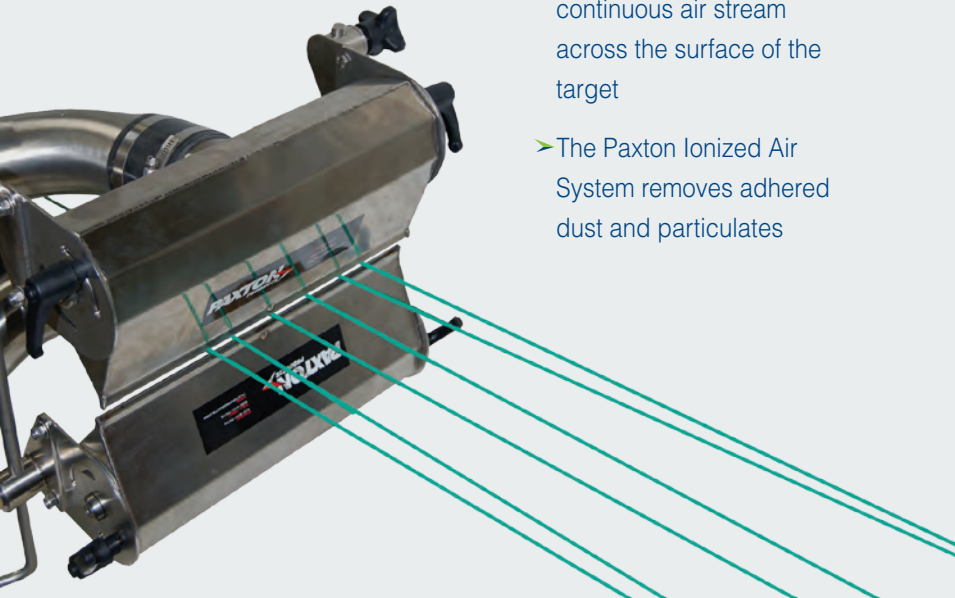


Extrusions

Fast, effective blow off is critical to maintaining production rates. Paxton Air Systems not only blow off fast, but enhance the quality by eliminating oils & scales associated with compressed air. And Paxton Air Systems use 1/5 the energy of compressed air. Highest quality. Lowest energy usage. Guaranteed.

Paxton Products used:

- AT-series and XT-series Paxton blowers are configured with air delivery devices to blow off and dry.
- Air knives provide a continuous air stream across the surface of the target
- The Paxton Ionized Air System removes adhered dust and particulates



Extruded products	Water	Other liquids ¹	Particles ²	After painting or coating	After wash or rinse	Pre-packaging	Static Elimination	Ionized Air Rinsing
Tires	●	●	●					
Vinyl siding	●	●	●	●	●	●	●	●
PVC & Plastic pipes	●	●	●		●	●	●	●
Metal rods	●	●	●	●	●			
Wire and coated wire	●	●	●	●	●			
Films	●	●	●				●	●
Plastic sheets	●	●	●				●	●

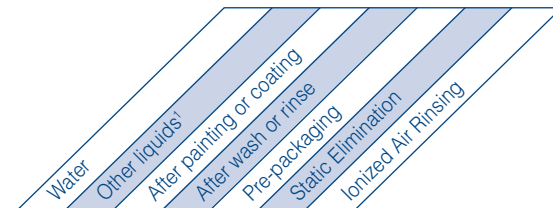
¹Including oils, cleaning agents, sealants, rust inhibitors, etc.
²dust, debris, powders, contaminants

Electronics & Solar

Electronic and solar applications require the cleanest air. Paxton blowers configured with outlet Nano or HEPA filtration give the highest quality air while using 1/5 the energy. Paxton provides a wide variety of air delivery devices, with available ionizing to neutralize static and release adhered particulates. Paxton Air Systems can clean and dry any component to meet exacting standards.

Paxton Products used:

- AT-series and XT-series Paxton blowers are configured with air delivery devices to blow off, dry, convey, clean and air rinse
- The Paxton Ionized Air System neutralizes static to blow away adhered dirt, dust and particulates



Electronics & Solar

Flat panels	●	●				●	●
Printed circuit boards		●	●	●	●		
Film & panels	●			●	●	●	●

*including oils, cleaning agents, sealants, rust inhibitors, etc.



Food Processing & Packaging

Whether cleaning, drying, coating or conveying, food processors and packagers rely on Paxton Air Systems to improve their production.

Benefits:

- Replaces compressed air systems with 1/5 of the energy usage
- Reduced heat compared to other blower types
- Better water removal for accurate weighing
- More even coating of cheeses, bakery products, etc.
- Improved sanitation of crates, trays, pans and conveyors

Paxton Products used:

- AT-series and XT-series Paxton blowers are configured with air delivery devices to blow off, dry and convey
- PowerDry Systems dry the tops and under the rims of cans, jars and bottles
- Paxton Ionized Air System removes adhered dirt and particulates from packaging and containers

After wash or rinse	Prior to ink jet coding	Prior to labeling	Prior to packaging or overpack	Prevent corrosion & bacteria	After wash or rinse	Dry under the cap or lid	Hot melt labeling	Leak Detection	Post Shrink Tunnel	Before freezing	Blow off cleaning	Accurate Weighing	Prevent ice buildup	Distribute coating	Convey and Sort	Ionizing Air Rinsing
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Food, Food Processing, Food Packaging Applications

Meats, Fish & Cheese	●	●	●	●	●	●	●	●	●	●	●					
Produce	●			●		●				●						
Frozen Foods	●		●	●					●		●				●	
Coated foods (chocolate coated, sugar coated, etc)				●									●	●		
Food molds	●				●	●										
Packaging	●	●	●		●	●	●	●	●		●	●				●
Tin cans		●	●	●	●	●	●			●	●					●
Jars		●	●	●	●	●				●	●					●
Crates & Trays	●				●	●				●	●					●
Conveyor Belts	●					●				●	●	●				



Industrial Products

Whether drying, coating, conveying or blowing off debris, Paxton blowers and air delivery devices are more energy efficient and are guaranteed to get the job done. With blowers from 3 hp to 20 hp, Paxton has the right size for your product.

Paxton Products used:

- AT-series and XT-series Paxton blowers are configured with air delivery devices to blow off, dry and convey
- Nozzle manifolds are used when the target is more than 5" away; or for irregular shapes and products having nooks, crannies and holes
- Air knives provide a continuous air stream across the surface of the target
- Paxton Ionized Air System eliminates static, releasing dust and dirt prior to painting, finishing or packaging

Industrial Products	Water	Other liquids ¹	Particles ²	Saw dust or metal shavings	After painting or coating	After wash or rinse	Pre-packaging	Vacuum hold down	Pneumatic conveying	Sorting	Static Elimination	Ionized Air Rinsing
Wood products		●	●	●	●	●	●					
Fabric								●				
Rolled metals	●	●	●	●	●	●					●	●
Automotive parts & Wheels	●	●	●	●	●						●	●
Engine blocks	●	●	●	●	●							
Radiators	●	●	●	●	●							
Transmissions	●	●	●	●	●							
Crates & Trays	●	●	●	●	●	●					●	●
Conveyor Belts	●	●	●	●	●	●						
Machined parts	●	●	●	●	●	●					●	●
Plastic parts							●	●			●	●
Parts after painting or coating	●	●	●	●	●	●					●	●

¹Including oils, cleaning agents, sealants, rust inhibitors, etc.
²dust, debris, powders, contaminants





Pharma, Medical, and Nutra

Medical devices, pharmaceuticals and nutraceuticals must meet the highest standards of clean production and packaging. Paxton Air Systems can be configured to meet GMP standards for these sensitive applications by including stainless steel air knives and air manifolds, a blower washdown enclosure, and Nano or HEPA outlet filtration for the blower.

Paxton Products used:

- AT-series and XT-series Paxton blowers are configured with a washdown enclosure and stainless steel air delivery devices to blow off, dry, convey and clean
- Power Dry Systems dry the tops and under the rims of jars and bottles
- The Ionized Air System will remove dust and particulates prior to packaging



After wash or rinse	Prior to ink jet coding	Prior to labeling	Prior to packaging or overpack	Prevent corrosion & bacteria	After wash or rinse	Dry under the cap or lid	Hot melt labeling	Post Shrink Tunnel	Blow off cleaning	Distribute coating	Convey and Sort	Ionized Air Rinsing
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Pharmaceutical, Nutraceutical & Medical Applications												
Liquid formulation production	●					●			●			
Capsule and caplet production		●		●				●		●	●	
IV and Solution pouches		●	●	●	●	●						●
Durable medical devices		●	●				●					●
Packaging and Overpack		●	●			●	●	●		●	●	

Paxton Products designs & manufactures high performance air delivery systems that are custom engineered to optimize drying, blow off and cleaning of your products. The process begins with your application: what size, what shape, what speed, how much water or debris to be blown, what configurations - then the air delivery device is engineered to these requirements.

No matter what configuration of air is needed, Paxton has it, from drying a single surface to 360 degree drying. And if you can't find the configuration that works for you, Paxton will design an air delivery device that will.

Air Delivery Devices

Nozzle Manifolds and Ionizing Manifolds

Paxton Nozzle Manifolds are ideal for applications that require a greater than standard distance between the air source and the surface to be dried or blown off. Nozzle Manifolds maintain thrust as far away as 18 inches (450 mm).

Nozzle Manifolds are the ideal blow off solution for:

- conveyors of multiple item types of various sizes and shapes
- products that have a multi-faceted surface to dry
- products with nooks, crannies or holes
- applications requiring air with a concentrated high thrust
- applications where it is critical to mount the air delivery devices more than 5 inches (130 mm) from the blow off surface



Performance Specifications:

Pressure, inches of water	Air flow, cfm, per nozzle
40	34
50	38
60	41
70	44
Pressure, mbar	Air flow, m ³ /hr, per nozzle
100	58
125	65
150	69
175	75



Air Knives and Ionizing Air Knives

Available in both aluminum* and 304 stainless steel, Paxton Air Knives are designed to give maximum efficiency for high velocity drying, blow off and cleaning applications. The air knives feature a continuous, uninterrupted air slot design that gives uniform coverage over the target area, with a standard gap setting of 0.055 inches (1.4 mm). The rugged 304 SS construction of the stainless steel air knives stand up to the harsh detergents used in washdown facilities.

**Ionizing Option not available in Aluminum*

Performance Specifications:

Pressure, inches of water	Air flow, cfm, per inch of air knife
40	9.5
50	10.5
60	11.3
70	12.2

Pressure, mbar	Air flow, m ³ /hr, per cm of air knife
100	16.1
125	17.7
150	19.2
175	20.7





Spyder Manifold

Now available in 3 sizes, the spyder manifold is the most effective system for drying tips, sides and under the rim of cans, bottles and jars. Spyder Manifolds combine inline nozzles with "spider-like" arms that flex to any position to reach under and around to accommodate specific drying needs. The spyder arms quickly adjust to different sizes and shapes, for multi-purpose lines.

- under the crown and the rim
- adjustable for varying product and package sizes
- prevents bacteria and corrosion under the lid

Specifications:

- Available in polyethylene and stainless steel
- Nozzles:
 - Loc-Line nozzle construction
 - ½ inch (1.3 cm) ID
 - Flare Tips

No. of Spyder Arms	4	8	16
No. of Inline Nozzles	6	4	6
Length	30" (76 cm)	30" (76 cm)	40" (102 cm)
OD	3" (7.6 cm)		
Spyder Arm Length	15.5" (39 cm)		

Inline Manifold

The Inline Manifold is ideal for drying the tops or bottoms of cans, jars, and other containers thoroughly, prior to date coding or other packaging operations. The Inline manifold has six nozzles focused on the top surface of the product and is available with either a polypropylene manifold or a 304 stainless steel manifold, both with Loc-Line nozzles.

The spacing of the nozzles powers a one-two-three thrust at the target.

Specifications:

- Available in both polyethylene and stainless steel
- 30 inches long x 3 inch OD
(76.2 cm long x 7.62 cm OD)
- Six in-line nozzles, positioned in sets of two
 - Loc-Line construction
 - 3.5 inch (8.9 cm) long
 - ½ inch (1.3 cm) ID

CapDryer

The Paxton CapDryer provides complete drying of the bottle neck and lid to improve quality of coding, tamper banding, labeling and vision system results. Adjustable for most bottle types and sizes, the CapDryer is coupled with a Paxton AT-series blower to thoroughly dry the bottle cap and throat within an 18 - 30 inch (467 - 762 mm) footprint.

Specifications:

- > Effectively dries bottles ranging from 8 oz to 3 liters
- > 12 or 24 nozzles providing multi-directional blow off
- > Built-in spray containment
- > Stainless steel construction
- > Integral mounting arm and optional empty bottle blow off included



Uno Nozzle

The Uno nozzle provides targeted airflow for a small target. Designed to replace a single compressed air nozzle remote from a larger air delivery device, the Uno nozzle facilitates further reduction in compressed air usage.

Specifications:

- > Replaces compressed air nozzle
- > 2 inch (5.1 cm) OD inlet
- > ½ inch (1.3 cm) ID outlet, Loc-Line
- > 304 Stainless Steel body



Air Halo

The Air Halo was designed to provide 360 degree drying of materials on a conveyor system. The Air Halo wraps around and attaches to the conveyor with powerful nozzles ideal for irregularly shaped products. The nozzles provide thrust up to 18 inches away, enabling the Air Halo to be used for multiple products on the same line.

Specifications:

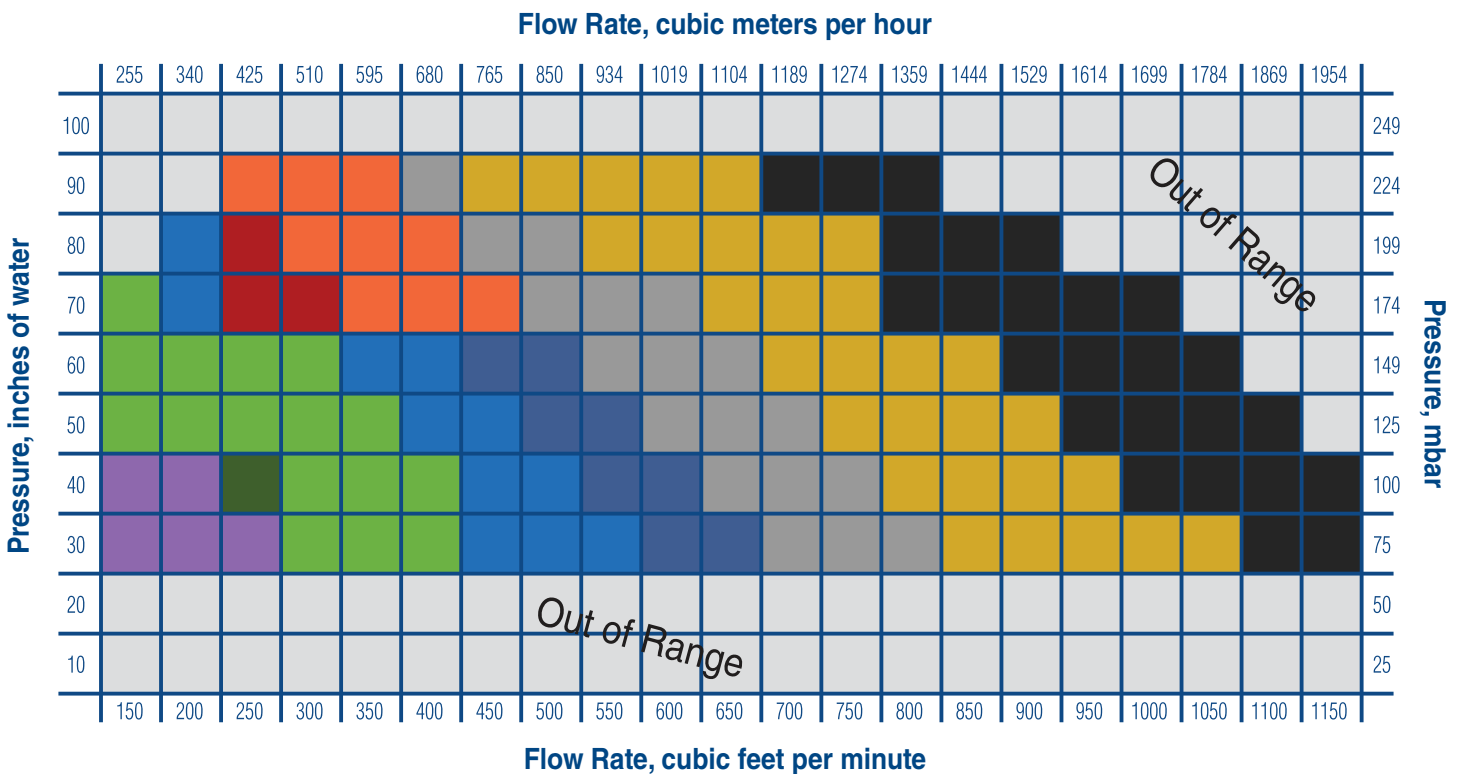
- > Thrust up to 18 inches (450 mm) away from target
- > Custom designed based on product size and conveyor size
- > Powerful 3 inch (76 mm) air manifold
- > 0.5 inch (13 mm) ID nozzles

Paxton Centrifugal Blowers offer highly efficient solutions for process air, drying and vacuum applications. Return on investment is often times about one year. Available in sizes from 3 hp up to 20 hp, Paxton offers two series of belt-driven centrifugal blowers:

- > **XT-series** features an auto-tension belt drive designed to enhance the performance, efficiency and service life of the smaller motors of the XT-300 (3 hp) and XT-500 (5 hp)
- > **AT-series** utilizes an automatic belt tensioner to optimize performance and is available at power levels ranging from 7.5 hp to 20 hp

High Performance Centrifugal Blowers

Blower Selection Chart (60Hz Motors)



- 3hp XT-300
- 5hp XT-500
- 7.5hp AT-700
- 10hp AT-800
- 15hp AT-1200
- 3hp XT-500
- 7hp AT-800
- 10hp AT-700
- 15hp AT-800
- 20hp AT-1200



Specifications		XT-300	XT-500		AT-700		AT-800		AT-1200	
Power, hp	hp	3	3	5	7.5	10	10	15	15	20
	kw	2.2	2.2	4	5.5	7.5	7.5	11	11	15
Maximum Efficiency	%	52	60		59		65		65	
Maximum Output	cfm	300 @ 31" W/C	240 @ 41" W/C	375 @ 50" W/C	450 @ 60" W/C	600 @ 50" W/C	500 @ 80" W/C	700 @ 68" W/C	800 @ 70" W/C	1100 @ 60" W/C
	m ³ /hr	510@ 77mbar	408 @ 102mbar	637 @ 125mbar	765 @ 149mbar	1019 @ 125mbar	850 @ 199mbar	1189 @ 169mbar	1359 @ 174mbar	1869@ 149mbar
Weight	lbs	85	100	116	152	182	188	212	214	274
	kg	39	45	53	69	83	85	96	97	124
Outlet diameter	inches	3	3		3		3		4	
	mm	76	76		76		76		102	

Advanced Belt Design

XT-series

auto-tensioning belts last 3x longer than standard polyester belts with no tensioner to replace

AT-series

neoprene plus Aramid belts last 2x longer than standard polyester belts with automatic tensioning built in





XT-Series Centrifugal Blowers

The XT-series blowers are high efficiency blowers for drying and process air applications of all types. The XT-series is available in 3 hp and 5 hp models. The XT-300 is Paxton's smallest blower and is the foundation of the PowerDry™ System. The XT-series features an auto-tension belt drive designed specifically to enhance the performance, efficiency and service life of the XT-series' smaller motors. And the energy requirements for the XT-series are substantially less than that of a typical centrifugal blower: an XT-500, for example, delivers 20% more flow at the same pressure when compared to a standard 5 hp centrifugal blower.

High Performance Centrifugal Blowers

Low maintenance

- > Patented filter media gives improved performance & longer life
- > Long lasting belts
- > Unique belt tensioning systems

Longer Service Life

- > Blowers are designed to use minimum belt tension for all pulley ratios, extending the life of the blower system

Stringent Quality Control Testing

- > Constructed of the highest quality parts held to the strictest standards, every Paxton blower undergoes comprehensive performance, vibration and noise testing before leaving the factory

Industry-best Blow-off & Drying Systems

- > Unmatched 100% performance guarantee in drying and blow-off applications
- > Wide range of air knives, air manifolds and nozzles to produce an airstream that fits a wide range of products sizes, shapes and line configurations
- > Shears off and atomizes moisture at production speeds of up to 1000 feet per minute (305 meters/minute)

Versatile Application Options

- > Paxton blowers can be configured for drying, vacuum hold down, conveying and more other applications
- > Optional features:
 - Water-cooled bearing housings for process air temperatures up to 325°F (163°C)
 - Wash down capabilities

Custom Designed

- > All Paxton air delivery systems are custom designed, engineered and configured to your specific product

Highly efficient for lower energy costs

- > State of the art impeller design produces more airflow at lower blower speeds
- > Lowest belt tension yielding the highest efficiency belt per hp class
- > Improved belt design gives less friction
 - XT-series: auto-tensioning belt means low bearing loads
 - AT-series: belt contains Aramid to reduces stretch to less than 1%
- > Patented filter design reduces pressure drop and vibration

Highly reliable

- > High load capacity bearing at rated speeds for long bearing life. ABEC 7 Super Precision Angular Contact bearing made in the USA.
- > Stringent balancing, quality control and testing prior to leaving the factory
- > Unmatched 3 year warranty

Quiet Operation

- > Advanced engineering and precision manufacturing reduce vibration & noise.
- > All AT-series and XT-500 blowers are equipped with a silencer cartridge to reduce noise by 3 dBA
- > Sound levels can be further reduced with a blower and/or air delivery device enclosure

Space Saving Design

- > Versatile mounting and outlet positions for tight spaces. All Paxton blowers meet IEC and NEMA standards

Maximum Operating Temperatures

°F °C

Ambient Operating Temp.	105	41
Intake Air Temp.		
Standard configuration	120	49
With liquid cooled bearing carrier	325	163



AT-Series Centrifugal Blowers

The AT-series blowers offer highly efficient solutions for process air, drying or vacuum applications. A high efficiency impeller generates more airflow to deliver performance at up to 20% lower speeds, producing less internal heat, noise, vibration and less power consumption. The AT-series belt and tensioner design ensures peak performance, with low stretch, high grip and flexibility, to extend belt life and minimizing downtime. Every AT-series blower comes with a patented filter silencer to further reduce vibration and improve performance.

Available at power ratings ranging from 7.5 hp to 20 hp, there is an AT-series blower for any industrial application.

The Ionized Air System sets the standard for a new generation of air rinsing, dissipating the static charges that cause dirt, dust and contaminants to adhere to surfaces while dramatically reducing energy usage and eliminating water usage. Cleaning performance is maximized and environmental impact is minimized.

- Successfully qualified under all common test media: styrodot, cardboard dust, various debris
- 40 - 80% lower energy usage than compressed air ionizers
- No water needed, no water disposal issues
- Custom-engineered for bottle or can or other containers and surfaces

Ionized Air System

The Ionized Air System by Paxton Products efficiently removes particulates, dust and contaminants using powerful ionization coupled with Paxton's industry-leading centrifugal blowers and air delivery systems. Paxton's patent pending design increases performance while reducing maintenance, and if eliminating ionized compressed air systems, reduces energy usage by as much as 80%.

- Prevent particulates and dust from adhering to inside or outside of container walls
- Effect a surface free of dirt, dust and particles to improve the surface finish



Replace Water Rinsing

The Ionized Air System effectively rinses bottles, cans and other surfaces using high velocity ionized air. No water needed!

Paxton's high efficiency system means low energy costs. When water costs, filtration and disposal are considered, a new Paxton system yields a return on investment of less than one year.

Replace Compressed Air Rinsing

When you need to reduce compressed air usage without sacrificing product quality, the Ionized Air System excels, while using 40 – 80% less energy.

High velocity air coupled with powerful ionization ensures optimal cleaning and rinsing performance; and the risk of water & oil contamination caused by compressed air is eliminated.



Each Ionized Air System includes the following:

Ionizing Air Delivery Devices with Power Supply

- Bottle Rinsing system: 64" Air Delivery Device
- Can Rinsing system: 30" Air Manifold
- Custom Lengths beginning at 12" (30 cm) for other surfaces

AT- or XT-series high efficiency Paxton blower

- Sized to fit, from 3 hp - 20 hp. Includes a three year warranty

Washdown enclosure

- Protects the blower while reducing noise

Inlet and Outlet Filtration

- Nano-filtration for air entering and exiting the blower
- HEPA outlet filtration also available

Variable Frequency Drive (optional)

Custom Vacuum System (optional)

Features

- 304 stainless steel air delivery devices and mounting hardware withstand washdown environments
- Inlet and Outlet filtration
- Air Delivery Devices are available in lengths from 12" to 10' (0.3 - 3 m)
- More active emitter points give increased ionization performance
- Emitter points are contained within the manifold or knife to promote durability, safety and a consistently clean ionizing bar
- System includes a Paxton AT- or XT-series high efficiency centrifugal blower, backed by a full three year warranty
- Turnkey systems for bottle rinsing and can rinsing
 - Line speeds to 800 bpm and 650 cpm



PowerDry System

Originally designed for date coding applications, the patented PowerDry™ System sets the standard for a complete drying & blow off Air System that can be used for drying and blow off for a wide variety of cans, bottles and jars.

- Pays for itself in energy savings in about a year
- Eliminates moisture related packaging, labeling and coding issues
- Adjusts to reach under lids, caps and crevices

Benefits

- Provides consistently dry surface suitable for date coding
- Saves up to 80% of total energy consumption, as compared to compressed air systems
- Return on investment is often less than one year
- Delivers moisture & debris removal for the tops & sides of bottles & cans
- Eliminates contamination due to oils, moisture & scale that may be present in compressed air
- Adjusts easily for quick product & container size changes
- Speeds conveyor lines up to 50% while reducing loss rates
- Adapts to any conveyor with line speeds up to 500 cans or bottles per minute
- Eliminates water spots and other moisture-related issues
- Offers washdown capabilities



The PowerDry System is a pre-configured air system that includes:



XT-300 Blower

3hp blower delivers accurate, consistent air volume & velocity



Polypropylene Blower Enclosure

Rugged enclosure for washdown capability and noise abatement

Mounting Arm

304 stainless steel



Air Manifold

The Air Manifold is available in both Inline and Spyder configurations, stainless steel or polypropylene

Inline Manifold

Six nozzles that focus air on the upper surface of the product



Spyder Manifold

Four flexible "spyder" arms are added to the Inline manifold. The spyder arms direct air to achieve blow off and drying of tops, sides and under the rim.



Blower Enclosures

Blower enclosures protect the blower from water, dirt and other environmental factors, and during wash down processes, while reducing noise level significantly. Blower installation is simplified, and maintenance facilitated by easy access doors on two sides.

- Protect in harsh, corrosive and wet environments
- Significant sound abatement
- Simplify blower installation
- Easy to maintain
- Maintain lower blower temperature for optimum performance

Features:

- Strong, polypropylene enclosure withstands harsh, wet environments
- Oversized clear Lexan access doors for easy servicing
- No crevices to hold moisture
- Designed for movement and placement by fork lift
- Blower pre-mounted in enclosure for easy installation
- Swivel style (adjustable) leveling feet with anchoring holes
- Half turn, fast-lock access door fasteners
- Quick change, removable, reusable mesh pre-filters
- O-ring sealed sanitary discharge pipe, 3 or 4 inches
- Durable 304 stainless steel base



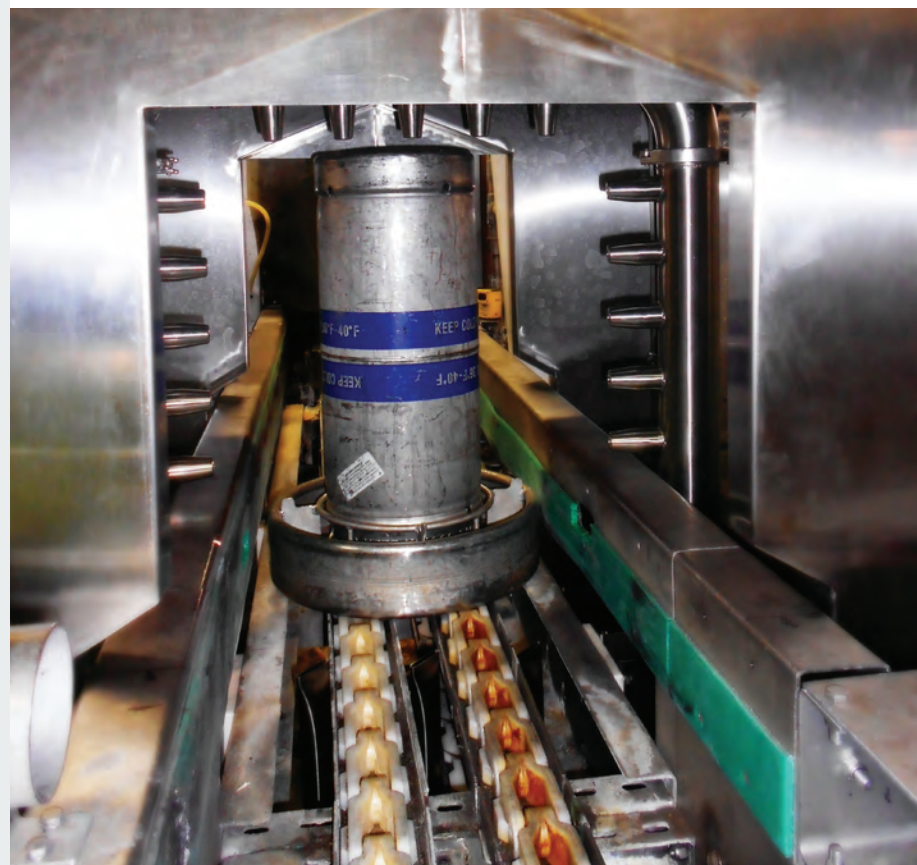
Enclosure Type & Dimensions	AT-Series Enclosure			
	Low Profile Base Enclosure, AT Series	Small Footprint Enclosure	PowerDry Enclosure	AT-Series Enclosure
23.5" x 20.5" x 27.7" (597 x 521 x 701 mm)				
22" x 26" x 48" (559 x 660 x 1219 mm)				
42" x 35" x 48" (1067 x 889 x 1219 mm)				
42" x 35" x 28" (1067 x 889 x 711 mm)				
XT-300	●			
XT-500		●		
AT-700		●	●	●
AT-800			●	●
AT-1200			●	●
Polypropylene Cabinet	●	●	●	●
Top discharge			●	●
Bottom discharge	●		●	●
Side discharge		●		
3 inch discharge	●	●	●	●
4 inch discharge			●	●
Clear access doors (2)		●	●	●
Positive seal, fast lock fasteners	●	●	●	●
Full weld construction base, 304 stainless steel	●	●	●	●
Washable expanded aluminum mesh pre-filter			●	●

Air Delivery Device Enclosures

Enclosures, made of 304 stainless steel, provide water, air and sound containment in your drying process. These enclosures keep the water contained inside the enclosure, then drained, eliminating mess on your factory floor – and eliminating any safety issues due to wet, slippery floors. Enclosures are custom designed for each application, ensuring maximum effectiveness. The unit is fitted to the individual line needs, and can be configured for all types of conveyor systems.

All Paxton enclosures are designed:

- For ease of maintenance and durability: full TIG weld construction to eliminate area for bacterial growth
- Easy to get into and out of with removable French-style doors to give full access, even in tight spaces
- Water from blow off easily collects and drains, keeping product and floors dry
 - Sloped roof for drainage
 - No drip product entry and exit system
- Stainless steel doors with Lexan viewing windows
- Minimal usage of fasteners, instead using welded connections
- Minimal use of gasketed joints reduces maintenance needs
- Durable 304 stainless steel to facilitate washdown
- Swivel-style leveling feet with anchoring holes



Accessories

Maintenance Accessories:

Use genuine Paxton parts to extend service life and preserve your blower warranty.

Filters



Belts



Blower Heads



Tensioner



- **Filters:** Paxton inlet filters employ Enduralast™ technology that traps more particulates and stand up in harsh environments, field tested to last 50% longer than other filters. Available in 1 and 10 micron sizes. Paxton can also provide outlet filtration meeting Nano or HEPA standards.
- **Belts:** Paxton belts are designed to reduce bearing loads, lengthening blower head life.
 - XT-series belts are auto-tensioning, requiring no mechanical tensioner
 - AT-series belts are reinforced with Aramid cord to give strength and reduce stretch to less than 1%
- **Tensioner:** Two-bearing design reduces vibration for long life and smooth operation. Tensioner is designed to provide years of reliable service; the spring should be replaced annually to maintain tension for optimum belt life and blower performance.
- **Blower Heads:** Paxton replacement blower heads come with an industry best 3 year warranty. Replacement blower heads are fully tested and must pass stringent quality testing for balancing and vibration, ensuring the highest reliability.

Installation Accessories:

Paxton Products offers a full line of piping accessories, specifically designed to reduce pressure drop between the blower and the target.

- **Zero Loss Adapter:** *Couplings and Reducers* for transitioning from Schedule 40 PVC to hose
- **Stainless Steel Reducer:** For transitioning from *Hose to Hose* OR from *Hose to Air Delivery Device*
- **Connector Sleeve:** Reinforced rubber with clamps for transitioning from pipe to pipe: 2, 3, and 4 inch
- **Stainless Steel Elbows:** Low sweep elbow: 3 inch and 4 inch
- **Flexible Hose:** Black acrylic-coated polyester with steel wire reinforcement: 3 inch x 10 feet
- **Dividers:** High density polyethylene construction: 2 way, 3 way and 4 way
- **Flow Control Valves:** Regulate air flow and pressure to optimize performance: 3 inch and 4 inch OD

Connector Sleeves



Flow Control Valves



Stainless Steel Reducers



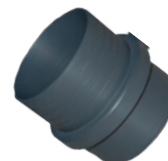
Stainless Steel Elbows



Dividers



Zero Loss Adapters





Energy Savings

Paxton air systems lower energy costs by as much as 80% through reduced compressed air usage in bottling, canning and other packaging operations.

- Pays for itself in energy savings in about a year
- Removes debris and moisture effectively with high velocity air flows
- Eliminates contamination from oils and scale by eliminating compressed air

Example Of Energy Savings

Compressed Air Drying System:

- 3 fan nozzles
- 75 cfm @ 80 psi
- energy usage* = \$9,893 per year

Paxton Drying System:

- 3hp centrifugal blower with 10 nozzles
- 300 cfm @ 1 psi
- Energy usage = \$1,063 per year

Total energy savings = \$8,830 per year

*Assumes an energy cost of 7.0 cents/kWh and 24 x 7 operation.

Using Compressed Air?

80-90% of the energy used with compressed air is used to compress, and transport and expand the air to the site where it is needed. If you are drying your air before compression, even more energy is wasted. With Paxton blowers, all the energy is used in drying and blow off.

Using other blowers?

Heat generated by a blower is wasted. Paxton blowers operate 20°F (11°C) cooler than other blowers and use about 50% less energy.

Paxton centrifugal blowers deliver a higher volume of air per kW of energy to dry and blow off faster and more efficiently.

Paxton Products custom design air delivery devices for your specific application so the right volume of air is directed when and where you need it. Whether drying the tops, the sides, or the entire product, we have Paxton air delivery devices to hit your target.

Our Industry Leading 3-Year Warranty

Paxton Products ("Paxton"), guarantees its standard XT-Series and AT-Series blowers, including the XT-300 PowerDry blower, against defects in the materials and workmanship for the 3-year Warranty Program period in accordance with the terms herein. The product must be installed and operated in accordance with the manufacturing specifications and the installation & maintenance instructions provided by Paxton using Paxton-provided replacement filters, belts and idler assemblies ("Maintenance Accessories") for the warranty to apply. Proof of purchase of Paxton Maintenance Accessories at the prescribed frequency is required. Motors are warranted through Paxton under the terms provided by the respective motor manufacturer's warranty only.



3-Year Full Warranty Program for Paxton XT- and AT-Series Centrifugal Blowers, including PowerDry

Contact us for complete warranty information or any other information you might need.



Paxton Products / ITW Air Management

10125 Carver Road • Cincinnati, OH 45242

U.S. & Canada: **800-959-8884**

Worldwide: **513-891-7474**

FAX: **513.891.4092**

E-mail: **sales@paxtonproducts.com**

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