



Reduce Compressed Air. Reduce Energy Costs.

The PowerDry™ System replaces costly compressed air blow offs for Date Coding and other Bottling & Canning Operations.

The PowerDry™ System by Paxton Products lowers 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



The PowerDry™ System often pays for itself in energy savings in less than 12 months, depending on your annual operating hours.



Guaranteed Clean and Dry

- Highest quality Ink Jet Coding & Labeling
- 270 deg Drying
- Adjustable for varying sizes

Three Year Warranty
100% Performance Guarantee



The PowerDry™ System sets the standard for complete custom-designed blow-off cleaning and drying systems. This affordable system uses significantly less energy than a compressed air system (or thermal processes) while outperforming them in every possible way.

- Paxton **XT-300** centrifugal blower continuously delivers accurate and pre-set air volume and velocity for flawless performance in ink jet coding, labeling and every application.
- **Clean, dry, oil-free** air is channeled through the **Air Manifold** to deliver high volume, low pressure air at higher velocities than any comparable system.
- Choose between an **inline 6-nozzle** manifold or our **unique Spyder manifold** that adds 4 flexible arms to the 6 inline nozzles for maximum versatility to clean and dry those hard-to-reach problem areas.



Configuration Options:

- Inline nozzles (6) target the tops of cans, jars and other products
- Spyder manifold has six inline plus four flexible, adjustable nozzles that bend and reach under and around
 - o under the crown
 - o under the rim
 - o varying product and package sizes



In a typical processing facility, one or two of these on a line can cost over \$4000 in annual compressed air energy cost!

The PowerDry™ system was specifically developed as an affordable, quick-to-install alternative to many compressed air nozzles, jets, pipe manifolds, and other common devices.

- Saves up to **80%** of total energy consumption — return on investment often is less than a year
- Speeds conveyor lines up to **50%** while reducing loss rates
- Eliminates problem areas under lids, caps, crevices and other problem areas with four flexible arms with the Spyder Manifold
- Eliminates contamination from oils and debris (from compressed air)
- Adjusts easily for quick product and container size line changes

The PowerDry™ System's high velocity airflow shears off moisture on bottles, cans, jars or other containers, giving a clean, dry surface for quality coding and eliminating moisture-related packaging issues.



Inline






Spyder

HOW MUCH IS COMPRESSED AIR COSTING YOU?

If you need to lower your energy costs by reducing compressed air usage, look first at those common blow-off devices on your process and packaging lines.

They're simple, quick to install, require essentially no maintenance, and they could be costing you a bundle! Maybe you are using a pipe manifold to dry plastic crates, or a cluster of three disc nozzles to remove moisture on cans before date coding. Perhaps, a couple of comb nozzles are helping to remove debris from a crevice in a cast part. Whatever the application, these types of compressed air devices, on a continuously running production or processing line, make a significant contribution to annual energy costs.

	Multiply the Dollar Figure by Each One of These Being Used		Typical Air Consumption		Energy Cost Per Nozzle Annual Hours of Operation	
	psig	cfm	2000	8000		
Comb or Fan Nozzle 	40	14.4	\$415	\$1,659		
	60	19.6	\$564	\$2,258		
	80	25.3	\$729	\$2,915		
12" Wand Manifold 	40	34	\$979	\$3,917		
	60	46	\$1,325	\$5,299		
	80	58	\$1,670	\$6,682		
Pipe with Air Jets 	40	48	\$1,382	\$5,530		
	60	65	\$1,872	\$7,488		
	80	83	\$2,390	\$9,562		
Power Dry Inline System	1.5	165	\$192	\$768		
Power Dry Spyder System	1	300	\$264	\$1,056		

Energy cost figures above are based on an average electricity rate of \$.07 per kilowatt hour / \$.022 per 1000 cu. ft. with 85% compressor efficiency.

The PowerDry™ system was specifically developed as an energy saving alternative to compressed air. It's a complete, ready-to-use unit that efficiently delivers substantial air power to often replace several blow-off devices for big savings.

We'll help you estimate your compressed air cost and the return on investment with a PowerDry™ system. Please contact our technical service staff at 1-800-441-7475 or sales@paxtonproducts.com for more information and assistance.

Material of Construction Options:

The inline nozzle manifold and the Spyder manifold are standard with polypropylene construction with a stainless steel mounting bracket. Both manifolds are also available in stainless steel. Nozzles are standard Loc Line for all systems.

Features:

- Rugged polypropylene enclosure for washdown capability and noise abatement
- Adapts to any conveyor or line speed up to 500 - 600 cans per minute
- Adjustable air delivery mounting
- Compact size. Fits under many conveyors
- Low maintenance

The PowerDry™ System is quick to install and replaces most compressed air nozzles, jets, pipe manifolds and orifices.

Every Paxton
PowerDry™ System
is backed by Paxton's
100% Performance
Guarantee and
Best in Class,
Three Year Warranty.



ITW Air Management

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**Paxton Products...leading the science of
high performance drying.**

Call +1 800-441-7475 (U.S. & Canada)
or +1 513-891-7474 (Worldwide)

Or get an online "Quick-Quote" at
paxtonproducts.com



Model No.

Description

8006002	Paxton PowerDry™ System with Inline Nozzles (6)
8006012	Paxton PowerDry™ System with Spyder
8006105	Autotension/Self Tensioning Belt
8006108-2	Replacement Filter Elements (2), 10 micron

Specifications

Blower:

Paxton XT-300 centrifugal blower, 208-230 V or 460V, 3 phase (3 Hp/2.2 kW)

Air Manifold:

UHMW Polyethylene, with 304 stainless steel mounting bracket. Manifold is also available in 304 SS (29.5" long x 3" diameter/75 cm long x 7.6 cm diameter)

Enclosure:

White polypropylene, stainless steel base and hardware

Air Nozzles:

Inline System includes six inline nozzles (1/2" diameter/1.3 cm diameter)
Spyder System includes four flare tip nozzles plus six inline nozzles (2.5" flare tips/6.35 cm flare tips)

Hoses:

Black flexible. Supplied with stainless steel clamps (8 feet long x 3" diameter/2.44 meters long x 7.6 cm diameter)

Weight:

(150 lbs/68 kg)

