



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

Reduce Compressed Air. Reduce Energy Costs.

The patented PowerDry System replaces costly compressed air blow offs for date coding and other bottling and 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

**Guaranteed
Clean and Dry**

**Highest Quality Ink Jet
Coding and Labeling**

270° Drying

**Adjustable for
Varying Sizes**





The PowerDry System sets the standard for complete 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 PX-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.



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.

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

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
 - under the crown
 - under the rim
 - 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!

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 target moisture under the rim. 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.

		TYPICAL AIR CONSUMPTION		ENERGY COST PER NOZZLE ANNUAL HOURS OF OPERATION	
		psig	cfm	2000	8000
		MULTIPLY THE DOLLAR FIGURE BY EACH ONE OF THESE BEING USED			
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 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
- 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 Best in Class, Three Year Warranty.



PAXTON
PRODUCTS

TW Air Management

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

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or +1 513-891-7474 (Worldwide)

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

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Specifications

BLOWER

Paxton PX-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 and 2.5" flare tips / 6.35 cm flare tips)

Spyder System includes four Spyder arm 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)

