

Cold + Dry = Static Problems

One thing is certain. When the temperature outside drops and humidity plummets, static electricity problems are sure to make bad things happen. A static discharge can be painful, not only to those who get zapped but for those who have to deal with the associated production headaches. You can expect paper and plastics to jam up in the machinery, webs and films to cling to themselves, electronic sensors to fail and make misreads as well as dust attraction to ruin surface finishes.



The Super Ion Air Knife eliminates jamming and assures crisp, clear printing of addresses on this ink jet machine.

EXAIR manufactures a complete line of static eliminators to remedy these problems. For applications involving high speeds or large surfaces, it is best to use the **Super Ion Air Knife** (shown above) with its laminar airflow. This product provides the best performance of all ionizers and is effective up to 20 feet away. Other styles include the Ion Air Cannon, Ion Air Gun, and Ion Air Jet. All use our engineered airflow products to minimize air use and noise while delivering maximum results by moving more static eliminating ions to the product surface.

We understand there are applications where airflow might disturb the product. EXAIR's **Ionizing Bars and Ionizing Point** don't require airflow and can neutralize the charge when mounted within a couple of inches of the surface.

Do you have a static problem and not sure how to go about tackling it? Our Application Engineers would be glad to help. You can contact them at 1-800-903-9247 or by e-mail at techhelp@exair.com.

EXAIR Wins "Product Of The Year"



Plant Engineering Magazine has just informed EXAIR that our Super Air Nozzle is a "Product Of The Year" award winner! There were 46 products in the compressed air category that were reduced to ten by a panel of technical experts, with the final voting by the recipients of the magazine. Thanks to all of you who voted for our nozzle.

The Super Air Nozzle is the most efficient air nozzle available, providing high force and low noise while using a small amount of compressed air. It can be used independently or with our Stay Set Hoses and Safety Air Guns. For applications where extremely strong blowing force is required, EXAIR manufactures Super Air Nozzle Clusters and Super Blast Air Guns™.



The Super Air Nozzle is the most efficient air nozzle, providing high force, a quiet 74 dBA noise level and low air consumption.

Payback of the Super Air Nozzle, filtration and installation is often measured in weeks - not years as with other cost reduction equipment. Request a FREE copy of our new Catalog 19 or speak with an Application Engineer at 800-903-9247 (techhelp@exair.com) if you'd like to know more.



Catalog 19 and Price List FREE!

EXAIR's new 112 page 20th Anniversary Catalog includes many new products, expanded technical data, application photos and more. Now, you'll find airflow patterns for all air moving products! Drop the enclosed postage-paid card in the mail or go to www.exair.com/catalog.htm now to request your FREE copy.

Application Spotlight: Vacuuming Fluorescent Lamp Caps



The Problem:

A fluorescent lamp manufacturer had a problem pulling reject metal caps from their production line. As part of the process, the company inserts an adhesive into the metal caps prior to attaching them to the glass tube. An inspector positioned on one side of the eight lane conveyor visually inspected the caps for imperfections and bad adhesive coverage. Unfortunately, the caps were moving quickly and over such a span that the inspector couldn't reach all of the defective caps and some passed through. A second inspector was positioned on the other side of the conveyor.

The Solution:

The manufacturer installed (2) Model 6083 1-1/2" (38mm) Line Vacs above the conveyor on a slide mechanism. The company typically ran two lines at once where the operator could move the two Line Vacs into position over those lanes and simply push a button to vacuum any defects to a reject hopper. **Rejects were completely eliminated as was the additional inspector.**

Editor's Comment:

The addition of the Line Vacs and a few associated parts like the solenoid valve and switch was a very low cost solution to this problem. **The Line Vac provides instantaneous response and moves materials quickly.** In this case, the Line Vac provides precise control, only vacuuming the defective caps. Typical electric vacs would have never provided such "instant on" vacuum control and would vacuum some good caps along with the rejects.

The **EXAIR** Guarantee

EXAIR unconditionally guarantees its cataloged products for 30 days. If you are not satisfied for any reason within that time, you may return the product for full credit with no restocking charge. Of course, this is in addition to our "Built To Last" Warranty.

Special Offers On Our Web Site



Would you like to receive our on-line special offers or be the first to know of new developments? Go to www.exair.com and give us your e-mail address. We'll keep you informed of any special offers as well as giving you updates on new and existing products.

Application Checklist

EXAIR products solve many common problems. Here are a few that you might recognize. Please call our Application Engineers at **1-800-903-9247** or contact them at techhelp@exair.com for help with yours.

-  A pharmaceutical company making tablets uses the **Model 5215 Cold Gun System** to keep a punch die cool, eliminating heat buildup that once caused the medicinal powder to stick to the die.
-  A manufacturer of integrated circuit chips uses the **Model 120020 3/4" (19mm) Super Air Amplifier** to inflate bags on their chip bagging machine prior to inserting the component.
-  A produce plant uses the **Model 11006SS 6" (15cm) Stainless Steel Super Air Knife** to blowoff dead leaves and skins from onions prior to bagging.
-  A manufacturer of automotive shock absorbers uses the **Model 2402 2" (51mm) Super Air Wipe** to blow excess oil from various lengths of tubing as it exits an oil dip tank.
-  A coffee company uses the **Model 6064 2" (51mm) Stainless Steel Line Vac** to transport coffee from the grinder to the filling machine located 25' away. This eliminated a slow "scoop-walk-empty" operation.

Super Air Wipe

Clamps around a surface
to provide a 360° airstream!



The Super Air Wipe™ is ideal for blowoff, drying, cleaning and cooling of pipe, cable, extruded shapes and hose. The 360° airstream adheres to the surface of the product passing through it. The split design makes it easy to clamp around the surface. Many sizes are available. Applications include drying of inks, paint and silk screen printing; cooling hot extruded shapes; blowoff of water, dust, plating, coatings and contaminants.

For more information, see Catalog 19 or contact an Application Engineer at **1-800-903-9247**.