

## STOP BLOWING MONEY!



It's a worldwide problem that can't be fixed with a bandage, a piece of chewing gum or duct tape. The economic recession has companies tightening their belts, looking for ways to significantly reduce costs. Compressed air leaks and inefficient blowoffs can be wasting thousands of dollars of electricity. Some simple upgrades and repairs to your compressed air system will cut your company's electric bill, make your system more effective, and limit compressed air use.

EXAIR has products to help you optimize your compressed air system. The **Ultrasonic Leak Detector** can identify costly leaks – often paying for itself when the first leak is located and repaired. The **EFC™ Electronic Flow Control** turns off the compressed

### Six Steps To Optimizing Your Compressed Air System

1. Measure the air consumption to find sources that use a lot of compressed air.
2. Find and fix the leaks in your compressed air system.
3. Upgrade your blowoff, cooling and drying operations using engineered compressed air products.
4. Turn off the compressed air when it isn't in use.
5. Use intermediate storage of compressed air near the point of use.
6. Control the air pressure at the point of use to minimize air consumption.

air used for blowoff when no part is present. **Digital Flowmeters** measure compressed air usage and monitor waste. EXAIR's **Receiver Tank** can be

installed at the point of high demand so additional compressed air is available for a short duration. **Pressure Regulators** permit easy selection of an operating pressure that will allow the air product to work properly without using excessive amounts of compressed air.

It is most important to use the compressed air responsibly. You will want to look at upgrading your blowoffs. EXAIR's efficient, award winning **Super Air Nozzles**, **Super Air Knives** and **Super Air Amplifiers** effectively entrain large volumes of room air using only a small part of compressed air as the power source.

EXAIR's staff of Application Engineers are available to help with your optimizing projects. They can be reached at (800) 903-9247 or [techelp@exair.com](mailto:techelp@exair.com).

## Eliminate Static Problems

Cold weather is here and with it are the static electricity problems associated with the frigid, low humidity days. It's all too common that processes and machinery that have operated without a problem are now experiencing jams, tears, painful shocks and dust attraction.



The Super Ion Air Wipe eliminates static and debris on continuously moving surfaces.

EXAIR manufactures a complete line of static eliminators for a wide variety of industrial processes. Each of them use a 5kV power supply to generate an abundance of negative and positive ions. When a surface becomes charged, it will take the number of positive and negative ions from the static eliminator (called an ionizer) to become balanced. The Super Ion Air Knife, Ion Air Cannon, Ion Air Gun, and Ion Air Jets use a small amount of air to pull in large volumes of room air that moves the ions to hard to reach spaces, across large areas, or in high speed applications.

## FREE AC Sensor

Order a static eliminator by March 31, 2009, and we'll include a **FREE AC Sensor** that lights up and beeps when voltage is detected. Visit [www.exair.com/05/sepromo.htm](http://www.exair.com/05/sepromo.htm) for details.



Please see other side

## Application Spotlight

### Eliminating Rolling Mill Fog

Before



After



#### The Problem:

When cold rolled steel is made, the steel goes through a series of powerful rollers that compress it to a specific width and thickness. The steel heats up as it is reduced and work hardens. A thin layer of oil is applied to the surface to prevent oxidation and rust. The oil on the hot steel vaporizes as the steel moves back and forth through the rollers. This created a dense fog, making it impossible for the operator to visually inspect the steel. Attempts at blowing air across the width using open pipes had little effect at eliminating the fog. The open ended pipes consumed an enormous amount of air and were dangerous since they could potentially be dead ended (an OSHA violation).

#### The Solution:

They installed (2) Model 1106 Stainless Steel Super Air Nozzles with Model 9069 Swivel Fittings (to aim them) that blew the fog across the width. The nozzles completely cleared the fog from the area, permitting the operator to see the steel. Safe operation was no longer an issue.

#### Editor's Comment:

The simple installation of two Super Air Nozzles made all the difference. The fog disappeared and the operators commented how there was a significant drop in noise levels despite the high background noise in the plant. Air consumption dropped substantially when each open pipe that consumed 195 SCFM was reduced to only 60 SCFM when the nozzles were installed. Super Air Nozzles, that are suited to a large number of blowoff, drying and cooling applications, are available in a many sizes and produce up to 15 lbs of force!

Visit [www.exair.com/105san.htm](http://www.exair.com/105san.htm) to know more.

## 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.



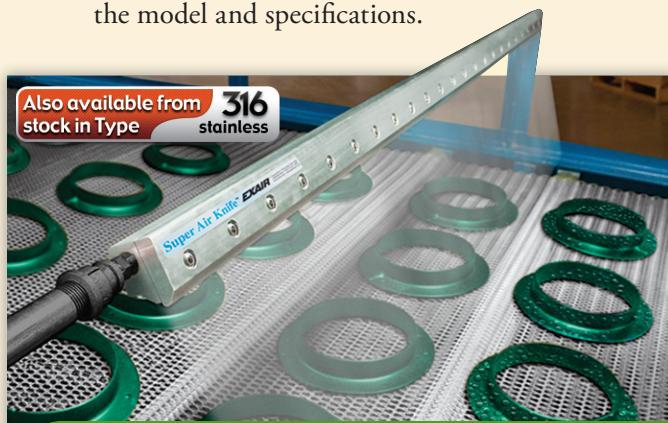
### Request Your FREE Catalog

Want to know more about other EXAIR products? We've added over 400 new items! Simply return the postage-paid card for your FREE copy of our Catalog 22 or visit [www.exair.com](http://www.exair.com).

### New Application Checklist

EXAIR products solve a variety of industrial problems. Please call our Application Engineers at 1-800-903-9247 or email them at [techelp@exair.com](mailto:techelp@exair.com) for assistance with yours.

- A confectionary uses the new **Model 800003 E-Vac Vacuum Generator** with a bellows cup to hold apples for the caramel dipping process.
- The manufacturer of a three axis micro milling machine installed a **Model 130075 3/4" (19mm) Light Duty Line Vac** to capture the cut chips and move them into a bulk container, eliminating the need to regularly shut down the machine for cleaning.
- A bottling plant uses (2) **Model 110009SS 9" (229mm) Stainless Steel Super Air Knives**, one mounted on each side of the conveyor, to dry the bottles after rinsing so the labels will adhere.
- A manufacturer of cross linked polyethylene tubing dries the tubing with a **Model 2402 2" (51mm) Super Air Wipe** prior to ink jetting the model and specifications.



## Low Cost Super Air Knife

- » No moving parts to wear out
- » Surprisingly quiet - only 69 dBA at 80 PSIG
- » Special Lengths Available
- » 40:1 Air Amplification
- » Uniform Airflow across entire length.

**EXAIR®**

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The Super Air Knife™ provides a uniform sheet of laminar airflow with hard-hitting force for drying, blowoff and cooling applications. Compressed air consumption is 1/3 that of typical blowoffs. Energy use is comparable to a blower without the costly maintenance or downtime.

Call now (800) 903-9247



To learn more go to:  
[www.exair.com/05/sak.htm](http://www.exair.com/05/sak.htm)