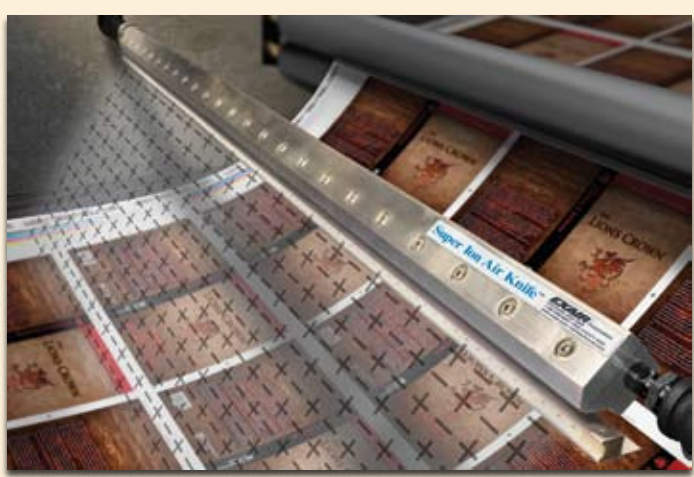


## Eliminate Static Electricity Problems

It's likely you've seen this before. Someone walks across the carpet, touches the doorknob and is startled by a painful static electricity shock. Or, someone pulls off a knit cap only to have their hair stand on end. Both demonstrate what happens when a static charge builds up and are the subtle reminders that the cold, dry days of winter are here. Feeds and speeds often generate static year round but not enough to be a problem. The simple lack of moisture in the winter air lets the surface charge build up and cause:

- Materials to jam or tear
- Dust attraction to a surface
- Electronic sensors to misread



*The 48" Super Ion Air Knife neutralizes the static charge and cleans the surface of the paper.*

EXAIR manufactures a complete line of static control products. The Super Ion Air Knife (shown above) is one of the most popular that is available in many lengths and floods a surface with static eliminating ions. Other styles include the Ion Air Gun for hand-held ionizing blowoff, Ion Air Cannon for a focused, conical ionized airstream, and Ion Air Jet that is an effective spot cleaner. For situations where airflow would disturb the product, EXAIR manufactures shockless Ionizing Bars in lengths up to 10' (3m) and an Ionizing Point for spot neutralization. All are UL Component Recognized to assure safe operation. Two and four outlet power supplies are available.

Do you have a static electricity problem? Contact us at 1-800-903-9247 or by e-mail at [techhelp@exair.com](mailto:techhelp@exair.com).

**FREE AC Sensor**  
Order a static eliminator by March 31, 2008, and we'll include a **FREE AC Sensor** that lights up and beeps when voltage is detected.  
Visit [www.exair.com/static.htm](http://www.exair.com/static.htm) for details.

**\$46 Value**

## A Safety Air Gun That Is Built to Last

You've heard the old saying, "You get what you pay for"? That statement holds true for folks who purchase inexpensive air guns. Distributors and home centers sell the "cheapies" for around \$10. They're not made for rigorous, regular use in an industrial environment. Consequently, their trigger valves break quickly. Most of them have inefficient nozzles on the end that use a lot of compressed air. Worse yet are the dead ended pressures and high noise levels that are sure be of interest to an OSHA inspector.



*EXAIR's Heavy Duty Safety Air Gun blows paper dust off a web press.*

EXAIR's Heavy Duty Safety Air Gun is a powerful air gun that delivers high force and is made for use in rugged, industrial environments. The composite rubber grip and curved trigger makes it comfortable for hours of use without fatigue. Aluminum extension pipes are available for those hard to reach places.

Need a lot of force? The Heavy Duty Safety Air Gun is available with a variety of air nozzles including EXAIR's new Model HP1125 2" High Power Super Air Nozzle. It produces 2.5 lbs. of force – more than three times the force of



**NEW HIGH POWER!**

*The 2" High Power Super Air Nozzle has over 3X the force of ordinary nozzles.*

If you'd like to know more about the Heavy Duty Safety Air Gun and the models that are available, visit our web site at [www.exair.com/hdsag.htm](http://www.exair.com/hdsag.htm). They're available from stock and built to last.

## Application Spotlight:

### Blowing Chips From Machined Transmissions



#### The Problem:

A manufacturer of automotive transmissions had a problem eliminating the chips and coolant that were left behind after machining the castings. There were numerous blind holes, recesses and grooves that made it next to impossible to get them completely clean. Any chips or shavings left behind meant certain failure of the transmission. Attempts at using several air nozzles to blow the chips away proved unsuccessful on this automated process.



#### The Solution:

They installed a series of EXAIR Model 120022 2" (51mm) Super Air Amplifiers along with numerous Model 1122 2" Super Air Nozzles. This blowoff arrangement was placed directly above the transmission housing as it exited the machining center. Each Super Air Amplifier and 2" Super Air Nozzle was carefully aimed to blow the chips and coolant from those hard to reach spaces. The transmission housings were completely cleaned.

#### Editor's Comment:

This is one of those examples where one type of air nozzle couldn't do it all. The Super Air Amplifiers with the focused, high velocity airstream was ideal for blowing off the relatively flat surfaces. The inlets were ducted to provide clean air to the transmission housing surface. The 2" Super Air Nozzles applied more directed force to clean the blind holes, chips and grooved areas. When it comes to a variety of air patterns, force and flow while keeping air consumption and noise level low, EXAIR has what you need.

### 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

EXAIR's Catalog 21 is a 128 page technical guide that offers solutions to common blowoff, drying, cooling, conveying, housekeeping and static electricity problems. Mail the postage-paid card to receive your FREE copy.



### ✓ New Application Checklist

EXAIR products solve many common problems. Here are a few of the recent ones. Please call our Application Engineers at 1-800-903-9247 for help with yours.

- ✓ Following a grinding operation, a manufacturer of flashlights blows coolant off the body using a **Model 2403 3" (76mm) Super Air Wipe** as it exits the grinder.
- ✓ A manufacturer of cameras uses the **Model 6066 3" (76mm) Stainless Steel Line Vac** to transport a thin sliver of aluminum from a chopper to a recycle bin.
- ✓ To keep a web of paper from falling into an unwanted position between rollers in their dryer, a paper products company mounted (4) **Model 110042 42" (1067mm) Super Air Knives** and (1) **Model 110036 36" (914mm) Super Air Knife** to float the 204" wide web of paper over the roller gap.
- ✓ The plastic tube of shotgun shells are skived to remove enough material in order to roll the end over. The manufacturer uses a **Model 5230 High Power Cold Gun** to keep the plastic tube cool, which maintains the proper tolerances.



### Low Cost Super Air Knife

- » No moving parts to wear out
- » Surprisingly quiet - only 69 dBA at 80 PSIG
- » Instant "on" or "off" with infinite velocity control
- » Stock lengths in aluminum or stainless steel

The compact 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

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