

EXAIR®-MAIL



Number 62

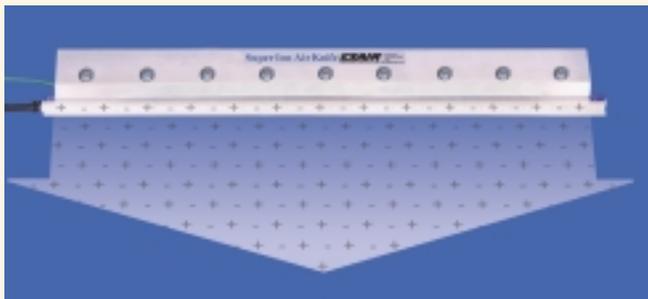
Winter 2004-05

NEWS YOU CAN USE FROM EXAIR CORPORATION

Put An End To Static Problems

The cold, dry weather is here and with it the production problems associated with static electricity. These include:

- Jammed machinery
- Dust attraction
- Poor print quality
- Painful shocks
- Electronic glitches
- Product clinging to itself



The Super Ion Air Knife eliminates static shocks, jamming, tearing and dust attraction.

EXAIR static eliminators called "ionizers" can solve these problems. Many ionizers incorporate our engineered compressed air products to provide "reach". They include our Super Ion Air Knife (our most effective ionizer), the Ion Air Cannon, Ion Air Gun and the Ion Air Jet. These use the airstream to move the static eliminating ions into tight spots where the static is generated. This is also ideal for covering large surface areas quickly or for high speed processes that limit the exposure time to the ions.



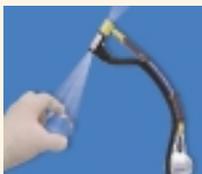
Super Ion Air Knife™ delivers a uniform sheet of static eliminating ions.



Ion Air Cannon™ provides a concentrated flow for static removal.



Ion Air Gun™ is a rugged, ergonomic, effective spot cleaner.



Ion Air Jet™ is a compact static eliminator that delivers a localized blast of air.



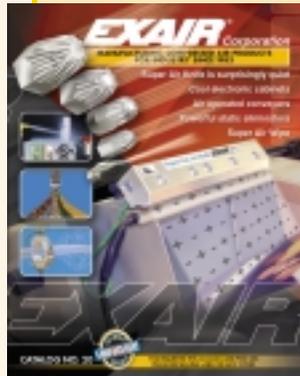
Ionizing Bars compact, rugged bars eliminate static cling.



Digital Static Meter locates the source of the static problem.

Do you need help with a static problem? Contact one of the engineers in our Application Engineering Department at 1-800-903-9247 or e-mail techhelp@exair.com.

NEW! Hot Off The Press - Yours FREE!



The New Catalog 20 is a complete technical guide!

What's new at EXAIR? A whole lot and we'd like to show you!

EXAIR's **NEW** Catalog 20 is our **largest catalog ever** that is crammed full of new products, application photos, test data, drawings and more. It's hot off the press and yours **FREE**.

To receive your **FREE** Catalog 20 and Price List, just drop the enclosed postage-paid card in the mail today. For faster response, call 1-800-903-9247 or fill in the catalog request that's on-line at www.exair.com/catalog.htm. We'll send your free copy right away.

NEW FOR 2005!

Here are some of the **NEW** things you'll find:

Super Air Wipe

Blowoff, dry, clean and cool pipe, cable, extruded shapes, and hose!

- New stainless steel models available for temperatures up to 800°F (427°C).
- Split design requires no threading



Stainless Steel Super Air Wipe

The **Super Air Wipe™** provides a uniform 360° high volume, high velocity airstream using a small amount of compressed air. Split design makes it easy to clamp around moving materials.

Safety Air Guns

Ergonomic Safety Air Guns use new engineered air nozzles to reduce noise and air consumption.

- Meets OSHA pressure and noise requirements
- Many styles available with extensions or Stay Set Hoses



Soft Grip Safety Air Gun with 4 Nozzle Cluster

EXAIR's expanded line of **Safety Air Guns** combine high performance with low air consumption. Sound levels are surprisingly quiet.

More Super Air Nozzles and the "Micro"!

NEW air nozzle designs like nothing you've ever seen!

- PEEK (plastic) version of the original Super Air Nozzle
- 1/2 NPT Super Air Nozzle delivers **3.3 pounds of force!**
- Micro Air Nozzle fits tight spaces
- Swivels make air nozzles easy to position

Air Nozzles are available that can meet specific blowoff, cooling and drying requirements.



PEEK

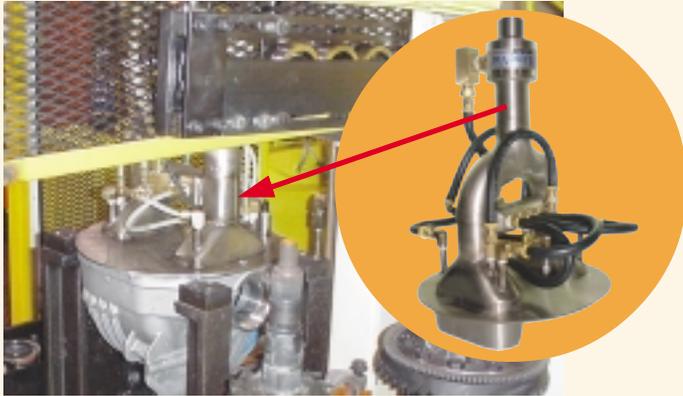
3/8 NPT

1/2 NPT

Micro

Swivels

Application Spotlight: Removing Chips From Differentials



The Problem:

An automotive manufacturer had a problem with their drive train differential assemblies. Blind holes were drilled and tapped in the differential body so the bearings could be bolted into place. Chips and other foreign materials were sometimes left in the holes, and, as a result, made it impossible to obtain the proper clamping force. Many rejects occurred requiring costly warranty replacements at the dealership. Attempts to clean the holes using ordinary air guns consumed valuable production time while frequent contamination still passed through undetected.

The Solution:

A combination blowoff/vacuum system was created. Just after machining, this special evacuation system was lowered down onto the differential. Once in place, a PLC turned on the air to (4) **Model 1001 Safety Air Nozzles** directed at the four holes and to a **Model 6083 1-1/2" (38mm) Line Vac** used to convey the chips and debris away to a scrap drum. Lost production time and rejects were eliminated.

Editor's Comment:

These low cost EXAIR products were assembled into an effective cleaning system that saved this company thousands of dollars and man hours. The Line Vac air powered conveyor converts ordinary hose, tube or pipe into a complete conveying system for scrap, small parts, granules and more. EXAIR also has a complete line of engineered air nozzles - making it easy to choose the nozzle with the right amount of force, flow and air pattern to do the job.

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 and give you updates on EXAIR's new and existing products.

New 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 manufacturer of baby powder dries the plastic bottles with (2) **Model 110006SS 6" (152mm) Stainless Steel Super Air Knives** (one on each side of the conveyor) as they exit a sterilizer. This eliminated 4 people drying them with towels.
- An electronics manufacturer eliminates static on a mold surface with a **Model 7294 Ion Air Jet System** so polystyrene parts drop out of the mold cavity.
- A maker of household cleaning products prevents label damage by drying the necks of window cleaner bottles using the **Model 1122 2" Super Air Nozzle**.
- A paper products manufacturer blows down their machines and work areas using the powerful **Model 1111-4 Super Air Nozzle Cluster** mounted on a 10' (3m) pipe.
- A motorcycle manufacturer cools a 2" transducer shaft with a **Model 3230 Vortex Tube** to prevent heat transfer that could damage sensitive electronics.

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 the NEW Catalog 20 or contact an Application Engineer at **1-800-903-9247**.