

# EXAIR®-MAIL

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NEWS YOU CAN USE FROM EXAIR CORPORATION



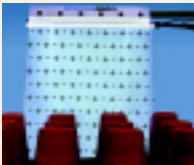
## Eliminate Static Cling

**NEW!**



*The new Model 7294 Ion Air Jet eliminates static and dust prior to applying a shrink band.*

If your company works with non-conductive parts or materials, chances are likely that you're having problems with static electricity. During the winter, the humidity decreases and static problems increase. You can expect jamming of product, dust attraction, tearing of papers and plastics as well as painful static electricity shocks.



*Super Ion Air Knife removes static from plastic cups.*

EXAIR manufactures a wide variety of static eliminators that can make these production headaches go away. Some use our engineered compressed air products to deliver the static eliminating ions over long distances up to 20 feet away. They include our Super Ion Air Knife (our most effective ionizer), the Ion Air Cannon, Ion Air Gun and the new Ion Air Jet.

**NEW!**

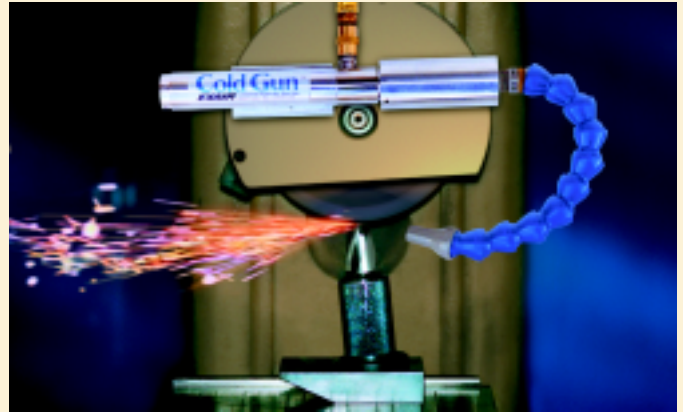


*Ionizing Point eliminates static cling on a slitter.*

We realize there are some applications where airflow might disturb the product. For those applications, EXAIR manufactures Ionizing Bars that are in stock from 3" to 48" (8 to 122cm) and special lengths to 120" (3.05m). Our latest addition, the Ionizing Point, delivers a steady stream of ions that is ideal for single spot coverage (or for duct mounting to neutralize forced air). These ionizers require mounting within a few inches of the charged surface.

Do you need more information or have an application that you'd like to discuss? Contact one of the engineers in our Application Engineering Department at 1-800-903-9247 or e-mail [techhelp@exair.com](mailto:techhelp@exair.com). They can help and will be glad to send your **FREE** copy of our **NEW** Catalog 18.

## Cold Gun Improves Dry Machining



*The Model 5215 Cold Gun's 20°F cold airstream eliminates tool edge burning during sharpening.*

Dry machining is tough - in some cases next to impossible. The problems are numerous.

- Tooling gets hot and cracks
- Part finish looks dull
- Grinding wheels load up with softened metal
- Process speeds are reduced to a minimum because the part simply gets too hot

EXAIR's Cold Gun is the answer. It converts an ordinary supply of compressed air into a 20°F cold airstream that can eliminate the heat build up. The cold air temperature is factory set to provide the most cooling possible without the Cold Gun freezing up, making it ideal for continuous use.

All sorts of machining operations can improve with cold air. For complete details, see our **NEW** Catalog 18.

**NEW!**

**It's Big! It's FREE! It's Yours!**

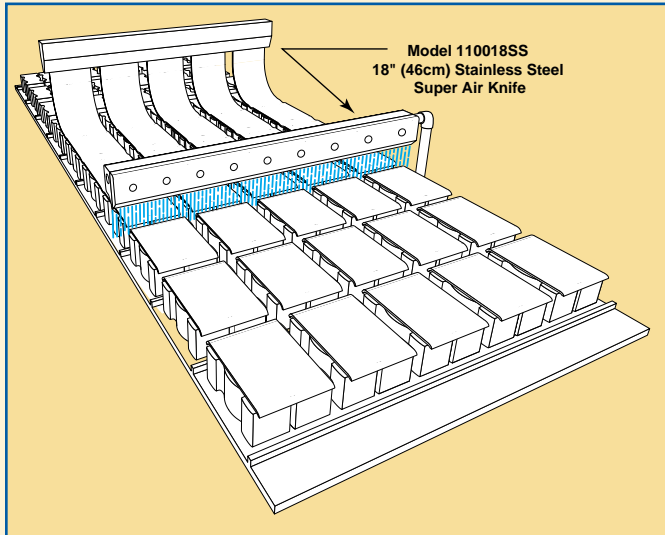


What's new at EXAIR? A whole lot and we'd like to show you!

EXAIR's **NEW** Catalog 18 is **now 20% larger** and 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 18 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](http://www.exair.com). We'll send your free copy right away.

## Application Spotlight: Bakery Creates Clean Break In Icing



### The Problem:

A bakery had a problem applying the icing to their snack cakes. As the baked sponge cakes moved down the conveyor, a continuous ribbon of icing was applied to the individual cakes. Trying to make a clean break in the icing was next to impossible. Mechanical blades required constant cleaning. Compressed air through a series of holes in drilled pipe used too much air, was noisy, and didn't make a clean break in the icing.

### The Solution:

A **Model 110018SS 18" (46cm) Stainless Steel Super Air Knife** was installed across the conveyor. A photo eye was used to detect the space between the cakes. This turned the compressed air on at the precise moment to apply uniform airflow and velocity against the ribbon of icing, creating a nice, clean break.

### Editor's Comment:

The Stainless Steel Super Air Knife was the best choice for this application. Since there was no contact with the icing, no additional cleaning was required. **The laminar flow of the Super Air Knife has uniform velocity across the entire length and broke the ribbon of icing evenly.** This would never have been possible with the spikes of air from a drilled pipe, nozzles or a blower. For more details on the Super Air Knife, see page 3 of the **NEW** Catalog 18.

## 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.



The people at EXAIR work hard to earn your business. You can expect exceptional product quality and value. With the introduction of our new Catalog 18, we are pleased to announce a **Five Year Warranty** on all compressed air products. See the new catalog for details.

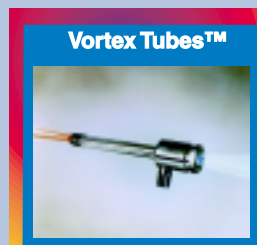
## Application Checklist

Since 1983, EXAIR's compressed air products have solved many common industrial problems. Please call an engineer at 1-800-903-9247 or contact them by e-mail at [techhelp@exair.com](mailto:techhelp@exair.com) for help with yours.

- A wire spring manufacturer uses the **Model 6060 3/4" (19mm) Stainless Steel Line Vac** to convey small springs from the forming machine to a packing station.
- Cooling time was cut by 20 minutes when a kayak manufacturer installed the **Model 120022 2" Super Air Amplifier** to move high volumes of airflow across the surface.
- A powdered drink manufacturer uses the **Model 4808SS NEMA 4X Cabinet Cooler System** to cool an electrical enclosure to prevent shutdowns due to heat. UL Listed Cabinet Coolers keep the panel sealed for frequent washdowns.
- A pet food manufacturer uses the **Model 110024SS 24" Stainless Steel Super Air Knife** to blow dry dog food out of molds.
- To keep speaker grills from melting when drilling, a manufacturer of audio components uses the **Model 3808 Mini Cooler** to cool the 1/8" drill bit and plastic surface.

## 1 Ton Of Refrigeration!

Cold air to -50°F for cooling applications!



Up to 1 Ton of Refrigeration!

**EXAIR** Corporation

EXAIR's Stainless Steel Vortex Tubes™ produce up to 10,200 Btu/hr. with no moving parts. Vortex Tubes convert an ordinary supply of compressed air into two streams; one hot and one cold. Temperatures are adjustable from -50°F to +250°F. Applications include the cooling of environmental chambers, welding horns, electronic controls, gas samples and CCTV cameras.

For more details, return the postage-paid card for the new Catalog 18 or contact an Application Engineer.