

EXAIR®-MAIL



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NEWS YOU CAN USE FROM EXAIR CORPORATION

Introducing The Super Air Nozzle!

Seen one air nozzle, you've seen them all - right? Not so if you haven't taken a look at our new Super Air Nozzle. This engineered air nozzle delivers extremely high thrust while keeping the noise level and air consumption down. It is truly the best air nozzle available!



The quiet Super Air Nozzle provides a high thrust, concentrated stream of high velocity airflow.

High noise level is a common problem for many plants. Compressed air noise often exceeds OSHA noise level exposure requirements, resulting in hearing loss to those working in close proximity. Noisy blowoffs at 80 PSIG (5.5 BAR) that produce **noise levels of 100 dBA can be reduced to only 74 dBA when using the Super Air Nozzle.** And, it's still possible to obtain hard-hitting force at that pressure and use only 14.7 SCFM.

The Super Air Nozzle is available in a wide variety of configurations including magnetic bases, Stay Set Hoses and Safety Air Guns. If there is a blowoff, cooling, drying or cleaning application that you'd like to discuss, please call our Application Engineering Department at 1-800-903-9247.

Try The Best Air Nozzle Available!

We appreciate your interest in the EXAIR products. Now, for a limited time, recipients of our EXAIR-Mail Newsletter can try our new Super Air Nozzle at the low introductory price of \$4.95 (a \$26.00 value).

To order by phone, call 1-800-903-9247 and mention Special Offer Code EM53 to receive the discounted Model P1100 Super Air Nozzle. Or, visit the following unique web address www.exair.com/sanspecial.htm to place your order online. Free USPS shipping within the U.S. (expedited shipping available at extra cost). Orders

accepted by VISA, MasterCard, American Express or advanced check.

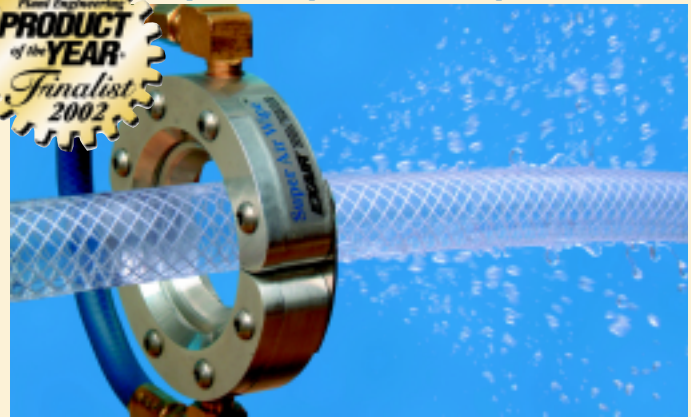


Cards

Only \$4.95
to the first
500 customers!

(Limit five
per customer)

Split Super Air Wipe



The split design of the Super Air Wipe eliminates the need for threading while delivering a 360° airflow!

The problem is all too common. Most production lines have a continuous flow of material that makes it impossible to stop the line to set up an apparatus for blowoff, cooling and drying. Consequently, the problem persists.

EXAIR's new Super Air Wipe provides 360° of continuous airflow and can be mounted without having to stop production. The split design allows it to easily hinge around the contoured surface of the part or material moving through it. Since the Super Air Wipe clamps around it, threading is not required. Common applications include:

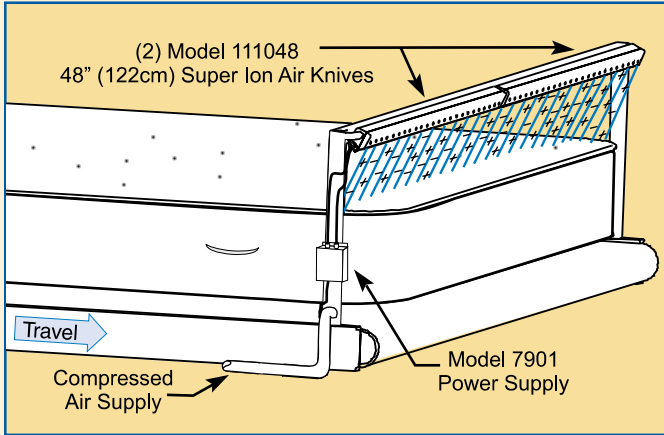
- Drying after washing, cleaning, plating or coating
- Cooling hot extruded shapes
- Uniformly wiping surfaces
- Drying screen printed or ink jetted surfaces
- Eliminating solution carry over - no cross contamination
- Removing excess coatings, water and oil

Prior to the Super Air Wipe, the only way to handle these applications was to use a ring of air nozzles - and the results weren't all that great. This "air ring" commonly produced inconsistent airflows along with high air consumption and noise. EXAIR has eliminated those problems with design features similar to the Super Air Knife. As a result, the Super Air Wipe provides a high volume, high velocity airstream that is very quiet and doesn't use a lot of compressed air. **Plant Engineering Magazine considers it so significant that the Super Air Wipe is now a finalist for their 2002 "Product Of The Year Awards".**

Would you like to know more about the Super Air Wipe? Return the enclosed postage-paid card and we'll send you our 96 page catalog that offers complete details.

Please
see other
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Application Spotlight: Super Ion Air Knife Cleans Mattresses



The Problem:

A bedding manufacturer had a problem with contamination of their mattresses. In a final assembly step, the outer cotton cover of the mattress is pulled and stretched over layers of polyurethane foam. The friction created when the two surfaces rubbed together often caused the cotton cover to build a high static charge. As a result, the flat, horizontal mattress surface attracted stray fibers, threads and dust that ended up in the protective poly bag used for shipping. Customers frequently complained of receiving a dirty mattress.

The Solution:

The company installed (2) **Model 111048 48" Super Ion Air Knives** over top of the conveyor. Before each mattress passed off the end of the conveyor into the poly bag, it was blown off with a sheet of ionized air that **not only neutralized the charge, but also blew the contaminants away.** Customer complaints ceased.

Editor's Comment:

Like many other manufacturers, this company was surprised to find that static electricity was the culprit. Previous attempts to clean the surface with an ordinary air gun failed since the force couldn't overcome the static charge that held the debris to the surface. **If you suspect static to be a problem with your operation, you should first measure the surface charge with a static meter** (EXAIR's Model 7905 shown in the advertisement on the right). **EXAIR offers many styles (with or without air) and can help you choose the appropriate static eliminator for your application.**

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.



Look What You Can Get At Our Website!

The EXAIR website is constantly changing to bring you the latest product information, downloadable CAD drawings, compressed air engineering data, Frequently Asked Questions, pdf's of our catalog and more. You can even order securely on-line. Visit www.exair.com and be sure to add our site to your favorites!

Application Checklist

In each newsletter, we summarize some common problems solved by EXAIR products. Please call our Application Engineers at 1-800-903-9247 for help with yours.

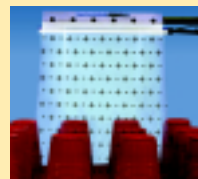
- A lumber mill uses the **Model 140200 2" Threaded Line Vac** to convey wood chips from their saws and planers to a scrap wood recycling container.
- A manufacturer of window glass uses (4) **Model 111036 36" Super Ion Air Knives** to blow away polycarbonate fines after cutting the sheet to length.
- To ensure proper fill of the box, a dry foods processing facility uses the **Model 110006 6" Super Air Knife** to blow cereal fines from a weight scale.
- A sporting goods company uses the **Model 3404 Vortex Tube** to keep golf balls cool while grinding off the molding parting line.
- A manufacturer of small appliances uses the **Model 120021 1-1/4" Super Air Amplifier** to cool toaster ovens following a test operation.

Static Control Products

Prevent jamming, tearing and static electricity shocks!



EXAIR provides the cost effective solution for removing static electricity from plastics, webs, sheet stock and other product surfaces. Production speeds, product quality and surface cleanliness can improve dramatically.



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 blast of air!



Ionizing Bars compact, rugged bars eliminate static cling.



Digital Static Meter locates the source of the static problem.