

EXAIR®-MAIL



Number 61

Fall 2004

NEWS YOU CAN USE FROM EXAIR CORPORATION

Good Looks Are Everything

Savvy buyers have come to expect quality. A product can have the best features, work great and have a respectable warranty but if it looks bad, FORGET IT! We owe a lot of thanks to the automobile manufacturers who have trained us to expect a dependable engine under a body that sports a great paint job. Most of us apply those same standards to everything else we purchase. Product finish can make or break the sale.

EXAIR can help your products look great. Our Super Air Knife is a key component of many production lines, blowing dust and contaminants off a product surface prior to applying the finish coat. The laminar sheet of airflow is uniform across the entire length of the Super Air Knife for even coverage. Force can be adjusted from a "blast" to "breeze".



The Super Ion Air Knife eliminates sawdust and dirt from wood cabinet doors prior to applying the finish.

The door panels exit the finishing process without blemishes.



Airflow alone doesn't always do the job. Some products are charged with static electricity, attracting dust, lint and other contaminants. Our Super Ion Air Knife solves this problem. **An Ionizing Bar attached to the bottom of the Super Air Knife fills the forceful airstream with static eliminating ions to neutralize the charged surface, releasing the contaminants and blowing them away.**

Would you like to improve the fit and finish of your product? Our Application Engineers have years of experience and will be glad to help. Call (800) 903-9247 or e-mail them at: techhelp@exair.com.

Keep Your Process And Part Visible



The Air Disk Window Blowoff creates a 360° airstream that blows out from the center of the window to keep it clear of coolant and chips.

Tired of guessing what is going on inside your machine? EXAIR's new Air Disk™ Window Blowoff keeps the window of machines clear of coolant, chips and other debris so the process and part are visible at all times. **The unobstructed view permits the operator to make decisions resulting in faster machine set up and increased productivity.** Tool damage and unnecessary downtime can be reduced.

The Air Disk uses EXAIR patented airflow technology to eject a small amount of compressed air through a thin slotted ring nozzle. This quiet, high velocity airstream is directed 360° across the entire surface of the window to quickly divert away any liquids or debris that impacts it. There are no moving parts such as a mechanical wiper that could coat with chips and scratch the window.

The Air Disk is designed for closed top machines that will keep the coolant and debris contained when blown upward. Open top machines should use the EXAIR Air Stik™ that blows down the surface of the window. Installation is fast and easy since there are no holes to drill in the window.

Are the Window Blowoff products expensive? Not at all. Price for the Air Disk and Air Stik starts at \$99. See EXAIR's Catalog 19 or our web site at: www.exair.com/airdisk.htm for complete details.

Application Spotlight: Cooling Cast Parts



The Problem:

A manufacturer of large machined castings had a problem cooling their parts following a high temperature wash operation. The parts exited the washer at over 120°F - way too hot for operators on the line to handle. As a result, they had to set up a staging area where the parts sat for an extended time with large fans blowing on them. This wasn't enough cooling, resulting in the line operators using air guns, blowing compressed air on them just prior to picking them up. The long wait slowed production while the company forfeited valuable space for the parts to sit and cool.

The Solution:

The company installed a custom cooling conveyor incorporating an overhead array of Model 6031 1-1/4" Adjustable Air Amplifiers to bombard the parts with high volume, high velocity airflow. They also installed a Model 110030 30" Super Air Knife under the conveyor, blowing up through the rollers to cool the underside of the parts (not shown). **The castings were cooled in 3 minutes and the large staging area was eliminated.**

Editor's Comment:

Low cost Adjustable Air Amplifiers are ideal for cooling. They use only a small amount of compressed air to entrain surrounding room air (25:1 air amplification ratio). **The airflow can be "tuned" to the application requirements and can be precisely directed at the part.** Large fans and blowers can move a lot of air but don't have the ability to put the air exactly where it is needed.

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.





Add Us To Your "Favorites"



EXAIR's website is constantly updated to include information that might be helpful to you. You'll find detailed product information, compressed air engineering data, FAQ's (Frequently Asked Questions) and numerous downloads such as CAD drawings and pdf documents. Visit www.exair.com and be sure to add us to your favorites.

New Application Checklist

While EXAIR products are considered "unique", the problems they solve are not. Below are several that might sound familiar. Please call our Application Engineers at **1-800-903-9247** or by e-mail at techhelp@exair.com for help with yours.

-  An extruder blows the cold air **from a Model 3225 Vortex Tube** on a fiber optic strand as it is extruded to set it immediately, preventing a diameter change.
-  A meat products manufacturer uses the **Model 2482 2" Super Air Wipe Kit** to dry sausage links as they exit a bath.
-  A manufacturer of glass plasma screens blows dust and debris from the surface with **(2) Model 111130 30" Super Ion Air Knives** prior to inspection.
-  To keep the surface smooth, a pressed board manufacturer blows dust and fibers from the surface with a **Model 110048SS 48" Super Air Knife** prior to pressing the final layer.

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.



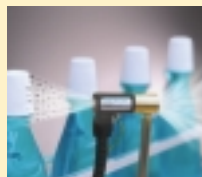
Super Ion Air Knife™ delivers a uniform sheet of static eliminating ions!



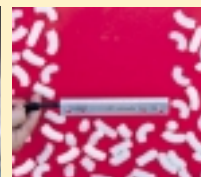
Ion Air Cannon™ provides a concentrated flow for static removal.



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.