

New Anti-Static Air Knife with 30% Better Performance is CE, UL and RoHS Certified

EXAIR's new Gen4 Standard Ion Air Knife eliminates static electricity 30% better at low inlet pressures which saves compressed air and money. Production speeds, product quality and surface cleanliness can improve dramatically. It eliminates static on plastics, webs, sheet stock and other product surfaces where tearing, jamming or hazardous shocks are a problem. All Gen4 products have undergone independent laboratory tests to certify they meet the rigorous safety, health and environmental standards of the USA, European Union and Canada that are required to attain the CE and UL marks. They are also RoHS compliant. New design features include a metal armored high voltage cable to protect against abrasion and cuts, integrated ground connection and electromagnetic shielding.

The Gen4 Standard Ion Air Knife incorporates EXAIR's Standard Air Knife that minimizes compressed air use by inducing surrounding airflow at a ratio of 30:1. The unique amplified airflow carries the ions to the target, making it possible to eliminate static charges in less than a half second. Air volume and velocity are infinitely controllable from a "breeze" to a "blast" to gently wipe or forcefully blow away debris.

EXAIR's Gen4 Ion Air Knife product lines are available from stock in 3" to 108" long. The electrical ion source is shockless and there is no radioactive element. A new selectable voltage power supply has been designed to operate Gen4 products. Applications include surface cleaning, neutralizing plastics, bag opening, printing machinery, packaging operations and elimination of painful static electricity shocks.

Visit EXAIR.com to see the entire Gen4 static elimination product line. These include the Gen4 Super Ion Air Knife, Super Ion Air Wipe, Ion Air Cannon, Ion Air Gun, Ion Air Jet, Ionizing Bars and Ionizing Point.

Learn more at https://exair.co/05_static



Gen4 Standard Ion Air Knife improving a static neutralizing plastic drill hole blowoff operation.



The EXAIR Gen4 product line consists of Super Ion Air Knives, Super Ion Air Wipes, Ion Air Cannons, Ion Air Guns, Ion Air Jets, Ionizing Bars and Ionizing Points.

What Our Customers Are Saying About Us



"Amazing! Had an expedited answer to my every question. That was the best business chat experience that I have ever had. I will be back for sure."

-Angela (Water Management Products Manufacturer)

"One of the best customer service experiences I've had! ...straightforward and honest with answers, and I got the information I needed in a very timely manner."

-Mark (Electrical Engineering Firm)

"Thank you for your attention, the truth is, in the end, I found all the information I needed on your website. I was able to move forward with the design and also buy the material... Two #110018 18" Air Knives."

-Javier (Mechanical Design Department)

"Small part, but solved a big problem. We will not be shy about contacting you again!"

-Luke (Material Processing & Handling Equipment Manufacturer)

Have a success story?

Send us an email at techhelp@exair.com and tell us your story.

If we can turn it into a case study, we've got a little something for you!



EXAIR Corporation's Gen4 Static Eliminator Promotion

Purchase a Gen4 Static Eliminator System and get a handy AC Sensor.



Solve your static problems with EXAIR's line of static eliminators.

See the special promotion at https://exair.co/05_sepromo

Vortex Tubes Cool Injection Molding Machinery

This customer operates injection molding machines that have integral cooling passages that use chilled water to cool the freshly molded parts. These systems were always maintenance intensive – fixing leaks, wiping up condensation “sweating” off the piping, etc.

As the machines age, small cracks develop in the chill lines, allowing water to leak into the mold cavities. The machinery cannot be operated with any water leaking into the mold cavities, as this ruins the product, and there was no permanent repair...the machinery would have to be completely overhauled at a cost of **\$20,000.00 per machine**.

After experimenting with several Vortex Tubes to determine the amount of cold air flow necessary, they found that by installing (8) **Model 3240 Medium Vortex Tubes** (2,800 Btu/hr; Maximum Cooling Power) into the existing chill lines at strategic points as shown at right, they could replicate the cooling provided by the chilled water.

Since the original outfitting of one injection molding machine in the summer of 2015, the customer has installed another set of (8) Model 3240 Vortex Tubes on another machine which had developed leaks in the chilled water system. After accounting for the cost of the compressed air usage, the Vortex Tubes will save them over \$20,000.00 this year, for these two machines, by avoiding the expensive overhaul.

Learn more about all of EXAIR's Vortex Tubes at https://exair.co/05_vt_ad



Vortex Tubes Cooling Molding Machinery Without Using Water!



New Application Checklist

EXAIR products solve a variety of problems. Please call our Application Engineers at 1 (800) 903-9247 or e-mail them at techhelp@exair.com for assistance with yours.



Line Vac Eliminates Manual Operation and Saves Time and Effort

A major electrical switchgear manufacturer was asking operators to load heavy boxes of screws into the assembly hoppers 6 feet above the floor. This required climbing stairs, and also presented safety and ergonomic concerns. The **Model 6083 1-1/2" (38mm) Line Vac** was used to convey the screws into the hopper and eliminated the manual operation and the concerns it presented.



Ion Air Cannons Eliminate Nasty Shocks

A customer manufactures snack food and candy. The customer has a large sack filling operation where plastic sacks are used. During fill operation, static charges form on the surface of the poly bag and discharge to operators standing nearby. (4) **Model 8192 Ion Air Cannons** were used to direct air from each corner of the filling station and into the large sack, using one **Model 7960 4-outlet Power Supply**. The cannons only needed to operate at 30 psi to provide a “shower of ions” over the bag to keep it neutral during the fill operation. There were no more dangerous discharges to personnel.

Air Knife Cleans Up Production, Saves Money

A medical components manufacturer is making small parts of a very low durometer PVC and had a difficult time capturing the parts during ejection. The parts are very bouncy and ejected erratically. A **Standard Air Knife** is being used to direct the parts into a chute. This simple solution has helped the company save \$42,500 a month in lost parts.



EXAIR Corporation's **GET4** Static Eliminator Promotion

When the temperature outside drops and humidity plummets, static electricity problems are sure to make bad things happen, leaving you to deal with the associated production headaches.

CALL (800) 903-9247

Order by March 31, 2020 and receive a Free handy dandy AC Sensor



To learn more go to:
https://exair.co/05_sepromo



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.

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MANUFACTURING INTELLIGENT COMPRESSED AIR® PRODUCTS SINCE 1983

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