

Founder's Day

February 22nd holds a special place on the EXAIR calendar as we observe Founder's Day, a time to honor the legacy of our late founder, Roy Sweeney. This day is dedicated to remembering Roy's profound impact on not just EXAIR but also the Cincinnati community.

For 33 years, Roy led EXAIR with vision and dedication, shaping it into the thriving company it is today. However, his influence extended far beyond business. Known for his generosity and unwavering commitment to helping others, Roy and his wife Jackie made philanthropy a cornerstone of their lives. Through their countless charitable efforts, they set a lasting example for EXAIR employees and everyone fortunate enough to know them.

In his memory, EXAIR continues to uphold this spirit of giving. Each year on February 22nd, we contribute to local charities, carrying forward Roy's passion for making



Founder Roy Sweeney

a difference. These donations not only celebrate his life but also serve as a reminder to all EXAIR employees to pause and consider how they, too, can positively impact their community.

We invite you to read a recent blog post from our President, Kirk Edwards, reflecting on the significance of Founder's Day and highlighting the charities we've supported this year.

Click here for details:

<https://exair.co/em-foundersday>

Why Go Pneumatic?

Often, manufacturing processes—milling, drilling, trimming, lubricating, washing, and cleaning—create byproducts that must be cleaned, transported, or repurposed to maintain a smooth production flow. The use of electric vacuums in demanding manufacturing areas often leads to worn-out motors and failing devices, which can create safety hazards and require costly replacements.



EXAIR offers a full line of pneumatic products specifically engineered to quickly and quietly vacuum a wide variety of materials into standard drums for easy switch-out and storage. In addition, EXAIR vacuums have no moving parts or motors that wear out and require no electricity, making them safer for use with applications involving liquids and ensuring a low-maintenance and durable solution.

Visit EXAIR.com to learn more about our selection of pneumatic vacuums and how they can help a manufacturing process, and for a limited time, take advantage of EXAIR's Industrial Housekeeping Promotion currently going on.

Click here for details:

https://exair.co/05_vacpromo

UC Combat Robotics

EXAIR has always had a great relationship with the University of Cincinnati and its engineering program, which has produced a number of wonderful EXAIR employees. To give back to the program, EXAIR has sponsored UC's Combat Robotics Team for the past couple of years and has been excited to get to know and support the team in any way possible. EXAIR has continued to donate to assist the students with expenses like travel, team



jerseys, and robot parts, and it has even provided products like safety air guns and cold guns for their work area. EXAIR is proud to be a part of the team and encourages readers to stay tuned for updates on UCCR's upcoming battles and events.

Super Air Knives Reduce Sound Levels and Improve Blowoff



APPLICATION GOAL:

Reduce sound level & maintain blow off performance of handheld devices.

BEFORE EXAIR: A manufacturer of medical devices used hand held air guns for blow off & cleaning of their products at various stages of manufacturing and assembly processes. They were supplied with compressed air at 90 PSIG through a 1/4" diameter air hose. The air guns worked satisfactorily, but were quite loud, and they wanted a blow off solution that could be installed in a fixed position. This air gun's sound level is rated by the manufacturer at **91 dBA**, blowing into open air. Actual sound level measurement by the user was **103.4 dBA**, which includes impingement noise associated with the blow off. 91 dBA exceeds OSHA Standard 1910.95(a) limits for **8 hour exposure**, and 103.4dBA exceeds the **limit for 2 hour exposure**. The operator receives four parts at a time, and those parts need to be blown off & sent to the next assembly station within four minutes.

AFTER EXAIR: The handheld devices were replaced with two **Model 110006 6" Aluminum Super Air Knives**, actuated with a foot pedal valve in the air supply line. Operators manually pass the products through the two converging air curtains. Sound level during blow off was reduced to **80.4 dBA**, which is well within OSHA limits for maximum allowable noise exposure. Operators are still able to blow off four parts and send them to the next assembly station within the required four minutes, and prefer the 'hands free' operation provided by the fixed mounting of the Super Air Knives and foot pedal valve operation.



SUMMARY: This customer's goal of reducing sound levels was met dramatically, while maintaining the required throughput in the product assembly process.

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.

Special Flanged Adjustable Air Amplifier Handles Hot Acidic Gases

Customer was increasing the airflow in their scrubber system which required increasing the duct size from 4" to 6". They were using a **Model 120024 4" (102mm) Super Air Amplifier** to move hot, acidic gases through their line but were beginning to see the aluminum break down and the ducting become loose due to a slight pulse in the line. We were able to design a special 6" flanged, **304SS Adjustable Air Amplifier** to meet the unique requirements of the application.

GO TO exair.co/05-sal

Removing Plastic Contamination From Meat Trays

A manufacturer of meat and poultry processing trays is using a serrated edge and steel roll die to cut the trays. Small beads are sticking to the trays after they have been cut. After they cut the trays, they stack them and push them to a table to be packaged. EXAIR has recommended a **Model 112042 42" (1067mm) Super Ion Air Knife** to span the web and remove the beads from the trays before they are to be packaged.

GO TO exair.co/05-siak

Tea bag Misfeeds are a Thing of the Past

This tea manufacturing company utilizes 2" diameter disc shaped bags for their tea. These bags get packaged into cans then sealed. As the bags move from the sealing machine to the packaging portion a bag may become flipped up out of line and needed to be evacuated. The **Model 6084 2" Aluminum Line Vac** was easily able to vacuum the tea bag that would be riding on top of the rest from two inches away and send it into a rework / scrap bin.

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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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https://exair.co/05_vacpromo