

## NEW Catalog 36

The demands of modern manufacturing are constantly evolving, making it essential for facilities to stay informed about the latest advancements in safety and efficiency. To support this need, EXAIR is proud to introduce Catalog 36—a comprehensive, full-color technical guide that provides innovative solutions for industrial applications like conveying, cooling, cleaning, blowoff, drying, coating and static elimination challenges.



This expanded edition features the latest tools from EXAIR's expansive product offerings. Each product is accompanied by detailed specifications, performance data, and application insights to facilitate informed decision-making. Most excitingly, Catalog 36 proudly features **BETE Performance Spray Engineering's** line of liquid nozzles. BETE has been a pioneer and innovator in the world of spray technology, and Catalog 36 hosts a sampling of their products, all available for immediate purchase.

Beyond product offerings, Catalog 36 provides essential technical data, dimensions, **application guidelines**, and certification details to help customers confidently navigate facility regulations. To further assist in product selection, EXAIR's team of Application Engineers is available via phone, email, or online chat to provide personalized support and troubleshooting.

EXAIR is committed to minimizing downtime by offering **same-day shipping** for orders placed by **2 PM EST**, with next-day shipping available upon request.

Order your copy of Catalog 36 today and explore 240 pages of high-quality solutions designed to enhance safety, efficiency, and overall process performance.

Visit [https://exair.co/05\\_cat](https://exair.co/05_cat)



## BETE Hydraulic Nozzles Now Available

BETE has been a leader in spray technology since 1950. In that time, 30,000,000 BETE nozzles have sprayed everywhere from deep sea to deep space, due to their vast selection of durable and high-efficiency spray solutions. In addition to their wide selection, BETE also offers a wealth of knowledge on the correct nozzle for a specific process. BETE Nozzle lines include full cone, hollow cone, fan, misting, fogging, tank cleaning, and automated options, all made with the same expertly engineered technology to ensure reliable performance every time. **You can now shop BETE products on EXAIR.com**, or visit [BETE.com](http://BETE.com) for their full offering of nozzles and custom spraying systems.

Optimize your processes with BETE!

Go to <https://exair.co/05-BETE>



## Prevent Static in Your Process

As the temperatures drop and the air becomes dry, static can become a major disruptor in manufacturing processes. EXAIR offers a full line of Gen4 Static Eliminators sure to keep processes running smoothly. By delivering positive and negative ions fast, over large areas, onto critical surfaces, or into hard-to-reach spaces, EXAIR Static Eliminators not only keep processes running smoothly, they increase employee safety as well. EXAIR's static eliminator promotion is currently underway! Order any EXAIR Static Eliminator by March 31st, 2025 and receive a free Model 7929 AC Sensor! Details: <https://exair.co/05sepromo>.

# Super Air Knives Increase Performance and Reduce Air Consumption



## APPLICATION GOAL:

A frozen chicken wing manufacturer was having issues with a drilled and slotted tube blow off not evenly removing excess sauce from the wings and belt prior to it going into a spiral freezer. They also had concerns on the volume of air the pipe was consuming and how loud it was, so they wanted to lower both of those.


**BEFORE EXAIR:** A new sauce applicator had been installed at this customer's plant. A drilled and slotted tube was provided with the equipment. This tube ran approximately 14 hours per day at a pressure of 16 PSIG to remove excess sauce on the chicken wings and belt. Due to the poor performance of the tube, they temporarily installed another drilled and slotted tube to help remove excess sauce. The header pressure to these knives was 60 PSIG but due to the large volume of air they were consuming they were only able to run them at 16 PSIG. These tubes consumed 484.2 SCFM each at the 16 PSIG - for a total consumption of 968.4 SCFM with both tubes. And at 16 PSIG they produced a sound level well over 90 dB.



Model  
110030SS-316PK1

**AFTER EXAIR:** The customer installed a **Model 110030SS-316PK1 30" 316 Stainless Steel Super Air Knife** on the sauce applicator and a **Model 110024SS-316PK1 24" 316 Stainless Steel Super Air Knife** on the Spiral Freezer. They reduced the noise to 65 dBA. The Super Air Knives combined consume 124.2 SCFM at 60 PSIG. And the Super Air Knives' force and laminar flow provided better sauce removal, over the turbulent nature of the drilled and slotted tube.

**SUMMARY:** The force and laminar flow of the Super Air Knives increased the performance by evenly thinning the sauce off the wings and preventing build up on the belt, and significantly **reduced rejected product by 85%**. Sound levels dropped from well over 90 dB to 65 dB, a **reduction of 25 dB**. Air consumption went from 968.4 SCFM to 124.2 SCFM. At 14 hrs/day the Super Air Knives saved them **709,128 SCF of compressed air**. That's over \$177.28 saved every day. (\$0.25 per 1000 CuFt) **(\$46,092.80 saved per year, 260 working days)** The ROI on these two knives is just under 30 days.



**EXAIR unconditionally guarantees**  
**its catalogued 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.



## 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](mailto:techhelp@exair.com) for assistance with yours.



### Cooling Robotic Arm

Company performs robotic service and repairs. Their customer's pick and place robot is being used to unload a part from a hot die. The robotic arm is being subjected to heat which is causing premature failures. A **Model 120022 2" (51mm) Super Air Amplifier** was installed to blow air into a protective sleeve around the arm. With the air cooling, the temperature of the arm got only a couple of degrees warmer than ambient, eliminating failures and downtime.

**GO TO** [exair.co/05-sal](https://exair.co/05-sal)



### Eliminating Static from Packing Foam

A minting company is manufacturing first edition state quarters and packages them with a robot into a foam holder and then inserts the foam into a plastic bag to be sealed. Cleanliness of the operation is of the utmost importance as the coins are never handled directly. Customer was having problems inserting the foam into the bag. They decided to use **Model 8006 6"** and **Model 8012 12" (305mm) Ion Bars** to knock the static down on the foam enough to get the process to run.

**GO TO** [exair.co/05-ib](https://exair.co/05-ib)



### Laundry Panel Cooling

Company manufactures commercial laundry equipment. Lint is getting into their electrical control panels and building up on the cooling fan blades causing a high maintenance issue. The fan's blades become out of balance and prematurely wear out the bearings. The lint also builds up on the circuit boards causing a thermal barrier over the components, causing them to overheat and fail. The **Model 4330 Cabinet Cooler System** replaced the cooling fans, provided a positive pressure inside the panel, and prevented the egress of lint contaminant inside the panel.

**GO TO** [exair.co/05-cc](https://exair.co/05-cc)



## EXAIR Static Eliminators PROMO

**Eliminate Static and Dust! Neutralize and clean at distances up to 20 feet!**

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.

Check out EXAIR's Static Eliminator Promotion. **Receive a FREE AC SENSOR with purchase!**

To learn more go to: <https://exair.co/05sepromo>