

Prepare for the Summer Heat

The summer brings great weather and an inevitable rise in temperatures that may be great for shorts and flip flops, but not necessarily for your sensitive electronics. Protecting electronic panels from the upcoming heat can prevent problems like circuit breakers tripping early, sensor readings being wildly inaccurate, and circuit boards completely failing. These are only a few of the issues that heat can cause, and all lead to lost time and lost money.

EXAIR is here to help you with our low-cost, reliable Cabinet Cooler® Systems. Cabinet Coolers are designed to cool dust-tight, oil tight, splash resistant, indoor/outdoor enclosures. Utilizing clean, moisture-free compressed air, EXAIR Cabinet Coolers both cool and purge your electrical cabinets protecting them from excessive heat or foreign contaminants.

EXAIR carries multiple different types of Cabinet Cooler to assist with specific cooling needs. Our NEMA 12 Cabinet Coolers are ideal for general industrial environments where no liquids or corrosives are present. NEMA 4's are better in applications when liquid is present,

or wash downs occur. Our NEMA 4X Cabinet Coolers are the perfect solution for when corrosive liquids may be present, and our Hazardous Location Cabinet Coolers are the answer for cooling electrical enclosures in hazardous locations and with an existing purge system installed. NEMA 12, NEMA 4 and NEMA 4X Cabinet Coolers are UL listed to match the NEMA rating of your enclosures, while our Hazardous Location Cabinet Cooler Systems are Classified UL listed and approved for Class I Div 1 groups A, B, C, and D – Class II Div 1 Groups E, F and G – and Class III.

Not sure if Cabinet Coolers are the solution for you? We are here to help! Our Application Engineers will help you determine which Cabinet Cooler model would best solve your over-heating problems and fit your process perfectly.

Visit our new site to learn more or chat with one of our Application Engineers. And, for a limited time, we even have a special promotion going on. Visit <https://exair.co/ccpromo05> to learn more.



EXAIR.com is New and Improved!

EXAIR.com has a brand-new look! We've made strides to heighten our users experiences and make browsing and buying on EXAIR.com easier than ever before.

Boasting a new interface and updated themes, our new website carries a litany of other improvements such as:

- Faster screen load times
- Ease of navigation
- All product details laid out below new high resolution product images
- 64 native extensions for CAD drawings in various file types
- A solutions pathway for browsing specific applications
- New and improved account management for changes, order history, etc.
- Better search functionality, and filtered results relating to specific products
- New case studies, PDF files, and videos

Plus much more! Visit our new site and take a look around at our new renovations.

Visit <https://exair.co/05-site>



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MANUFACTURING INTELLIGENT COMPRESSED AIR® PRODUCTS SINCE 1983

11510 Goldcoast Drive • Cincinnati, OH 45249-1621
Phone (513) 671-3322 FAX (513) 671-3363
E-mail: techhelp@exair.com • www.exair.com



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Super Air Nozzle Replaces Noisy Blowoff

A large manufacturing facility aimed to reduce personnel's occupational noise exposure by minimizing the noise produced by their generic compressed air guns and nozzles.

BEFORE EXAIR: A machining company was using air nozzles to blow off coolant and chips from their parts. The parts were for the aeronautical industry, which meant that the parts needed to be free of all chips and a majority of the coolant for the CMM or auto-gauging quality check procedure to be accurate. A thorough blow off process was critical for accuracy. Operators did not reliably wear hearing protection and they limited their blow off time and care because the excessive noise from the generic air guns was uncomfortable and hurt their ears. This lack of care resulted in an increase of failed parts due to residual coolant building up. The noise levels of the nozzles used ranged from 88-100 dBA at 80 PSIG of inlet pressure. 90 dBA is OSHA's maximum allowable sound level exposure for an 8 hour day [OSHA Standard 29 CFR – 1910.95(a)].

AFTER EXAIR: The machining company easily retrofitted 25 compressed air guns with EXAIR's Model 1103 Mini Super Air Nozzles throughout their facility because the thread on the nozzle matched the air gun thread. The new nozzle installation produced a 15 dBA drop in noise level. The Model 1103 Super Air Nozzle will maintain a very quiet decibel level of a 71 dBA at 80 PSIG inlet pressure. It produces more than enough force to eliminate the liquid coolant by generating 9 ounces of force 12 inches away from the nozzle. After realizing this reduction in noise level, operators were able to be more thorough when blowing off each part, which has decreased part rejections. The retrofit brought the noise level below the OSHA standard 29 CFR-1919.95(a) which details the length of time personnel can be exposed to harmful noise without hearing protection.



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.



Cold Gun Protects Plastic Soda Bottle Threads During Heat Forming

This customer manufactures soda bottles. They start with a standard formed bottle, which is then heated in a mold to give it a unique shape according to their customer's specs. In the process, the threaded top must be kept cool so the threads do not distort. The refrigerated air from the **Model 5330 High Power Cold Gun** protects the integrity of the threads during the heating cycle, eliminating defects.

GO TO <https://exair.co/05-cg>



Super Air Knife Blows Excess Paint From Finished Lumber

A lumber processor for the construction industry has chosen the **Super Air Knife** instead of a blower air knife to control the amount of paint left on their boards. The benefits include quieter operation, less space taken up by equipment, and lower capital costs.

GO TO <https://exair.co/05-sak>



Nullifying Air Currents to Improve Ink Jet Quality

On an ink jet printing application there was a fast-moving web that was creating a boundary layer of air that was distorting the print. A **Model 2003 3" (76mm) Standard Air Knife** was able to penetrate the boundary layer of air and nullify the air currents in the vicinity of the printing application. Problems of distorted print went away.

GO TO <https://exair.co/05-stdak>



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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11510 Goldcoast Drive • Cincinnati, OH 45249-1621

Phone (513) 671-3322 FAX (513) 671-3363

E-mail: techhelp@exair.com • www.exair.com

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Keep your electronics cool

Check out EXAIR's Cabinet Cooler Promo. Receive a FREE AC SENSOR with Purchase!

Offer good for U.S. and Canadian customers only.

Order a Cabinet Cooler System by August 31, 2021, and you will receive a free Model 7929 AC Sensor!

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