

EXAIR®-MAIL



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NEWS YOU CAN USE FROM EXAIR CORPORATION

Low Cost Cabinet Cooler Can Save You Thousands!

The story is all too familiar. Production is running near full capacity to get a big order out the door, when sure enough, disaster strikes! That's what happened to Lasercraft of Fairfield, OH, last summer when the temperature of their non-air conditioned shop popped up over 90°F and cooked the main computer of their laser cutting machine.

Lasercraft purchased a Model 4330 NEMA 12 Cabinet Cooler for their main CNC that had failed due to the summer heat and a small Model 4308 Cabinet Cooler System to protect their control pendant.

(Model 4308 shown)



Jeff Hauck, Lasercraft Inc.

According to Jeff Hauck, General Manager of Lasercraft, the main CNC computer cabinet failed and had to be sent to Australia (manufacturer's primary location) for repair. "It took us three days to get a replacement computer cabinet and we didn't want to risk another heat failure. Fans weren't an option since they would just blow around a lot of hot air. Freon-type air conditioners like those on some of our other machines were a constant maintenance project of their own. **We purchased EXAIR's Model 4330 NEMA 12 Cabinet Cooler System since it was easy to install and requires no maintenance**", Hauck said.



The new Model 4315 Cabinet Cooler System has a cooling capacity of 1,000 Btu/hr. which is ideal for medium-sized enclosures.

Lasercraft, like many companies was looking for a permanent solution to an occasional problem that happened a few weeks during the summer. **EXAIR has a complete line of NEMA 4, 4X and 12 Cabinet Coolers that are UL Listed and in stock.** Please contact an Application Engineer at 1-800-903-9247 or by e-mail at: techhelp@exair.com. They'll be glad to help.

316SS Line Vac Conveyors

Back in 1996, EXAIR introduced Line Vac as the new low cost way to convey all sorts of materials. Since that time, we have designed many variations of the standard Line Vac as shown in our catalog or on the web site. Some have become complete product lines such as the Threaded Line Vac that converts ordinary plumbing pipe into a complete conveying system or the Light Duty Line Vac ideal for short distance conveying. EXAIR frequently modifies a design so the product will work for a customer's specific application.



A Model 6062-316 Stainless Steel Line Vac transports tablets from a storage container to a packaging machine.

Our latest addition is the new 316SS Line Vac, commonly used to convey foods, pharmaceuticals, and corrosive materials. This conveyor is manufactured of Type 316 stainless steel that offers better corrosion resistance. One area where this is important is sanitizing. Chloride solvents (such as bleach) are inexpensive and commonly used as cleaning agents for surfaces that come in contact with food or pharmaceutical products. Type 316 stainless steel will not pit and corrode like Type 303.

Would you like to know more about Line Vac? **Visit www.exair.com or mail the enclosed postage-paid card for your FREE copy of our 96 page Catalog 18.**

Be The First To Know!

You can be the first to know as new things happen at EXAIR (new products, special promotions, catalogs, performance enhancements, etc). Provide your e-mail address on the enclosed postage-paid card and mail it today, or subscribe on our web site at www.exair.com. We'll be happy to e-mail you when new information becomes available. Of course, you can unsubscribe at any time and we will never disclose your e-mail address to any third party.



Application Spotlight: Eliminating Messy Coolants



The Problem:

A machine tool manufacturer had a problem milling cast iron parts for their machines. When cast iron is machined, it creates a powder instead of the chips or shavings generated by other metals. In this case, liquid flood coolant combined with the powder to form a mixture similar to fast setting cement. This mess caked to the machine and had to be chiseled off the surface. Dry machining was not an option due to reduced machining rates and speeds.

The Solution:

The manufacturer replaced the flood coolant system with a **Model 3825 Adjustable Spot Cooler System** that kept the tool cool while blowing the powder away from the machined surface. Production rates stayed the same, tool life improved and hours of machine cleanup were eliminated.

Editor's Comment:

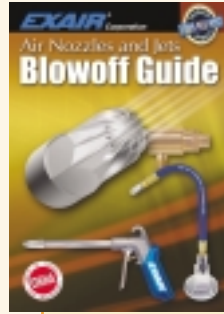
Many manufacturers choose not to work with cast iron due to the mess. Most are not willing to have the normal five to ten year life-span of their machine reduced to only two or three years. The Adjustable Spot Cooler temperature can be set from -30° to 70°F (-34° to 21°C) and comes complete with a set of generators so the airflow rate can be increased as required by the application. In addition to machining cast iron, it is ideal for setting hot melts, cooling plastics, adjusting thermostats and more.

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.



Free Blowoff Guide

EXAIR's "Air Nozzles and Jets Blowoff Guide" provides engineered solutions to a variety of blowoff, cooling, cleaning and drying applications. For your **FREE** copy, simply check the block on the enclosed postage-paid card or visit the following unique web address www.exair.com/guide.htm to complete the mailing form. We'll send yours right away.

Application Checklist

In each newsletter, we summarize a few recent problems solved with an EXAIR product. Please call our Application Engineers at **1-800-903-9247** or contact them at techhelp@exair.com for help with yours.

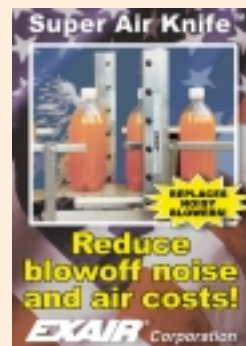
- Prior to forming knee braces, a manufacturer of orthopedic supports eliminate plastic fines from the cut material with a **Model 111212 12" (30cm) Super Ion Air Knife**.
- A manufacturer of decorative automotive components upfit an existing parts washer with **Model 6034 4" (102mm) Stainless Steel Adjustable Air Amplifiers** to eliminate water spotting.
- To eliminate heat related failures of a kiln moisture control, a lumber manufacturer cools the moisture control sensor with a **Model 4708SS NEMA 4X Cabinet Cooler System**.
- After the jacket is extruded around the fiber optics, the manufacturer cools the cable in a water bath, then dries it with the **Model 2402 2" (51mm) Super Air Wipe**. Previously, they used a pipe with holes drilled in it that was loud and consumed a lot of air.

Low Cost Super Air Knife

Energy use is comparable to a blower without the costly maintenance or downtime.



Dry • Blowoff • Cool • Clean



EXAIR's compact Super Air Knife provides a uniform sheet of laminar airflow with hard-hitting force for drying, blowoff, cooling and cleaning applications. Compressed air consumption is 1/3 that of typical blowoffs.

- Quiet - 69 dBA at 80 PSIG
- No moving parts to wear out
- Reduce operating costs 40-90%
- Many stock sizes in aluminum and stainless steel



For more information, see **Catalog 18** or contact an Application Engineer at **1-800-903-9247**.