EXAIR®-MAIL
TECHELP 1-800-903-9247 DIRECT
Number 82 NEWS YOU CAN USE FROM EXAIR CORPORATION Winter 2009-2010

Cold Weather = Static Electricity Problems

Most of the country has been hit by record cold temperatures this winter. The consecutive cold, dry days can take its toll on your production. Manufacturing processes that have run smoothly can stop abruptly due to jamming, tearing, dust attraction and static cling.

EXAIR's new Static Eliminating Blowoff Station delivers a concentrated flow of ionized air to neutralize static electricity and clean the part prior to packaging.

EXAIR manufactures a complete line of static eliminators that are suitable for a wide variety of industrial processes. The Super Ion Air Knife is the most popular since it provides a sheet of ionized air that can quickly eliminate a charge over long distances (like sheet fed materials and high speed webs). The Ion Air Cannon, Ion Air Gun, Ion Air Jet, Stay Set Ion Air Jet, and new Static Eliminating Blowoff Station provide a focused airstream for hard to reach spaces. All are adjustable from a "blast" to a "breeze".


Watch the demo!
www.exair.com/05/sevideo.htm

Would you like to know more about the causes of static electricity and how to prevent it? EXAIR has a brief video that demonstrates static charge build up, how to measure it, and the products used to eliminate it.

If you have an application you would like to discuss, please contact an Application Engineer at **1 (800) 903-9247** or by e-mail at **techelp@exair.com**. They'll be glad to help!

Chip Trapper™ Cleans Contaminated Coolant

Coolant that used to last only 6 weeks can now last 6 months when using the Chip Trapper.

Machine shops are notorious for keeping production running while putting off the coolant maintenance. For most, clean up becomes the priority only when the coolant nozzles get clogged up with chips or when the coolant gets rancid and smells so bad that the operator won't get near the machine. The reality is that coolant typically lasts about 6 weeks, and nobody wants to lose the half day of production that it takes to shovel the chips out of the sump and clean the machine.


Watch the demo!
www.exair.com/05/ctvideo.htm

EXAIR's new Chip Trapper provides a fast, easy way to clean up the coolant and make it last 6 months or more! It offers a fast, easy way to remove solids such as chips, swarf and shavings from used coolants and other liquids. The Chip Trapper vacuums up the contaminated liquids full of solids and debris, and then, with the simple turn of a handle and knob, the only thing that pumps out is the cleaned liquid. Chip Trapper is ideal for use on machines with sumps, parts washers, pits, tanks and storage containers. It quickly pays for itself since there is less coolant to purchase and that results in fewer disposal fees!

Request Your FREE Catalog 23

Do you want to know more about the Chip Trapper and other new EXAIR products? Simply return the enclosed postage-paid card for your FREE copy of the NEW Catalog 23 or visit **www.exair.com/catalog.htm.**

EXAIR Corporation
Manufacturing Intelligent Compressed Air® Products Since 1983
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Please see other side

Application Spotlight:

Robot Assisted Part Blowoff

The Problem:

A manufacturer of automotive assemblies had a problem blowing the chips and debris off a number of their parts following a machining operation. The parts that vary in dimension and configuration were removed from the machining center by a robot, then, passed under an array of air nozzles. This did a fine job of blowing the contaminants off some parts but didn't provide the uniform coverage to accommodate the variety of part configurations. As a result, the chips and debris remained on most of the parts. To no avail, an operator had to then manually clean them by using an air gun. The process was no longer completely automated, and the cycle was slowed dramatically.

The Solution:

They installed a **Model 110018 18" (457mm) Super Air Knife** to blow away the chips and debris. At the completion of the machining process, the robot passes the part under the uniform sheet of the Super Air Knife. **The parts are now completely clean and human intervention is no longer required.**

Editor's Comment:

The Super Air Knife was the logical choice since it provides a hard-hitting sheet of laminar airflow across the entire 18" (457mm) length. **To increase the effectiveness and accommodate the variation in part size, they also installed EXAIR's Model 9060 Universal Air Knife Mounting System,** making it fast and easy to change the position of the Super Air Knife.

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.

How Do Others In Your Industry Do It?

Would you like to see how others in your industry have solved a specific problem? Go to www.exair.com and use the "Application Search" located on the right side of the screen. The web site has close to 1000 applications that are searchable by industry!

New Application Checklist

Since 1983, EXAIR products have solved many common industrial problems. Please contact an Application Engineer at **1 (800) 903-9247** or email them at **techelp@exair.com** for assistance with yours.

- To eliminate customer complaints about the appearance of their finished packages, a manufacturer of die cut foam packaging installed a **Model 110006 6" (152mm) Super Air Knife** to blow away the fines and debris after it is cut.
- A manufacturer of custom machined PEEK plastic parts uses the **Model 5315 Cold Gun with Dual Point Hose Kit** to cool the cutting tool (prolong tool life) and to cool the part (prevent heat related warping and damage).
- A manufacturer of seamless, metal tubing washes the tubing after it exits the die, then dries the surface using the **Model 2404 4" (102mm) Super Air Wipe** so it can be labeled and ink jetted.
- A manufacturer of camera vision systems installed a **Model 3230 Vortex Tube** on a camera housing (located near a furnace) to keep the camera from overheating.

EXAIR Blows Away the Competition!

EXAIR's 2" Super Air Nozzle	Theirs (Old Technology)
» 2004 Product Of The Year Winner	» Can consume over 30 SCFM
» Flexible Stay Set Hoses™, swivel fittings and magnetic bases are available	» No easy adjustment – wasted compressed air
» Meets or exceeds OSHA standards	» May not be OSHA safe
» Quietest flat nozzle available	» Significantly louder
» Easy to change the force and flow	» Plastic is easily broken
» Your choice of zinc/aluminum or Type 316 stainless steel	» Expensive – metal or plastic

To learn more go to: www.exair.com/05/412.htm

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