

New Offerings From EXAIR

EXAIR's new Catalog 33 is our best catalog yet; a full color technical guide offering solutions to common industrial conveying, cooling, cleaning, blowoff, drying, coating and static electricity problems. The greatly expanded Catalog 33 introduces new VariBlast® Precision Safety Air Guns, the Intellistat® Ion Air Gun, Liquid Atomizing Spray Nozzles, and the EasySwitch® Wet-Dry Vac. A best practices section for using compressed air products has also been added.

Visit our new website to learn more or chat with one of our Application Engineers.

- * **VariBlast Precision Safety Air Guns** allow you to use just the flow you want with trigger control. They are lightweight, ergonomic, comfortable and have three extension lengths available.
- * **The Intellistat Ion Air Gun** is built for laboratories, scientific testing, clean processes and sensitive assembly work.
- * This catalog also introduces **FullStream** and **HollowStream Liquid Atomizing Spray Nozzles** in a full or hollow cone spray pattern that are used to cool, wash, rinse and suppress dust. These 303 stainless steel, durable and corrosion resistant liquid spray nozzles work with many liquids.
- * The **EasySwitch Wet-Dry Vac** changes from liquid mode to dry mode in less than 10 seconds with no tools, springs or hardware.



EXAIR products help companies conserve compressed air, reduce dangerous noise levels and increase safety for personnel. Detailed technical explanations, performance data, application photos and dimensional drawings are provided for each product. A price list is also included.

EXAIR prides itself on its service, knowledge and expedience when providing solutions for our customers' processes.

Unsure of the best way to handle a problem or wondering if our products can help? EXAIR has a team of Application Engineers here to personally walk through the problem with you and work together to come up with the best solution.

Need to solve a problem fast? EXAIR ships stock products same day if ordered by 2pm to help diminish downtime. Most of all, EXAIR is dedicated to providing unmatched customer service. We believe in providing a personal touch and helping our customers solve their problems in the quickest way possible.

Order EXAIR's new Catalog 33 to receive 224 pages of quality compressed air products guaranteed to help improve manufacturing problems of all shapes and sizes.

Visit the site and download or request Catalog 33 today! Go to https://exair.co/05_cat33 to learn more.

Super Air Knives Rescue Band Saw Operation

To effectively remove the large volume of chips generated during operation of a new high speed band saw.

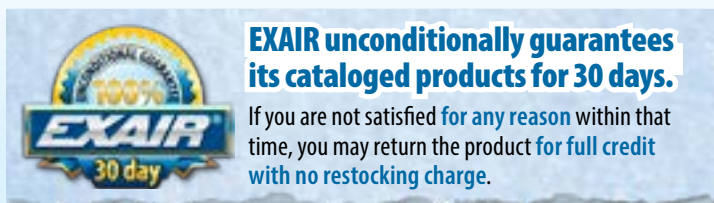
BEFORE EXAIR: A large metal manufacturing company purchased an industrial band saw for high volume aluminum cutting. While the saw itself, and the carbide-tipped blade, were capable of operation at the manufacturer's rated speed of 1,250 feet per minute, the saw's rotating chip brush could not keep up with the large amount of coolant-soaked chips that were generated. This presented several problems:

- * **Clogging of saw blade teeth, which caused overheating & rapid material degradation (dulling) of the blade.**
(4) blades were replaced during the first week, at a cost of \$270.00 per blade (\$1,080.00 total).
- * **Ingress & contamination of the pulley bearings, leading to early failure.**
The bearing replacement, also during the first week, cost \$100.00 in parts, and the saw was out of operation for (3) days waiting on parts and complete disassembly/reassembly of the drive.
- * **Accumulation of chips in the saw's pulley chambers, necessitating frequent work stoppage to clean out.**
Operators were spending two hours per day in cleaning time.

Continued operation under these conditions was not sustainable and use of the new saw could not continue unless a way to successfully clean the high-speed blade was found.



AFTER EXAIR: Two **Model 110003 3" Aluminum Super Air Knives** were installed; one on each side of the blade to allow for easy installation and precise positioning in the limited space available. The high velocity laminar airflow completely strips all coolant and chips from the blade and into the saw's catch pan, thus maintaining a clean blade, pulleys and bearings.



EXAIR.com

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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.



Blowing Off Coolant from a Robotic Arm

A metal forming producer used a **Model 120022 2" (51mm) Super Air Amplifier** to blow off coolant drag-out from robotic arms. They tried using fans unsuccessfully. The Super Air Amplifier effectively provided a solution and improved safety by eliminating slippery floors that occurred when the robotic arms carried coolant out of the forming machines.

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



Getting Out of a Jam with a Line Vac

The customer is in a big hurry to source a piece of equipment to unload plastic pellets from a large container truck, up and into a main silo to feed his injection molding machinery. The customer needs about 1000 lbs./hr. transfer rate into the main silo. There was no other reasonable way to get the plastic pellets transferred to the silo and a quick and dirty solution was needed, with emphasis on the quick turnaround. A **Model 6084 2" (51mm) Aluminum Line Vac** was purchased to get them out of a tight spot and get the job done.

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



Removing Static Eliminates Print Quality Errors

Customer is a distributor for packaging equipment and sells a line of ink jet marking equipment. They have experienced static, causing print quality errors and also shutting down the electronics of the printer head. The **EXAIR Model 8494-9362 Stay Set Ion Air Jet Kit** was recommended for installation near these ink jet printer heads to eliminate the static and remove the problem from the process.

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

EXAIR
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