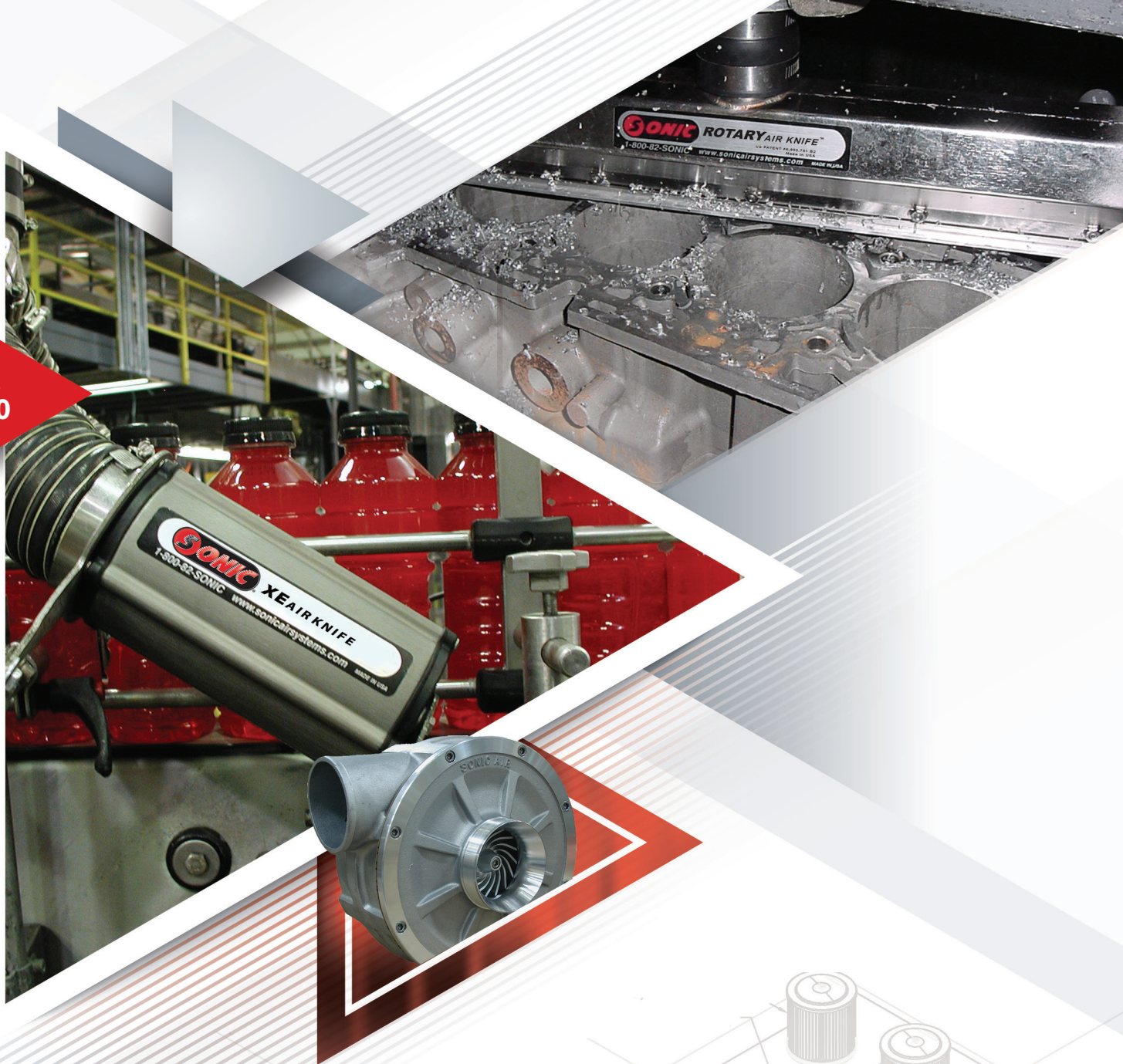


EST.
1990



Corporate Brochure

Saving Energy Worldwide...one PSI at a time™



Company Profile

Sonic Air Systems services all sectors of the manufacturing industry worldwide, providing Engineered Blower and Air Knife Solutions. We manufacture an entire range of blowers, air knives, enclosures, HEPA filters and other accessories used in drying/liquid blow-off, cooling, heating, coating control, static control and a wide array of applications in air/gas handling. Sonic Air is your engineering resource and one-stop shop. Since our founding in 1990 we have provided tens of thousands systems and solutions to thousands of customers around the world.

Saving Energy Worldwide...one PSI at a Time™



Service

This extensive customer base invariably requires service and technical support. Over the past three decades Sonic Air Systems, headquartered in Southern California, USA has established an extensive international sales and technical support network. Sonic has built the infrastructure to support not only our customers, but also our customer's customers – especially original equipment manufacturers. When an OEM integrates Sonic Centrifugal blowers into their systems they are secure in the knowledge that a Sonic distributor is close by in many parts of the world to provide service, and lend technical assistance in the local language. Far from being only equipment providers, our reps and distributors are also there to assist with process improvements and new applications and challenges.



Solutions & Innovations

Sonic Air Systems has grown to be recognized as one of the 500 fastest growing companies in America. This was achieved by building a loyal customer base with an emphasis on:

Guaranteed results on any system quoted by Sonic

We work closely with you to determine your exact requirements. We make your Sonic system work or we take it back.

Shortest fulfillment time in the industry

Not surprisingly, when our customers discover what we have to offer, they want it now. Our expertise in supply chain management enables us to offer 5 day lead times on systems when comprised of standard Sonic equipment.

Product Revolutions

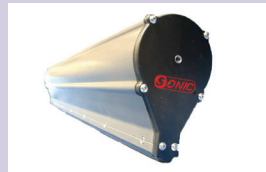
Sonic has set the standard for the Blower & Air Knife Industry with more "first of their kind" inventions.

- **Sonic 20,000 RPM Auto Belt Tensioner**
- **Sonic XE Air Knives for 95% Efficiency**
- **Sonic Compact Filter/Silencer with Vacuum Gage**
- **Sonic In-Line HEPA Filter to 1,000 CFM**
- **Sanitary Air Knives for Food and Medical**
- **Rotary Air Knives for complex parts drying**
- **Modular Air Knife Tunnels from 2 – 12 feet**

3-50HP Sonic Blowers



The XE Sonic Air Knife



Heaterless Hot Air Tank Drying to 200°F+



Modular Air Knife Tunnels



HEPA Filters for Medical & Food



Just a Few of the **Industries** relying on Sonic Solutions



AIR & GAS HANDLING

From gas extraction for landfills to exhausting gas from the refining process to shipboard air inflation of rapid deployment oil spill containment booms to remediation of sites contaminated by leaking underground storage tanks to truck mounted vacuum systems for faster concrete surface preparation, Sonic is providing the turn key Engineered Solution. Wherever pressure or vacuum are required, Sonic has a proven solution for our customer's needs.



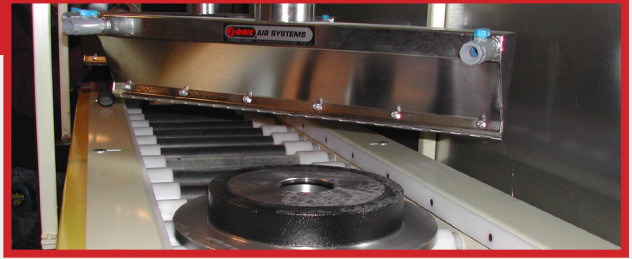
BEVERAGE

Since our founding, the beverage industry has been an application staple for Sonic's line of bolt on drying systems which now feature retrofit moisture containing enclosures. Our Engineered Blowers & Air Knives are designed to ensure that today's groundbreaking labeling, and packaging technology is not compromised by external surface water. For line speeds from 100 to 2,000 CPM, Sonic guarantees that there will be no moisture related issues prior to the next process.



FOOD

Food processors and packagers adhere to strict production processes that require that their production lines run faster, occupy less space, be cleaner, have more flexibility and operate more efficiently than ever before. Sonic's engineered blower & air knife solutions are compliant with the strict requirements set forth by the 3A Sanitary Standards and we provide our customers with high-grade stainless-steel options which utilize HEPA filtration. Our equipment is wash down safe and capable of being thoroughly cleaned.



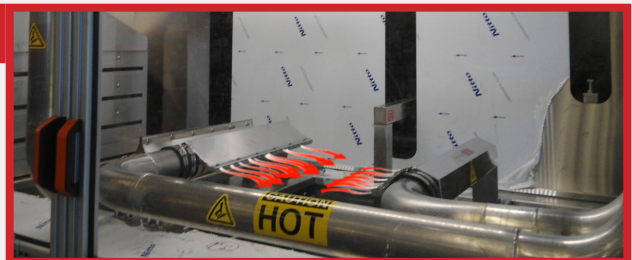
AUTOMOTIVE

Sonic has designed Engineered Blower & Air Knife Solutions for use in nearly every phase of the automotive manufacturing process. With ever increasing quality, production speed, automation and focus on environmental stewardship, the need for energy efficient removal of water-based liquids used in machining, cleaning, cooling, plating and painting processes has never been greater. Sonic Blowers produce high velocity air combined with our air knives and manifolds to deliver repeatable drying results of geometrically complicated shapes and surfaces



ENTERTAINMENT

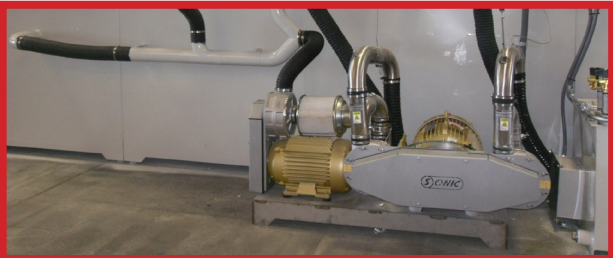
Entertainment venues/theme parks have relied on Sonic's engineered solutions to assist with the visual enhancements of various ride effects, supply advanced FX simulations during ride control, use in flight deck simulators, and for the occasional "piranha" underwater effects for movie studios. We provide on-site and technical engineering for special projects to the entertainment industry utilizing our compact, adjustable equipment which is easily adaptable while also being reliable.



HEATING & COOLING

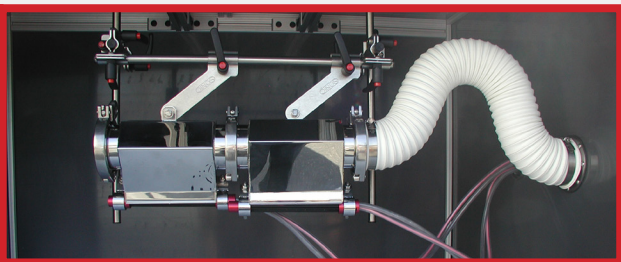
A Sonic air knife system can accelerate radiant parts cooling (air quench) in situations where a liquid quench is not acceptable and low velocity fans are not meeting the need. Rapid air cooling of the parts can help stabilize the structure, reduce conveyor lengths and facilitate operator handling or other subsequent processing of such products.

Sonic Air patented a revolutionary, one of a kind, design which generates heated air using Sonic's recirculating adiabatic hot air cycle thereby eliminating any traditional heat source. The result is high volumes of pressurized blower air at 125°F to 275°F (50°C to 135°C) at an average of 50% lower total energy versus any other type of fan or blower which requires an in-line heater with electric elements, steam coils or a live flame burner.



INDUSTRIAL

The industrial market is wide ranging and involves numerous processes which require a consistent and repeatable drying or blow-off solution. From table-top conveyors, Powder coating lines, Plating tanks, Overhead conveyors, High-speed production lines, Paint lines, Mixing tanks, Metal form and fab as well as many others Sonic has a clear understanding of the challenges and opportunities for both drying improvement & efficiency throughout the manufacturing industry. Our systems operate on average 75% more energy efficient than a comparable compressed air system which translates to a rapid return on investment.



STATIC & DEBRIS

Applications that deal with static and debris build up require specialized equipment and a multi-stage approach. Sonic's engineering professionals examine production rates, application complexities as well as local air quality management criteria when we provide systems to remove debris or statically charged particulate. Our systems feature ionizing bars mounted to the exit of our air knives which provide static control for our blow-off equipment. In addition, we provide modular tunnels with exhaust ports so that airborne particulate is contained and collected as it is expelled from the surface of your product. At Sonic we understand the challenges of removing dust/debris as well as the dangers that exist if that debris is not collected properly.



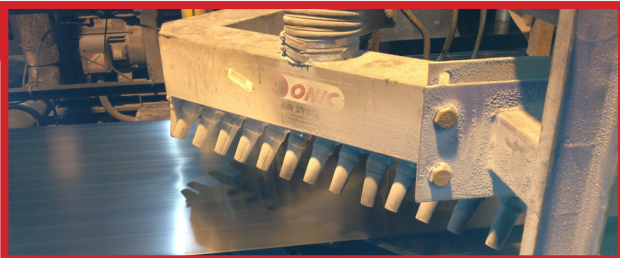
WIRE & CABLE

Extruded wire and cable that passes through cooling troughs or water baths creates a unique drying challenge. As the speed of travel increases and the variety of diameters running on the same extruder multiplies the provided drying system must be versatile, quiet and deliver a dry product. Sonic has developed our wire dryers with sound dampening enclosures which reduce operating noise while also capturing removed water. Our systems are designed for multiple ranges of wire diameter and our equipment can dry wire traveling at a maximum of 5,000 feet per minute.



MEDICAL & PHARMACEUTICAL

Manufacturing and packaging of medical devices and its related components demand that our equipment operate in sterile environments with precise particulate level guidelines while also keeping the operating noise under 75db. Sonic's air engineering department has designed our equipment with high-grade stainless-steel components which paired with our industry first inline HEPA filter ensures that our solutions are not promoting the growth of harmful bacteria and other toxins. Utilization of a Sonic stainless-steel blower enclosure with noise cancelling panels allows for installation near operators and other personnel. After a complete analysis of the product, the level of drying required, what noise level we need to operate under and the appropriate in-line air filtration, Sonic will design a specific system for our customers application.



METAL FINISHING

Metal finishing is a complex industry with a wide array of parts that need to be dry at various stages during the production process. Sonic has successfully installed numerous systems for the metal finishing industry with a focus on adjustability, energy reduction and handheld drying performance. Our successes include exterior drying, heat retention, increased production, elimination of coating defects, elimination of chemical and moisture drag out, as well as a decrease in the demand for labor. In a diverse industry with multiple challenges Sonic is the solution provider with the engineering knowledge and experience to develop guaranteed systems.



CUSTOM

HYDRAULIC POWERED VACUUM BLOWERS

Sonic Air Systems is routinely designing blowers and air knife systems for use in applications where no other company has gone before. As the only company in our industry with patented products we focus on air engineering as well as delivering complete turnkey drying and blow-off systems. With nearly 100,000 installations throughout the world we specialize in designing, engineering and implementing guaranteed custom equipment. With our wealth of application engineering experience, we pride ourselves on developing new solutions.



Sonic Environmental Impact

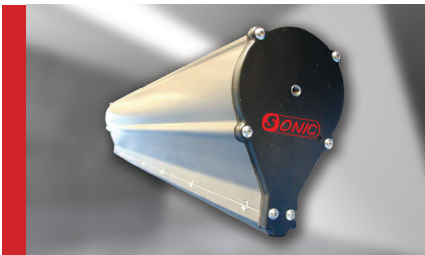
As a California manufacturing company since 1990, Sonic Air Systems has supported many of the world's most stringent environmental protection standards. We are most proud of the contributions which Sonic has made towards our customer's own health, safety, efficiency and environmental stewardship objectives through the use of Sonic's engineered blowers and air knife solutions. Some of Sonic's most notable projects and products having wide reaching environmental benefits are listed below



The 1987 Montreal Protocol, signed by 200 countries, mandated the worldwide phase out of chemicals which damage Earth's upper atmospheric ozone layer. Since our founding in 1990 Sonic's Air Engineering created a line of Centrifugal Air Blowers and Air Knife systems that have been "the gold standard" for the PCB industry as the most effective drying solution for the new water based cleaning technology used in all circuit board washers. Today, Sonic air blowers and air knife drying technology are vital to a wider range of manufacturing processes where water or water based solutions have replaced volatile organic compounds in cleaning, coating, painting and other processes.



The U.S. Oil Pollution Act of 1990 was enacted in response to the 11 million gallons of crude spilled during the Exxon Valdez accident in Alaska in 1989. In 1991 Sonic was contracted to develop a light-weight marine duty ship-board hydraulic motor driven air blower for rapid inflation of the thousands of feet of inflatable oil containment booms which can be deployed from each ship so that surface oil can then be vacuumed up.



In 1994 Sonic Air invented the XE (eXtra Efficiency) Air Knife, which is the world's first single piece extruded aluminum profile with an aerodynamic efficiency of 95% (0.95 coefficient of discharge) adjustable slot. This innovative air delivery design has been the standard of the air blower driven air knife industry ever since. The Sonic XE air knife product group has expanded to over 100 design variations and materials of construction to accommodate the growing complexities and production speeds of every industry. The XE Air Knife now allows customers in every industry to replace compressed air blow off with 75% energy savings.



Sonic Air patented the world's first and only heater-less Hot Air Blower to produce 150°F to 275°F of high volume, high velocity air to provide forced convective drying. Sonic's design has no components with a temperature greater than the actual discharge air itself, requires no live flames, has no 1200°F electric elements and uses no superheated steam coils. Unlike all other 50+ year old technologies that require a fan or blower combined with an electric heater, gas burners or steam heat exchanger, a Sonic Hot Air Blower relies solely on regenerated blower air to deliver "intrinsically safe" heated air at 50% energy savings versus any other conventional blower & heater equipment.



Many of today's power generating technologies have the smallest carbon footprints ever achieved but, they still require Sonic's air engineering to help deliver the most efficient and effective manufacturing of their components. Sonic's contribution to photovoltaic cell manufacturing starts with our high temp gas boosters used in the closed loop circulation of 400°F nitrogen to achieve rapid vacuum furnace cooling cycles following each polycrystalline decomposition process. Once the PV substrate reaches the solar panel assembly plants, Sonic blowers and air knives are the preferred choice for drying panels during the conveyorized etching and cleaning phases.



Global Offices



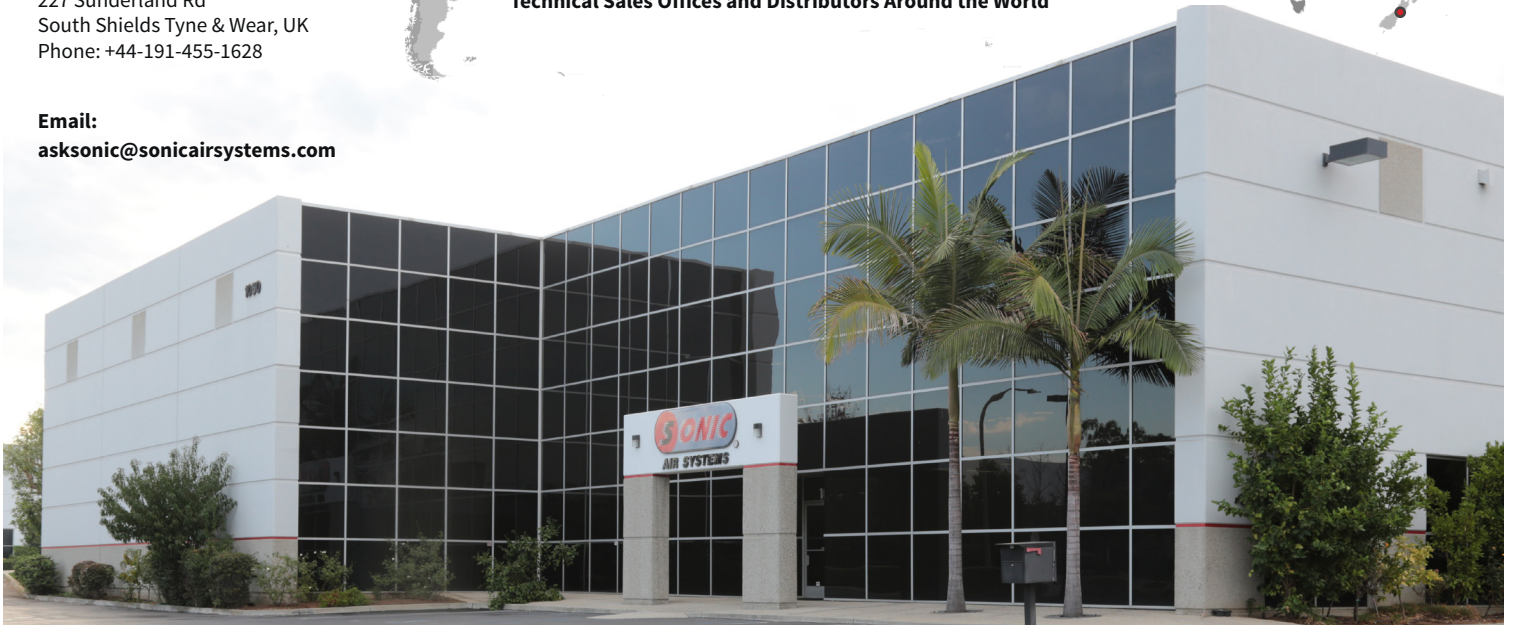
★
USA Headquarters
1050 Beacon St
Brea, CA 92821
Phone: +1-714-255-0124
Fax: +1-714-255-8366
Toll Free: 1-800-82-SONIC (76642)

Website:
www.sonicairsystems.com

★
Europe Office
227 Sunderland Rd
South Shields Tyne & Wear, UK
Phone: +44-191-455-1628

Technical Sales Offices and Distributors Around the World

Email:
asksonic@sonicairsystems.com



Business Card Area

USA Headquarters
1050 Beacon St
Brea, CA 92821
Phone: +1-714-255-0124
Fax: +1-714-255-8366
Toll Free: 1-800-82-SONIC (76642)

Website:
www.sonicairsystems.com

Europe Office
227 Sunderland Rd
South Shields Tyne & Wear, UK
Phone: 011-44-191-455-1628
Fax: 011-44-191-427-1994

Email:
asksonic@sonicairsystems.com