

NONWOVENS INDUSTRY

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Machinery and Equipment Review

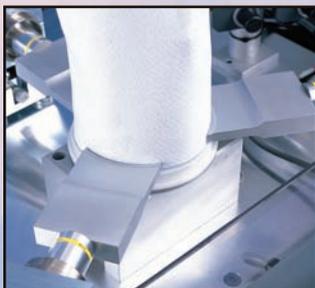
The Medical Market • *Focus On: Emerging Markets*

Sonobond Ultrasonics' SeamMaster™
as featured on the August 2006 cover
of Nonwovens Industry magazine



We're helping
to keep the
environment
safe for Freddie.

Sonobond ultrasonic bonders are used to assemble the tough, reliable filters that help oil pipelines run safe and clean.



Filter manufacturers know they can count on Sonobond ultrasonic bonders for maximum performance, exceptional reliability, and outstanding cost-effectiveness.

That's why Sonobond technology plays a critical role in assembling the pipeline filters so important to protecting the environment. Sonobond bonders are also used in assembling HEPA-rated filters, automotive air filters, vacuum bags, pool and aquarium filters, and for a wide variety of other commercial and industrial applications.

Sonobond's technology lets you cut and seal *in only seconds*. It creates a strong, reliable bond in one pass—*without* using thread, adhesives, or other consumables. Sonobond bonders can even accommodate multiple layers and various thicknesses of filter material. Although they require only minimal training to operate, these versatile bonders are *up to ten times faster than traditional sewing and bonding methods*. In short, Sonobond welders and sealers can help increase production efficiency while lowering assembly costs.



To learn more about our complete line of high-performance bonders—or to arrange a free Ultrasonic Viability Test for *your specific filter application*—let us hear from you today.

SONOBOND®
ULTRASONICS

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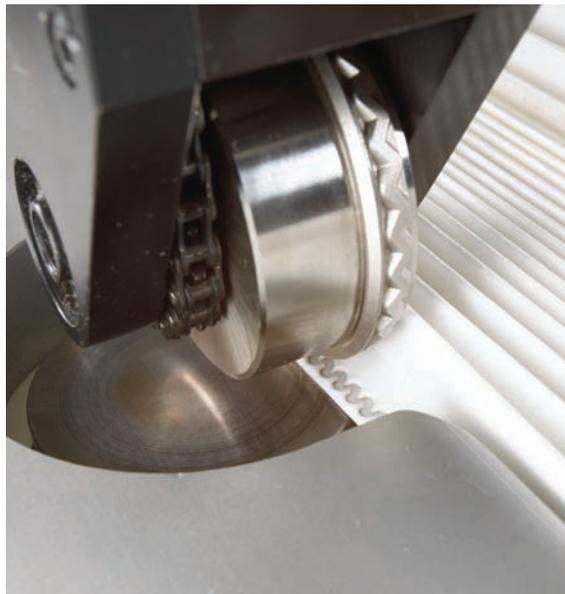
SONOBOND

www.sonobondultrasonics.com

Demand is increasing for West Chester, PA-based Sonobond Ultrasonics' textile bonding and converting equipment used in the filtration industry. Known as the SeamMaster™ series, these ultrasonic units have been reconfigured for specific applications in the assembly of industrial and commercial filtration devices.

Sonobond's best-selling SeamMaster ultrasonic textile bonding system has been used for medical and hygiene textiles, automotive interiors, mattress covers, apparel and much more. Now filter manufacturers are using the SeamMaster equipment to cut and seal nonwoven material used in the assembly of filtration products for swimming pools, aquariums, industrial and commercial vacuum bags, oil absorbers and automotive air filters.

The SeamMaster is designed



for continuous operation at speeds up to about 60 feet per minute, depending on the filter media. Equipped with a special guide and tooling, the SeamMaster can be used to bond pleated filter media at speeds of approximately 20 feet per minute. The SeamMaster is available in modular form for integration into handling equipment for high volume products such as vacuum cleaner bags.

About Sonobond

Sonobond Ultrasonics Inc. is a leading manufacturer and provider of ultrasonic machinery for cutting, welding, and bonding nonwovens, synthetic textiles, plastics, and metals.

As a pioneer in the development of ultrasonic technology with over 150 patents, Sonobond offers technological expertise in applying its broad range of systems and equipment for use in the manufacturing sector. The company's ultrasonic solutions are widely used in apparel, automotive, appliance, electronic, filtration, home furnishing, medical disposable, packaging, and many other applications.

Headquartered in historic West Chester, Pennsylvania, Sonobond is easily reached from the Philadelphia airport, I-95, and the Pennsylvania Turnpike.

A History of Leadership in Ultrasonic Technology

Sonobond was the trade name for the first ultrasonic metal welding machine developed and patented in 1960 by Sonobond under its former name of Aeroprojects Inc. The wide acceptance of the innovative welding process led to the decision to change the company name to Sonobond Ultrasonics Inc.

Through product innovation and development for more than forty-five years, Sonobond's welding expertise has grown to encompass plastics and nonwovens/textiles as well as metal. Today, Sonobond is the foremost provider of ultrasonic bonding equipment for the engineered fabrics and apparel industries.

Ultrasonic Technology

Ultrasonics involves the creation and channeling of high frequency vibratory waves to quickly weld or cut materials. These ultrasonic vibrations cause a rapid buildup of heat in nonferrous metals, rigid plastics, or synthetic fabrics. Depending on the design of the head used, the heat welds, bonds, cuts, or slits the materials as desired. The ultrasonic bonding or welding process is fast, accurate, and energy efficient and requires no adhesives or other consumables.

Products and Services

Sonobond's Applications Specialists work with customers to furnish welding solutions and improve product quality and plant productivity. Sonobond offers free application evaluation, material recommendations, joint design review and, where feasible, preliminary bonded samples.

Sonobond's equipment is available in stand-alone as well as modular form and can be easily integrated into automatic feeders, conveyers, rotary tables, pick-and-place units, and web handling systems. In addition, Sonobond can fabricate tooling, horns, and nests to meet application requirements.

For additional information, please visit Sonobond online or call the toll-free number below.



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