

The logo for Sonicor features a stylized 'S' icon on the left, composed of two overlapping semi-circles. To its right, the word 'Sonicor' is written in a bold, sans-serif font. The letters 'o', 'i', and 'o' in 'Sonicor' have a small dot above them. Wavy lines are positioned above the 'i' and below the 'o's, suggesting sound or water. The entire logo is rendered in a metallic, gold-like color.

**Sonicor**

**Dependable ULTRASONIC  
equipment for precision cleaning**

# Sonicor

*Innovation, Quality and Reliability ...  
Our Sonicor Corporate Tradition*

Since 1966, our commitment to quality products and customer service has earned for us the trust and loyalty of thousands of satisfied customers worldwide. Sonicor precision cleaning systems have successfully addressed the critical cleaning requirements of leading companies, in virtually every industry. This wealth of experience has provided our applications and engineering staffs with the unique qualifications to meet the needs of our customers, as cleaning requirements become increasingly critical.

Safety and environmental responsibility are key components of all Sonicor equipment. Today's increased awareness of environmental issues, and concern for employee safety indicate the need for a new approach to traditional problem solving. This new approach is evident in every Sonicor product.

From the initial application investigation and cleaning process development, to the equipment installation and startup phase of every project, Sonicor is committed to a single goal, that accounts for our large number of repeat customers. **\_complete customer satisfaction**

## **Sonicor Chemicals**



Selecting the proper chemistry is a critical part of every successful cleaning process. While many available cleaning agents address the characteristics of a particular type of contaminant or substrate material, they can often include components that actually inhibit ultrasonic cavitation.

Sonicor "Sonichem" cleaning agents are specially formulated for ultrasonic cleaning. "Sonichem" chemicals are available for virtually every ultrasonic cleaning application, to optimize the chemical aspect of the cleaning process, while enhancing the ultrasonic cavitation.

## **Products for productivity ...**

The Sonicor "S" and DS series combine the rugged reliability of Sonicor generator technology, and piezoelectric composite transducers, in a compact, tabletop ultrasonic cleaner, for unmatched performance and reliability. The units are available in capacities from 1/4 gallon (1liter) to 10 gallons (39 liters). A complete line of options and accessories, including heaters, timers, digital controls, covers, baskets and insert trays, is offered to suit every application.



The Sonicor BandScanner Series is the benchmark for Cleaning efficiency and reliability among ultrasonic tank/generator systems.



With standard tank sizes to 60 gallons, and a wide range of available operating frequencies, these heavy-duty units can handle any industrial ultrasonic cleaning application, and withstand the harshest industrial environment. The "BandScanner" sweep frequency ultrasonic generator is available with a full range of control options and a digital output power meter, to assure process consistency in critical cleaning applications.

Larger systems, equipped with Sonicor Immersible transducers, offer the superior performance and reliability of the "BandScanner" sweep frequency technology in custom fabricated tanks, designed for applications requiring more tank volume than our available standard tanks.

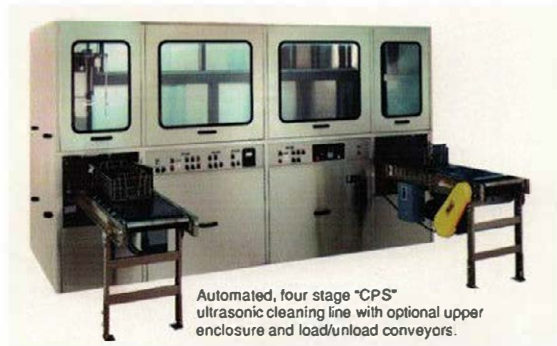


## **Technology for reliability**

To prevent damage from uncontrolled loads, our "BandScanner" generator has robust MOSFETS and an elaborate snubbing network in the output stage. Ultrasonic signal generation is via an advanced mixed mode analog/digital integrated circuit and multiple interlocking feedback loops. These components stabilize center frequency and power output, and control the output stage's loading, increasing reliability and process repeatability.

## Automated Cleaning System

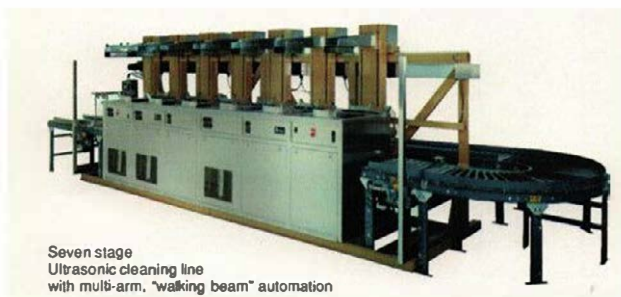
Sonicor multi-stage, aqueous cleaning systems provide all of the environmental and operator safety benefits of aqueous cleaning, with the efficiency and reliability of Sonicor high intensity, sweep frequency ultrasonics. In addition to the standard "CPS" and "SPS" series of three and four stage systems, custom engineered systems are available to address any application specific cleaning requirements. The Sonicor modular design allows for process flexibility, while minimizing the system footprint. Available Sonicor automation systems assure process consistency, with user programmable control systems, to operate and monitor critical process devices and functions.



Automated, four stage "CPS" ultrasonic cleaning line with optional upper enclosure and load/unload conveyors.



Four stage "SPS" ultrasonic cleaning line with Sonicor "RCT" automation



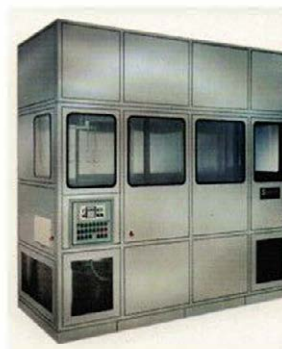
Seven stage Ultrasonic cleaning line with multi-arm, "walking beam" automation

## Immersible Transducer Systems



Retrofitting Sonicor ultrasonics into an existing Tank or process line is simplified using Sonicor Immersible transducers. Available in a full range of frequencies, power levels, standard and custom sizes, and mounting configurations, Sonicor immersible transducer systems offer the performance and reliability of Sonicor "BandScanner" sweep frequency technology.

## Vapor Degreasers



Sonicor offers a wide range of standard and custom-engineered vapor degreasing systems, for use with today's non-ozone depleting degreasing solvents. All Sonicor degreasers are designed to minimize solvent emissions and assure compliance with environmental regulations.

In addition to standard features, Sonicor systems are and many additional control features to limit solvent consumption while maximizing productivity and reliability.

**Sonicor**  
DISTRIBUTORS WORLDWIDE

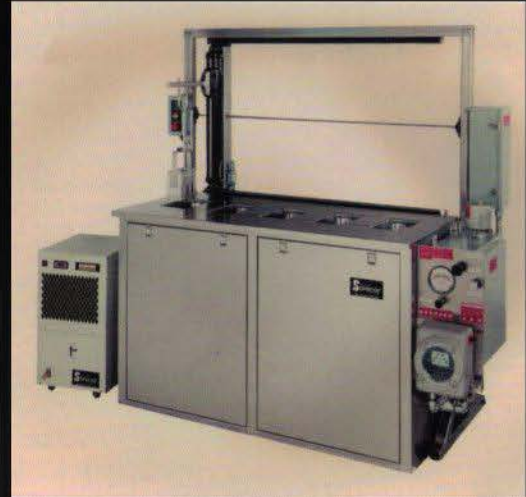
*From Small Table Top Units to Turn-Key Multi-Station Automated Industrial Systems.*

## Agitation Washers



Sonicator vertical agitation washers offer multiple cleaning technologies in a rugged, heavy-duty, parts cleaning system. For customers with heavily soiled parts, such as rebuilders & overhaul shops, these systems are available with Turbo manifolds, Oil separation systems, Filtration, and Sonicator "BandScanner" series sweep frequency ultrasonics, in addition to the standard vertical agitation.

## Hazardous Environments



When the use of low flash point cleaning chemistry is unavoidable, or when a parts cleaning operation must take place in a hazardous environment, Sonicator systems can be equipped with inert gas purging systems, intrinsically safe control devices, temperature control systems, and custom automation systems, to ensure safety in the workplace, while maintaining the unparalleled cleaning efficiency of Sonicator Ultrasonics.



**SONICOR INC.**

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