



# OMEGASONICS

Ultrasonic Cleaning Systems



**Cleaner Parts • Less Time • No Solvents**

# Why Ultrasound?

**It's efficient, clean, green and cost-effective.  
Most importantly, it works.**

## IT'S EFFECTIVE.

Ultrasonic cleaning technology is fast, gentle and extremely powerful. It uses microscopic cavitation bubbles and specially formulated eco-friendly solutions to search every crease and crevice and eliminate even stubborn or difficult-to-reach contaminants, including grease, dirt, hydrocarbons, metal shavings, buffing/polishing compounds, carbon deposits, mold release and more.

## IT'S BETTER FOR YOU, YOUR EMPLOYEES AND THE ENVIRONMENT.

Ultrasonic technology uses absolutely no harmful chemicals. No fumes. No strong odors. No dangerous or expensive chemical disposal. Reduced risk.

## IT'S EASY TO USE — NO HAND WASHING OR SUPERVISION REQUIRED.

The technology is remarkable, but the process is easy. More efficient and effective than chemical processes, the machines are as simple to use as a dishwasher, with no hand labor or supervision necessary.

## IT SHOWS ON THE BOTTOM LINE.

An investment in ultrasonic cleaners can save you up to \$1,000 per month — often paying for itself in as little as a year.



**A powerful cleaning solution is now as simple as soap, water and some mighty little bubbles.**

# How Omegasonics Can Help You



Get better technology and better value for a new age of industrial cleaning.

## 💰 SAVE MONEY.

With the efficiency of Omegasonics' ultrasonic cleaning technology, you save money every time you use it. Compared to the cost of spray solvents and toxic cleaning products, Omegasonics' water-based soaps and enzyme solutions are a bargain – saving you 70% or more in cleaning costs.

## 🕒 SAVE TIME.

With better cleaning technology comes savings in labor time and costs. Virtually no employee training is required before using Omegasonics machines, and even your toughest-to-clean parts and components come out of our tanks ready to install. You'll see an increase in production speed and employee efficiency since no supervision is necessary during cleaning and no hand wiping is needed to finish the job.

## 👍 SAVE WORRY.

You can rely upon Omegasonics' microscopic ultrasonic cleaning bubbles and rest easy knowing that dirt and grime is uncovered in every corner and crevice...and eliminated quickly, safely and thoroughly. You won't have to worry any more about potential faulty repairs or the possibility of missed build-up in a small groove of an intricate but critical component.

## 🌱 SAVE THE WORLD.

Omegasonics' non-toxic cleaning process uses biodegradable water-based solutions, all of which meet state and federal EPA guidelines. It's safer for your employees, giving you the peace of mind and cost savings that come with that assurance. But it's also safer for the environment, reducing the need for expensive and inconvenient disposal services.

## HOW IT WORKS



**Ultrasonic cleaning technology is created by generators that produce high frequency electricity. This electricity is then converted into sound waves through a transducer, which makes these waves vibrate.**

**As the waves travel through water, microscopic vacuum bubbles form and repeatedly implode upon any surface they encounter, removing even microscopic dirt particles – getting surfaces, grooves, cracks and even hidden crevices cleaner than alternative methods.**

# Industries We Serve



## INDUSTRIAL MACHINING & PARTS

Cleaning precision-machined parts to the highest standard requires an equal level of precision and a standard of technology that meets the challenge. Omegasonics gives you a cost-effective and chemical-free way to clean even delicate stainless steel and aluminum parts with only soap and water.



## AEROSPACE, MILITARY & FIREARMS

More than 35 state and federal agencies agree: whether you're restoring or maintaining, you can save time and money by trading costly and toxic petroleum-based cleaning solvents for eco-friendly, EPA-approved water-based solutions and replacing expensive outsourced cleaning services with fast, efficient in-house Omegasonics technology.



## MEDICAL, FOOD & DRUG

Ultrasound technology helps you meet strict industry safety and cleanliness guidelines, typically requiring hours of hand scrubbing and employee inspections, while also cutting costs and increasing productivity.



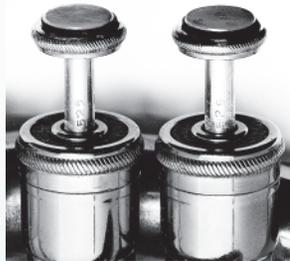
## AUTO, MARINE & POWERSPORTS

No more hand scrubbing or tedious disassembly required. Streamline the cleaning of automobile parts, ship and ferry components, diesel marine engines and outdoor powersports equipment. Maintenance and restoration of critical, high-performance components is more safely and quickly achieved with ultrasound versus manual methods – without breaking down complicated systems, dissolving seals or damaging gaskets.

# Industries We Serve

## MUSIC & ENTERTAINMENT

Raise the level of your art – or help make an artist very happy and productive – by gently and quickly cleaning, maintaining and restoring delicate industry pieces, including musical instruments. Clean even intricate instruments in one-fifth of the time it takes with traditional methods.



## UTILITY

Many major utilities companies across the country are already helping prevent unplanned outages and cut budgets without losing efficiency. Omegasonics' ultrasonic technology reduces labor costs and shortens scheduled maintenance by eliminating time-consuming hand cleaning.



*"The most incredible thing I have found..."*

...are industrial ultrasonic cleaning machines. They use sound waves, so they don't damage any sensitive, small parts or even a paper gasket... It only takes about half an hour to do a cylinder head that's covered with carbon. And the ultrasonic waves get into every nook and cranny..."

*—Jay Leno, Talk Show Host and Auto Collector / Restorer*

# Industrial Machining & Parts

## Get precision cleaning for precision parts... for less money.

The highest industry standards require the best technology, and industrial machining of metal parts requires precision in all stages of manufacturing, including the cleaning process. In the past, this meant hours of soaking in harsh petroleum-based solvents and hand scrubbing to finish the job. Or, to meet strict industry standards, expensive outsourcing was the only practical choice.

### **Omegasonics: a superior choice**

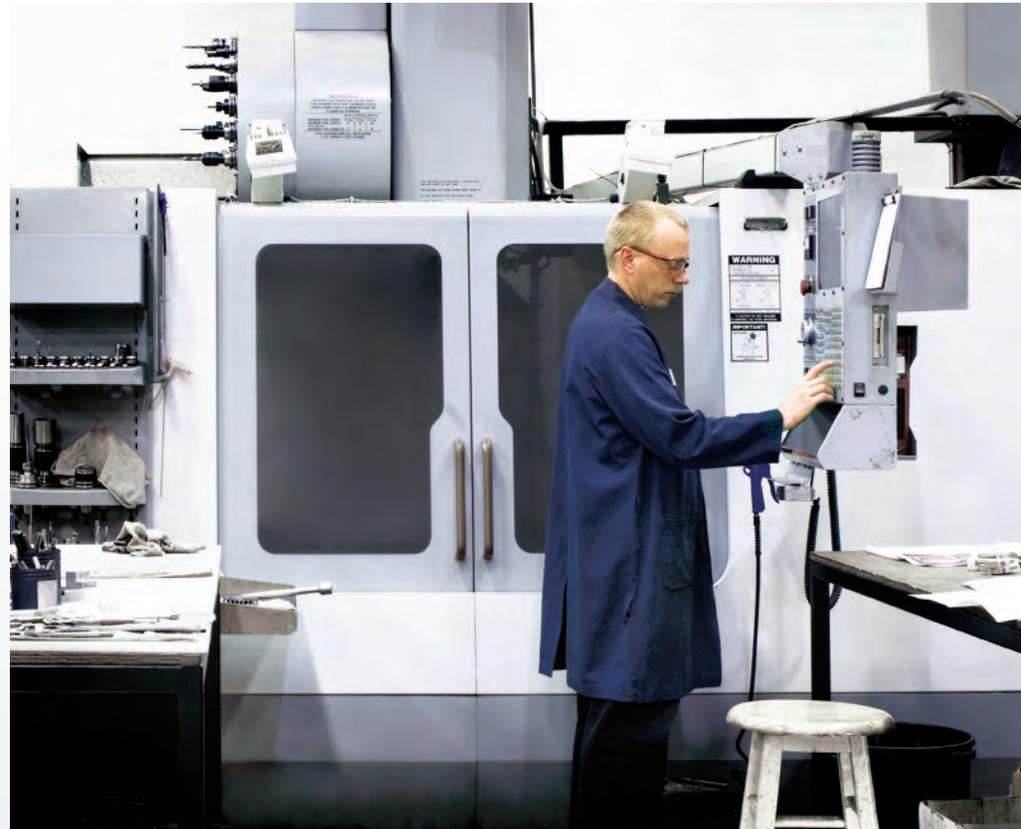
Omegasonics' cleaning technology dramatically cuts the time and budget necessary to clean – meeting and exceeding even the highest standards. When you use our cleaning tanks:

- **It's faster** – No hand cleaning or supervision necessary.
- **It's safer** – You don't need harmful chemicals or expensive waste removal services.
- **It's better** – Ultrasonic technology combined with our mild solutions find and eradicate residues not easily found by hand.
- **It's cost-effective** – A faster process means fewer labor costs, and cleaner technology means lower overhead for cleaning solvents.

### **Proven results within the industry**

Major aluminum and metals manufacturers are already saving money using Omegasonics' technology, including:

- Alcoa
- GE
- Honeywell
- General Dynamics



Ultrasonic cleaning technology offers heavy duty cleaning power with the gentleness required for intricate machinery.

# Industrial Machining & Parts



Parts are cleaned in a fraction of the time and without supervision. When done, the basket can be used for self-draining while employees move on to other projects.



## *Our Filtration Systems...*

The **Omega® Pro Plus X2's** filtration system is easy to access, making filter changes quick and simple. This unit has a dual-cartridge system for its primary wash tank and a single-cartridge system for its secondary rinse station.



## THE UTILITIES INDUSTRY

### Keeping the world working with ultrasonic technology

Utilities companies across the country, including the Southern California Gas Company, Minnesota Methane and the Farmington Electric Utility System (Farmington, NM) purchased peace of mind from Omegasonics.

With our ultrasonic cleaning machines, the companies that keep us warm and illuminated help prevent unplanned outages and improve efficiency while still cutting budgets. Plus, no hand cleaning required.

***“We have experienced exceptional results and tripled our cleaning output...”***

We have had our ultrasonic parts washer for 8 years now and it's hard to imagine how we survived without it. It does a fantastic job cleaning intricate parts and preparing them for final assembly. It has resulted in a lower direct labor cost in this department.”

*—Lou Tignac, President, Van's Manufacturing, Inc.*

# Aerospace, Military & Firearms

**We know... Dwindling budgets need better, faster technology. Omegasonics delivers.**

Costs are rising. Bottom lines are slimming. Budgets are getting smaller, but quality standards aren't getting any less stringent. As you continue to balance productivity and profitability, you often rely on new technology to keep costs low without compromising quality.

## **Cleaner, safer, faster, less expensive**

The more than 35 state and federal agencies that use Omegasonics cleaners know that we offer superior cleaning for a wide range of products and materials – from steel, titanium and aluminum components to large hydraulic systems and engines, firearms, ceramics and plastics – all more cost effectively than hand washing or outsourcing.

Our machines clean faster and more thoroughly than chemical-based cleaning processes. The cavitation bubbles find and destroy even hard-to-reach substances. ***And if you don't see what you need here, give us a call. We can customize a machine for you.***

## **So much for so little**

Despite its effectiveness, this technology is much simpler and less expensive than other processes.

- **No soaking, scrubbing or training**
- **Decreased labor costs** and increased efficiency
- **No dangerous chemicals**, only EPA-approved solutions
- **No outsourcing** of cleaning, toxic waste removal or other expensive services required



Whether by air or by sea, Omegasonics technology is helping critical organizations work efficiently and focus on their missions at hand. Soon the U.S. Navy will have an **Omega® Super Pro** on every ship.



# Aerospace, Military & Firearms

## A greener solution

Increasingly important to all industries, but especially for aerospace and military contracts, ultrasonic cleaning technology supports today's green initiatives by using EPA-approved non-toxic, water-based cleaning solutions. They're good for you, your employees and the environment.

## A return on your investment

Best of all, faster turnaround and better results make for happier customers. After all, the main requirement of any in-house investment is that it pays for itself in higher profits, lower costs and increased efficiency.

***An investment in Omegasonics machines decreases your cleaning costs by at least 70%, saving you approximately \$1,000 per month right off the bat.***

For more ROI details, turn to page 15.

***Saving 20 hours or more of labor per week...***

"We just put [the parts] in the Omegasonics unit, adjust the settings, and walk away to do something else while they're being cleaned."

***—Bud Greener, Manufacturing Engineer, Eaton Aerospace***



Omegasonics units all have simple control panels – as easy as running a dishwasher – making them easy to use, adjust and maintain.



Our **Omega® Viking X3 Plus** offers ultrasonic washing, a heated rinse and a hot air dryer all in one unit.

# Medical, Food & Drug

**The highest quality and cleanliness standards don't have to mean higher cost.**

With Omegasonics technology, even the toughest standards are easy to meet, even exceed. The most meticulous inspectors are easy to please, all while reducing your labor overhead, cutting cleaning costs and improving your bottom line.

## **No harsh chemicals, no worries**

When it comes to the cleaning of parts and equipment used to process or dispense food, supplements and pharmaceuticals, ultrasonic washing delivers the required thoroughness and peace of mind. Using mild solutions of citric acid and/or water instead of harsh acids or alcohols, Omegasonics machines easily and safely remove dirt, scale, minerals, grime, oil and other residues from virtually any surface.

## **Solutions for any application**

In an industry with a wide range of products, Omegasonics machines come in a wide variety of sizes to fit any applications, including our larger units from the **Omega® Pro Series** and smaller TableTop and BenchTop sized machines. ***Omegasonics can also customize a machine to meet your unique needs regarding size, use, power and other specifications.***

Companies like PepsiCo, Anheuser-Busch and Natural Alternatives are already using our technology to clean:

- Vitamin and supplement processing equipment
- Soft drink filler valves, which often become clogged with syrup
- Food and beverage containers and dispensers
- Baking pans
- Cannery vent hoods



You can clean even the most delicate instruments to the highest standards – reducing the risk of cross-contamination while also eliminating potential exposure to chemical residue.



# Medical, Food & Drug

## CUSTOM MACHINES

**If you don't see what you need here,  
we can build it for you.**

Omegasonics can design a custom machine based on your unique needs and specifications. Available designs and additions include but are not limited to: multi-stage machines, longer/wider/deeper tanks, unique frame construction, custom color design, ultrasonic frequency adjustments, customized liquid levels, auto draining or filling, PLC controls sequencing and conductivity monitoring.

*One person doing the work of three  
in less than 1/3 of the time...*

"We used to have three people scrubbing for 45 minutes to clean one unit. One person can now place the entire unit in an ultrasonic machine, and in about 10 minutes it's done."

**—Stephen Pratt, Manufacturing Engineer,  
Wilbur Curtis Company  
(coffee and tea brewing machine manufacturer)**

*"Our fillers have never been cleaner..."*

The ultrasonic cleaners are working great! The precision parts in our fillers have never been cleaner or rebuilt as well!"

**—Dave Pierson, Plant Manager, Pepsi Bottling Group**



The 33-gallon **Omega® Pro Plus X2** offers a secondary rinse tank and can clean several devices at once. Bottom: Omegeasonics units are available in a wide variety of sizes to meet space, use and power specifications – from our six lab-ready TableTop units ranging from ¾ gallon to 7¾ gallons to our 110-gallon **Omega® Power Pro 8000**.



# Auto, Marine & Powersports

**Don't waste any more time. Extend the life of your equipment without increasing costs – completely breakdown free.**

Automobile, marine and outdoor powersports equipment maintenance and restoration are now worlds easier. When using Omegasonics' ultrasonic technology, cleaning is faster and meticulously thorough without any hand scrubbing or outsourcing. Our environmentally friendly processes make it possible for you to get the most out of your equipment while still meeting today's harrowing budget demands.

## **Complete disassembly not required**

With Omegasonics' ultrasonic cleaning processes, there's no need to completely disassemble many components such as carburetors. Our machines can clean every crevice of complicated components without dissolving or cracking seals and gaskets.

## **Keeping your fleet tip-top**

Our products safely clean diesel marine engine components such as heads, valves, valve springs, rocker arms and rocker gears – without any harsh chemicals or hand cleaning. With cleaner components in your fleet you get greater efficiency, fewer large-scale replacements and increased profit margins.

## **High performance, low cost, happy customers**

If you're still cleaning auto engines, outboard motors or critical components from motorcycles, ATVs, snowmobiles or jet skis by hand, you're wasting time and resources that could be focused on building your business. Omegasonics improves your bottom line by increasing the speed of each repair and improving the quality of your results.



Omegasonics units allow you to maintain an engine's high performance without breaking your budget and without taking you out of the game for too long.

***"This is the most awesome tool on the planet..."***

I have a 100% success rate with the ultrasonic cleaner. We disassemble the carburetors and throw them into the cleaner. I guarantee when they come out of the machine, they will be perfect...

I can't say enough about this unit. You will make your money back ten-fold with this machine. This is the most awesome tool on the planet."

**—David Blum, Owner, Clovis Marine**

# Music Pro

**Clean precious instruments  
in a fifth of the time.**

Cleaning musical instruments is typically a tedious and time-consuming process requiring major disassembly, harsh acids and painstaking hand scrubbing. Using the **Omega® Music Pro Series** of ultrasonic cleaning systems, you can clean the same amount of instruments in as little as one-fifth of the time.

Delicate and valuable instruments are cleaned safely using mild water-based solutions, water rinsing and gentle blow drying. Since only minimal disassembly is required, reassembly is quick and easy.

***The average cleaning takes less than three minutes,*** allowing you and your employees to focus on critical repairs and customer service.



# Saw Pro

**Sharpen your  
blade cleaning process.**

There is now a safer and faster way to clean and restore circular saw blades without hours of soaking in dangerous chemicals. Using the **Omega® Saw Pro** and **Saw Pro Plus**, you can clean multiple blades up to 35" in diameter in a fraction of the time of traditional methods – often in as little as three minutes – using only mild, environmentally friendly solutions.

Our ultrasonic cleaners quickly and easily remove the heaviest wood pitch from any blade in mere minutes. Once cleaned, blades can be dipped in a rust inhibitor, flash-dried and prepared for sharpening.

This faster process allows you to clean, repair and sharpen more blades during a work day while reducing costs and creating a safer work environment for you and your employees.



# OEM

## TRANSducers

Omegasonics also offers a variety of immersible transducers and matching generator packages, including both off-the-shelf units and custom-built immersibles. We can provide bottom mount, side mount, hanging or bulkhead mounted transducers.

## GENERATORS

Our state-of-the-art **Matrix 9000**<sup>®</sup> ultrasonic generator provides the latest developments in electronics. Using an advanced auto-voltage sensing circuit, the **Matrix 9000**<sup>®</sup> can be operated from 90VAC-265VAC. Power companies charge demand fees for out of balance loads. Omegasonics delivers a power factor corrected device – greater than 97%.

This revolutionary product is 30% smaller, operates 10% cooler and delivers 10% more efficient transmission of ultrasonic energy than any other product on the market.



# Accessories

## SOAPS

Omegasonics offers a variety of unique, non-toxic ultrasonic cleaning agents specially formulated to meet your specific industrial applications, including metal cleaning, ink removal, carbon removal and rust protection.

## BASKETS

Our baskets are designed for use in Omegasonics machines and come in sizes ranging from 15"x15" to 45"x24".

## FILTERS

Available filter sizes include 1, 5, 10, 20, 30 or 50 microns. We also sell our specialized carbon oil filter.

*Visit us online at [www.omegasonics.com](http://www.omegasonics.com) to see our entire line of soaps, baskets, filters and more.*



# ROI / Profitability

## Ultrasonic technology saves you much more than time. Here are the numbers...

Using an Omegasonics washing system will get your parts cleaner in a fraction of the time without the need for hand washing, tedious scrubbing, potentially dangerous chemical exposure and costly disposal. Production speeds and throughput increase dramatically, decreasing your labor costs and increasing productivity rates.

- Carburetors clean **five times faster** – in 15 minutes vs. 1½ hours.
- Musical instruments clean in nearly **1/5 of the time** – in 3 minutes or less.
- By using Omegasonics' affordable water-based soaps and enzyme solutions instead of spray solvents and toxic cleaning products, **you save 70% or more.**

### Best of all, it pays for itself.

The cost of cleaning industrial parts and machinery – including labor, chemical solvents and disposal – is cut in half. When you consider the labor costs alone, **an Omegasonics system can save you up to \$1,000 or more per month, paying for itself in less than a year.**



### CONTACT US...

Learn how Omegasonics can help you improve your cleaning requirements.  
**Call (800) 669-8227 or visit [www.omegasonics.com](http://www.omegasonics.com)**

# OMEGASONICS

Ultrasonic Cleaning Systems



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