

# Ralsonics

SURFACE ENGINEERING SOLUTIONS

Premier manufacturer of IoT-enabled ultrasonics, industrial cleaning, and plating equipment.

[WWW.RALSONICS.COM](http://WWW.RALSONICS.COM)

# About Us

With over 50 years of ultrasonic innovation, Ralsonics sets industry benchmarks with precision-engineered, reliable, and performance-driven cleaning solutions. Our IoT-enabled systems provide intelligent control and predictive insights for optimal operation. With 7,000+ installations across 26+ industries, we are trusted for our engineering excellence and custom, end-to-end solutions. Committed to premium quality and timely delivery, we continue to empower industries with technology that is smart by design and dependable in execution.

## Our Facility

**35,000 sq ft state-of-the-art manufacturing facility located near Mumbai.**



### End-to-End Manufacturing

We handle precision machining, fabrication, assembly, and electronics in-house, including complete production of ultrasonic transducers and generators with fully controlled electrical panel wiring.



### Reliable Operations & Sales Team

Ensuring smooth project execution and dependable delivery. Along with both Online and Offline Sales Support.



### In-house CNC Machining

High-precision, automated milling and turning ensure consistent quality and efficient production.



### Expert Design Team

Experienced engineers using advanced tools delivering tailored, efficient, and innovative solutions.



# Ultrasonics

A pioneer in ultrasonics since 1973, Ralsonics designs and manufactures ultrasonic cleaners, sonicators, resonators, immersible systems, processors, probes, horns, sieving units, and more.

Our ultrasonic generators and transducers are entirely developed and manufactured in India. With over five decades of expertise, we deliver advanced ultrasonic cleaning and processing solutions that meet global standards.



## Applications

### Precision Cleaning

Medical instruments, automotive parts, jewelry, electronics components

### Welding & Joining

Plastics, packaging, textiles, automotive and appliance assemblies

### Sieving & Separation

Powders, food processing, pharma screening, slurry filtration

### Mixing & Emulsification

Cosmetics, food & beverages, personal care products

### Homogenization & Particle Size Reduction

Pigments, inks, coatings, agro-chemicals, pharma suspensions

### Sono-chemistry

Reaction acceleration in chemical manufacturing and R&D

# Surface Coating



Ralsonics specializes in designing and building fully customized surface coating plants for a wide range of industrial applications.



- Phosphating
- Electropolishing
- Zinc Plating
- Chrome Plating
- Chemical Etching
- Blackodizing
- Anodizing
- Special Processes

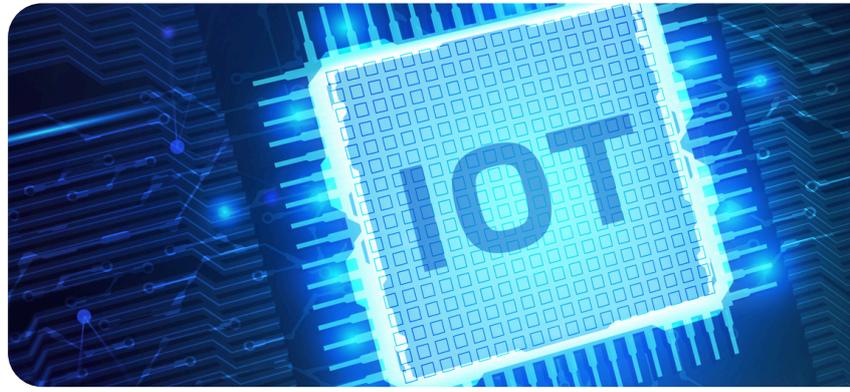
## Ancillary Equipment

- Deionized Water Plant
- Demineralized Water Plant
- Effluent Treatment Plant
- RO Water Plant
- Dry / Wet Scrubber



# State-of-Art Cleaning Machines

Ralsonics' IoT-enabled ultrasonic cleaning machines integrate advanced sensors and smart connectivity, allowing real-time monitoring, data analytics, and remote diagnostics.



## Single Chamber Multi Process Machine

- Compact, efficient design
- Proprietary tube resonators for precise cleaning
- Programmable automation
- Universal basket for varied parts
- Optional vacuum drying for dry components



## Multi Chamber Multi Process Machine

- Separate tanks for processes
- Fully automated part movement
- Supports ultrasonic cleaning, spray washing, vertical agitation, rotation, air agitation, and turbulence



## Round Automat

- Fast cycles with compact spaces
- Combines multistage cleaning with shared load/unload zone
- Ideal for bin washing



## Conveyorized Machine

- Designed for continuous component flow
- Highly versatile, fits various parts without major changes



## Special Purpose Machine

Our SPMs are designed to handle challenging cleaning problems that cannot be solved by standardized equipment.



## Robotic Arm

Robotic arms offer extreme precision in cleaning highly complex parts.



# Solvent Based SPM

- Solvent Based SPM is ideal for applications where aqueous cleaning is ineffective.
- Ralsonics has 50 years of expertise in developing efficient and reliable SPMs / vapour degreasing systems.
- Machines are fully closed-loop, ensuring maximum solvent savings.
- Utilizes advanced, cost-effective solvents for superior cleaning performance.



## Detergents & Solvents

### RALCLEAN 2004

Cleaner - Water Based

- Provides excellent millipore value and good rust protection.
- Low foam performance even at high pressures.



### RALCLEAN 1002 RP

Passivation & Corrosion Inhibitor

- Eco-friendly and operator-friendly.
- Creates an ashless, dry-to-touch protective layer.



### RALCLEAN 1001

Solvent Base Cleaner

- Fast-drying with no residue.
- Temporary rust prevention and economical.



### RALCLEAN 1003

Solvent Base Cleaner

- Excellent solvency for fats and oils.
- Quick dewatering with temporary rust prevention.



### RALCLEAN 2003 RR

Rust Remover - Water Based

- Neutral pH, non-toxic, and gentle on hands.
- Reacts with rust to generate a protective coating.



### RALCLEAN 2006

Cleaner - Water Based

- Produces low foam at high pressures for better cleaning efficiency.
- Economical, with good sump life and oil rejection properties.



## SOME OF OUR VALUED CUSTOMERS

<b>AUTOMOBILE</b>	          
<b>PHARMA</b>	         
<b>ENGINEERING</b>	          
<b>CHEMICALS</b>	          
<b>CONSUMER</b>	          

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