

parts cleaning technology



aqua clean

aqua clean systems pvt ltd

An ISO 9001:2015 Certified Company

www.aquacleansystems.net

About Us

Aqua Clean Systems specializes in parts cleaning machines and is managed by a team of experienced professionals well-versed in parts cleaning technology. With years of experience, we are dedicated to providing effective solutions for our customers' needs.

At Aqua Clean Systems, our customers are at the heart of everything we do. We strive to provide the best solutions supported by responsive and efficient service. Our approach is to offer innovative, competitive, and cost-effective options that enhance the quality of your output.

Our equipment is designed with a deep understanding of the components and each customer's specific cleaning requirements. This allows us to offer comprehensive, end-to-end solutions that ensure high performance at a minimum cost, tailored to meet your unique cleaning needs.

OUR PRODUCT RANGE

Roto-Clean (top loading spray washer)

- Roto-Clean is a high-quality, water based industrial machine built to deal with even the toughest cleaning challenges.
- Engineered for quick, efficient, and cost-effective cleaning performance.
- Available in a versatile range of basket sizes: 250mm, 600mm, 800mm, 1000mm, and 1300mm in diameter.
- Features a multi-stage filtration system with oil removal.
- It includes standard equipment and offers optional upgrades to improve cleaning performance, handling, and productivity.
- Ideal for cleaning parts with simple geometry and suited for low volume productivity.



Dip-Dunk-Agi (top & side loading washer)

- Dunking washers offer a compact, simple, and cost-effective cleaning method.
- The working principle is based on a simple and reliable pneumatically / motor operated dunking platform or geneva mechanism.
- The cleaning process is fully automatic and controlled by a timer, ensuring ease of operation.
- Designed to work with both ambient and temperature controlled hot liquids.
- Ideal for pre-cleaning complex shaped components, surface treatments, rust prevention applications, and more.



Roto-Cab (front loading spray washer)

- Roto-Cab washers are robust cabinet type parts washers with rotary table, designed for large-size and batch cleaning processes.
- Available in multiple basket sizes with adjustable loading heights to meet specific process needs.
- Roto-Cab WR Spray washers feature a multi-stage, single chamber design for automatic washing, rinsing, and drying operations.
- Suitable for medium to large parts, machined bodies and batch type production.



Carousel (rotary indexing table type spray washer)

- Carousel washers are ideal for lean manufacturing processes.
- It enables operators to load and unload the machine at the same station while operating multiple machines in a cell simultaneously.
- Equipped with rinse and air blow-off features, offering highly flexible and top-quality cleaning performance.
- The unique indexing table with rotating part fixtures ensures complete exposure to spray jets on the component 100% of the time.
- Designed to handle small to medium parts continuously, maintaining high production rates.



Conveyor (single & multi stage washer)

- High-performance in-line conveyor washers are designed for continuous parts cleaning and suited for higher throughput.
- Available in single and multi-stage processes, suitable for single parts or batch cleaning.
- The working principle is based on a linear movement of parts through the process; parts are conveyed through different stages of the process at controlled and changeable speed.
- Spray manifolds with wrapping effect for precision cleaning to attain required cleanliness levels.
- The drying system utilizes centrifugal blowers or air knives combined with regenerative blowers, either at ambient or elevated temperatures.
- Ideal for inline degreasing and cleaning simple geometrical parts for higher productivity.



Bin/Crate washer

- Conveyorized bin or crate washers can accommodate various crate shapes and sizes, featuring drying mechanisms to prepare them for immediate reuse.
- Engineered to effectively clean and sanitize crates used in sectors such as agriculture, food processing, and logistics.
- Capable of handling large bin capacities, ensuring reliable performance, maximizing efficiency, and meeting cleanliness standards.



Roto-Flood (immersion & spray washer)

- Roto-Flood Immersion and Spray washers are designed specifically for precision industries.
- The immersed injection flood wash effectively eliminates contaminants such as atmospheric and metallic dust, soluble and mineral oils, greases, and polishing compounds.
- Featuring a compact design with a smaller footprint, it is ideal for placement in high-precision machining cells with limited space.
- This machine can be integrated with ultrasonic cleaning for enhanced precision, along with rinsing and drying stages for optimal results.
- Special baskets are provided for critical parts, ensuring dedicated handling and care.
- Designed for effectively cleaning small, complex parts with intricate geometries and high contamination levels, while ensuring optimal surface finish and productivity.



Aqua Prime

- The Aqua Prime is an economical, one-stop component cleaning system designed for versatile applications to achieve fine levels of cleaning.
- It combines spray, immersion, and ultrasonic methods within a single chamber for comprehensive cleaning of complex parts.
- The system incorporates appropriate cleaning and filtration methods, along with different drying technologies such as hot air blowing or vacuum drying, depending on the specific part requirements.
- This method effectively removes oil, swarf, and emulsion from mass-produced parts and provides fine cleaning for assembly components.
- Features a two-stage, high-power injection flood wash utilizing ultrasonic technology, along with parts basket rotation or swiveling.
- Benefits of Aqua Prime include: Ideal for precise cleaning of intricate parts, advanced safety features are integrated to prevent breakdowns, low energy and water consumption, and easy maintenance.



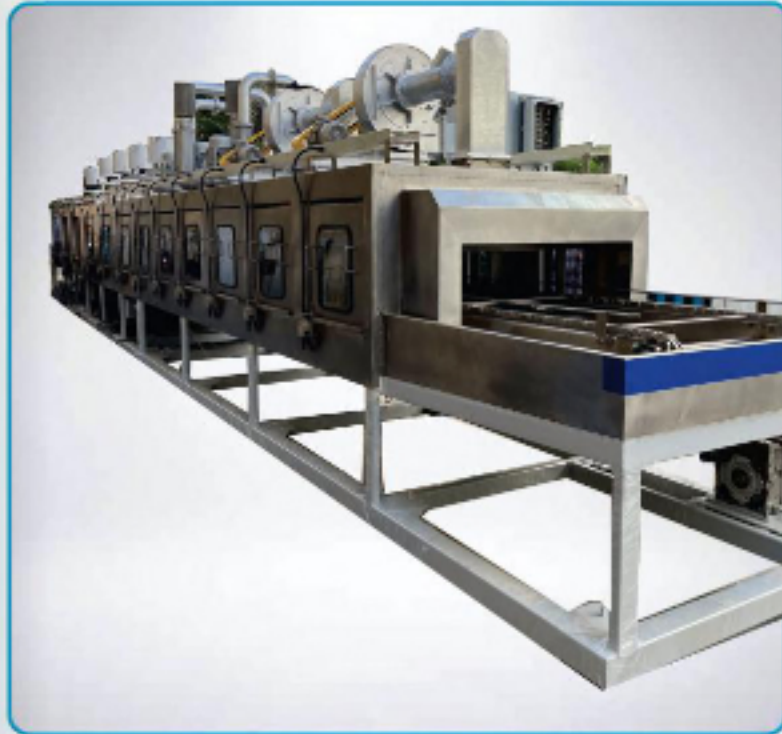
Ultrasonic (single and multistage washer)

- Ultrasonic washers ensure thorough and efficient cleaning for a wide range of industries.
- They utilize high-frequency vibrations to agitate water, producing sound waves that cause microscopic bubble implosions. These rapidly expand and collapse, creating a powerful scrubbing action to remove even the toughest dirt and grime—a process known as cavitation.
- This technique is particularly effective for reaching crevices, blind holes, and other hard-to-reach areas, making it ideal for cleaning intricate parts with complex geometry.
- Benefits of Ultrasonic Cleaners: Perfect for delicate parts, they provide precise and uniform cleaning, delivers faster and thorough results, enhances part quality and longevity, and is suitable for various applications—from small, fragile components to large, complex assemblies.



Surface treatment / Spray treatment washer

- Surface treatment washers are designed to clean and prepare metal surfaces prior to the painting process.
- Available with a single-chamber multi-process system (box-type spray treatment) and also in multistage configurations.
- These washers offer various heating options, including electric, hot water generator, or gas-fired heating, tailored to the customers' needs.
- Equipped with multi-tier filtration and an oil removal system to enhance bath life.
- Can be seamlessly integrated into the paint line for subsequent processes.



Aqua Clean Advantages

- Solvent-free, utilizing water-based detergents in the washers.
- Custom-built solutions for efficient and precise cleaning of parts.
- Stainless steel construction ensures a lifetime of dependable performance.
- Multi-tier filtration with proven applications that meet residual gravimetric tests.
- Pre-programmed operating schedules with automatic quick cycling to enhance productivity.
- User-friendly and easy to install.
- Factory-tested, compact, skid-mounted design for plug-and-play installation.
- Established reference stations nationwide with effective service support.
- Well-equipped Millipore testing setup.

Applications



- Automotive / Auto Ancillaries



- Automated Production Lines



- Machine Tools



- General Engineering



- Process Industries



- Textile Machinery



- Hydraulic Equipment Manufacturers



- Electronics



- Bins, Trays Cleaning



- Defense/Aviation/Railways and many more.

Customers We Keep





OFFICE AND WORKS

Gat No. 94/1, Jyotiba Nagar, Talawade, Pune - 411062 (India)



+91 94220 05642



sales@aquacleansystems.net

FACTORY ADDRESS

Plot No. V-62, Phase 2, Chakan Industrial Area,
Taluka- Khed, Pune-410501

