

## 96L High Quality Single Tank Industrial Ultrasonic Cleaner for Derusting/Degreasing

Our Product Introduction

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### Basic Information

- Certification: CE, RoHS, ISO9001
- Minimum Order Quantity: 1
- Price: 1220



### Product Specification

- Model Number: JP-301ST
- Inner Tank Size: 800\*300\*400mm
- Package Size: 1100\*510\*920mm
- Capacity: 96L
- Timer Range: 1-99min
- Ultrasonic Frequency: 40kHz/28kHz
- Transducer Count: 24
- Ultrasonic Power: 1500W
- Heating Power: 3000W
- Material: Stainless Steel SUS304/SUS316
- Machine Voltage: 380V 3 Phase
- Generator Voltage: AC 110V/220V
- Heater Range: 20°C To 95°C
- Net Weight: 73kg
- Gross Weight: 98kg



### More Images



## Product Description

### 96L High Quality Single Tank Industrial Ultrasonic Cleaner

Professional 96L 1500W industrial ultrasonic cleaning system designed for derusting, degreasing, and precision cleaning applications.

#### Product Specifications

Model No.	JP-301ST
Ultrasonic Frequency	28,000 Hz / 40,000 Hz optional, or dual frequency
Material	Stainless Steel SUS304
Tank Capacity	96L
Timer	1~99 minutes adjustable
Heater	20°C to 95°C adjustable
Machine Voltage	380V 3 phase
Generator Voltage	AC 110V/220V
Ultrasonic Power	0-1500W
Heating Power	3000W
Generator	Customized
Washing Basket	1 piece
Caster	4 pieces
Drainage	Included
Cover	Included
Oil Skimmer	Attached tank, pump

#### Dimensions & Packaging

Tank Size	800×300×400mm (L×W×H)
Unit Size	940×420×800mm (L×W×H)
Package Size	1100×510×920mm (L×W×H)
Net Weight / Gross Weight	73kg / 98kg
Warranty	1 year

#### Key Features

- Stainless steel SUS304 construction for wear resistance and long service life
- Power adjustable via clockwise control with LED display for timer and heater settings
- Includes stainless steel washing basket and lid
- Ultrasonic cleaning solutions penetrate virtually any soil type including oils, residues, solvents, pastes, and chemicals
- Effectively cleans contaminants from surfaces, including hard-to-reach crevices and internal bores
- Uses tap water, industrial alcohol, or solvent cleaners for higher cleaning requirements
- Industrial control chip microcontroller with flexible circuit board control for security and stability
- Includes drainage, basket, lid, and multi-directional castors
- PCB board independently researched, developed, and produced by Skymen
- Cuboid shape provides larger capacity than comparable products in the same series

#### How Ultrasonic Cleaning Works

Electrical energy is converted into mechanical vibrations through specialized transducers. These vibrations transfer into the fluid through the stainless steel walls, creating microscopic vacuum bubbles that cause consecutive implosions (cavitation). The resulting high-energy jets

efficiently remove dirt from surfaces and materials placed in the cleaning bath.

## Technical Operation

The ultrasonic cleaning machine consists of an ultrasonic signal generator, transducer, and cleaning tank. The high-frequency oscillation signal from the generator converts into high-frequency mechanical oscillation (tens of thousands of times per second) via the transducer, forming ultrasonic waves in the cleaning liquid. These waves radiate forward through alternating positive and negative pressure, creating numerous microscopic bubbles that continuously generate and burst (cavitation effect). When bubbles burst, they create instantaneous high pressure exceeding 1000 atmospheres, releasing enormous energy that forms powerful impacts on surrounding surfaces. This process continuously cleans workpiece surfaces and gaps, effectively removing dirt and achieving thorough surface purification.

## Applications

Industry instruments, hardware instruments, scientific laboratories, automotive parts, motors, machine tools, and various industrial components.

## Certifications

CE, ROHS, FCC, ISO9001:2008

## Company Profile

Skymen is a professional manufacturer of industrial ultrasonic cleaning equipment, providing customized solutions and reliable products for various industrial applications.

## Frequently Asked Questions

### What should I do when degreasing with ultrasonic cleaners?

Place oily hardware parts, aluminum blocks, metals, bearings, chains, molds, etc. into the cleaning basket, then place into the cleaning tank

Add water and pour a measured amount of degreaser

Press the switch to start the ultrasonic cleaning machine, clean for the required time, then transfer to a drying tank

After drying, remove objects and cleaning basket together

Shut down and perform proper maintenance

### What should I pay attention to when using the ultrasonic cleaner?

Always add liquid first, ensuring sufficient height to prevent operating in air state and damaging the machine

Maintain cleaning liquid at room temperature - avoid putting high-temperature liquid directly into the machine to prevent transducer detachment

Regularly inspect equipment, especially transducers, to avoid moisture and impact damage

After use, turn off main power and allow adequate time before restarting

### Are you a trading company or a manufacturer?

We are a factory manufacturer. All machines are produced in-house, and we provide customized services according to customer requirements.

### What is your warranty period?

12 months after on-site commissioning, excluding consumable spare parts.



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