

53L Large Industrial Multi-Function Advanced Professional Single Tank Ultrasonic Cleaner Medical

Our Product Introduction

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Basic Information

- Certification: CE, RoHS, ISO9001
- Minimum Order Quantity: 1
- Price: 724



Product Specification

- Model Number: JP-180ST
- Tank Capacity: 53L
- Inner Tank Size: 500*350*300mm
- Unit Size: 680*550*735mm
- Package Size: 800*620*880mm
- Net Weight: 54kg
- Gross Weight: 75kg
- Ultrasonic Frequency: 28,000 Hz/40,000Hz Optional
- Ultrasonic Power: 0-900W
- Heating Power: 1500W
- Heater Range: 20°C To 95°C
- Timer Range: 1-99 Minutes
- Machine Voltage: 380V 3 Phase
- Generator Voltage: AC 110V/220V
- Transducer Count: 30



More Images



Product Description

53L Large Industrial Multi-Function Advanced Professional Single Tank Ultrasonic Cleaner

This 53L 900W industrial ultrasonic cleaner offers professional-grade performance for medical, laboratory, and industrial applications. Featuring advanced ultrasonic technology and robust stainless steel construction.

Technical Specifications

Model No.	JP-180ST
Ultrasonic Frequency	28,000 Hz/40,000Hz optional, or dual frequency
Material	Stainless Steel SUS304
Tank Capacity	53 L
Timer	1~99 minutes adjustable
Heater	20°C to 95°C adjustable
Machine Voltage	380V 3 phase
Generator Voltage	AC 110V/220V
Ultrasonic Power	0-900W
Heating Power	1500 W
Generator	Customized
Washing Basket	1 piece
Caster	4 pieces
Drainage	Included
Cover	Included
Oil Skimmer	Attached tank, pump

Dimensions & Packaging

Tank Size	500×350×300mm (L×W×H)
Unit Size	680×550×735mm (L×W×H)
Package Size	800×620×880mm (L×W×H)
Net Weight/Gross Weight	54kg/75kg
Warranty	1 year

Key Features

- Premium stainless steel SUS304 construction for durability
- Adjustable power control with clockwise dial and LED display for timer and heater settings
- Includes stainless steel washing basket and lid
- Advanced ultrasonic cleaning technology penetrates oils, residues, solvents, pastes, and chemicals
- Effectively cleans crevices and internal bores
- Industrial control chip microcontroller with flexible circuit board control
- Multi-directional castors for easy mobility
- Customizable PCB board design

Applications

Industry instruments, hardware instruments, scientific laboratories, automotive parts, motors, machine tools, and more.

Specific Industry Applications

Scientific Labs: Eyeglass frames, lab glassware, optical & contact lenses, pipettes, scientific instruments, test tubes

Industrial Manufacturing: Assemblies, gears, metal & plastic parts, precision bearings

Electronic Manufacturing: Capacitors, ceramic substrates, PC boards, packaging components, quartz crystals

Medical and Dental Lab: Burs, blood oxygenators, dental instruments, syringe parts, surgical instruments

Jewelry Manufacturing: Chains, charms, coins, intricate settings, precious metals & gemstones, watches

Certifications

CE, ROHS, FCC, ISO9001:2008

Special Features

- Wear-resistant stainless steel tank for extended service life
- 53-liter capacity for large-scale cleaning operations
- Compatible with tap water, industrial alcohol, and solvent cleaners
- Secure and stable operation with industrial-grade components
- Includes drainage, basket, lid, and multi-directional castors
- Fast delivery with large stock availability

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 implode (cavitation). The resulting high-energy jets efficiently remove dirt from surfaces and materials placed in the cleaning bath.

Ultrasonic cleaning can be up to 30 times faster than manual cleaning while delivering thoroughly clean results for glassware, plasticware, lab instruments, oven trays, and pans.

Frequently Asked Questions

Which medical equipment can use ultrasonic cleaners?

Application in Medical industry: cleaning of syringes, surgical instruments, droppers, research laboratory equipment, glass containers, dental appliances, esophagoscopes, bronchoscopes, proctoscopes, laboratory utensils, etc.

What are the benefits of using ultrasonic cleaners in the medical industry?

- Clean Integration:** Intelligent cleaning process with minimal manual intervention
- Health and Safety:** Protects medical personnel from infection risks during cleaning
- Better Cleaning Effect:** Ultrasonic cavitation penetrates deep into equipment gaps for thorough cleaning

Are you a trading company or a manufacturer?

Yes, we are a factory, all machines are manufactured by ourselves, and we can provide customized services according to your requirements.

What is your warranty period?

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

Are there any installation instructions after receiving the machine?

Yes, we provide theoretical and practical training for equipment operators of client companies to standardize operations and maximize equipment production efficiency.



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