

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

Our Product Introduction

for more products please visit us on skymenultrasonic.com

Basic Information

- Certification: CE, RoHS, ISO9001
- Minimum Order Quantity: 1
- Price: 676



Product Specification

- Optional Frequency: 40kHz/28kHz
- Timer: 1-99min
- Heating Power: 1500W
- Transducer: 30
- Control: PLC
- Capacity: 53L
- Package Size: 800*620*880mm
- Ultrasonic Power: 900W
- N.W/G.W: 54kg/75kg
- Inner Tank Size: 500*350*300mm
- Material: Stainless Steel SUS304/SUS316
- Heater: 20°C To 95°C Adjustable
- Generator Voltage: AC100-120V/60Hz; AC220-240V/50Hz
- Washing Basket: 1 Pc
- Caster: 4 Pcs



More Images



Product Description

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

High-performance 53L industrial ultrasonic cleaner with 900W ultrasonic power and 1500W heating capability. Designed for medical, laboratory, and industrial applications with professional-grade cleaning performance.

Product Specifications

Specification	Details
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
Generator Voltage	AC100-120V/60Hz; AC220-240V/50Hz
Ultrasonic Power	0-900W
Heating Power	1500 W
Generator	Customized
Washing Basket	1 pc
Caster	4 pcs
Drainage	Included
Cover	Included
Oil Skimmer	Attached tank, pump

Package Details

Dimension Type	Measurements
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

- Stainless steel SUS304 construction for durability and wear resistance
- Power adjustable via clockwise control with LED display for timer and heater settings
- Includes stainless steel washing basket and lid
- Ultrasonic cleaning solutions penetrate oils, residues, solvents, pastes, and chemicals
- Effectively cleans crevasses and internal bores
- Industrial control chip microcontroller with flexible circuit boards for secure and stable operation
- Includes drainage, basket, lid, and multi-direction castors for mobility
- PCB board independently researched, developed, and produced by Skymen
- Fast delivery with large stock availability

Applications

Industrial & Manufacturing

Industry instruments, hardware instruments, scientific laboratories, automotive parts, motors, machine tools, assemblies, gears, metal & plastic parts, precision bearings

Electronic Manufacturing

Capacitors, ceramic substrates, PC boards, packaging components, quartz crystals

Medical & Dental

Burs, blood oxygenators, dental instruments, syringe parts, surgical instruments, surgical instruments, droppers, research laboratory equipment, glass containers, dental appliances, esophagoscopes, bronchoscopes, proctoscopes, laboratory utensils

Jewelry & Scientific

Chains, charms, coins, intricate settings, precious metals & gemstones, watches, eyeglass frames, lab glassware, optical & contact lenses, pipettes, scientific instruments, test tubes

Certifications

CE, ROHS, FCC, ISO9001:2008

How Ultrasonic Cleaning Works

Electrical energy is converted into mechanical vibrations through specialized transducers. These vibrations transfer into the fluid through 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, reaching even the smallest crevices.

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

Product Images



Frequently Asked Questions

What 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: Manual placement of medical utensils and cleaning fluid with intelligent automated cleaning

Health and Safety Protection: Avoids manual cleaning of sharp instruments contaminated with patient blood, reducing infection risk

Superior Cleaning Effect: Ultrasonic cavitation penetrates deep into appliance gaps, removing stubborn bacteria residues that manual cleaning cannot reach

Are you a trading company or a manufacturer?

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.



+86 13528763370



sales3@skymen.cc



skymenultrasonic.com