

Skymen 500L Large Stainless Steel Digital Industrial Ultrasonic Cleaner for Autoparts Car Repair

Our Product Introduction

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Basic Information

- Certification: CE, RoHS, ISO9001
- Minimum Order Quantity: 1
- Price: 3700



Product Specification

- Model NO.: JP-1108ST
- Inner Tank Size: 1000*900*600mm
- Package Size: 1300*1200*1150mm
- Capacity: 540L
- Timer: 1-99hours
- Optional Frequency: 40kHz/28kHz
- Transducer: 108
- Ultrasonic Power: 5400W
- Heating Power: 21000W
- Material: Stainless Steel SUS304/SUS316
- N.W/G.W: 310kg/330kg
- Machine Voltage: 380V 3 Phase
- Generator Voltage: AC 110V/220V
- Heater Range: 20°C To 95°C
- Basket Design: Layered



More Images



Product Description

Skymen 500L Large Stainless Steel Digital Industrial Ultrasonic Cleaner

Professional industrial ultrasonic cleaning system designed for automotive parts repair and maintenance applications.

Technical Specifications

Model No.	JP-1108ST
Ultrasonic Frequency	28,000 Hz / 40,000 Hz optional, or dual frequency
Material	Stainless Steel SUS304
Tank Capacity	540L
Timer	1~99 hours adjustable
Heater	20°C to 95°C adjustable
Machine Voltage	380V 3 phase
Generator Voltage	AC 110V/220V
Ultrasonic Power	5400W
Heating Power	21000 W
Generator	Customized
Washing Basket	1 piece
Caster	4 pieces
Drainage	Included
Cover	Included
Oil Skimmer	Attached tank with pump

Dimensions & Packaging

Tank Size	1000×900×600mm (L×W×H)
Unit Size	1200×1100×1000mm (L×W×H)
Package Size	1300×1200×1150mm (L×W×H)
Net Weight / Gross Weight	310kg / 330kg

Key Features

Premium Construction

Built with durable stainless steel SUS304 for long-lasting performance.

Advanced Controls

Power adjustable with clockwise control, LED display for timer and heater settings.

Complete Accessories

Includes stainless steel washing basket and lid for comprehensive cleaning solutions.

Superior Cleaning Performance

Ultrasonic cleaning solutions penetrate virtually any soil type including oils, residues, solvents, pastes and chemicals.

Warranty & Support

Backed by 1-year limited warranty with free exchange for defective items. Technical support available beyond warranty period.

Industry Applications

Designed for industrial instruments, hardware instruments, scientific laboratories, automotive parts, motors, machine tools, and more.

Certifications

CE

ROHS

FCC

ISO9001:2008

Specialized Applications

Medical & Dental

Clinics, tattoo shops, surgical instruments, dental burs, syringe parts

Precision Manufacturing

Jewelry, watches, optical lenses, electronic components, laboratory glassware

Industrial Parts

Gears, bearings, metal and plastic components, assemblies

Automotive Components

Cylinder heads, carburetors, injectors, transmission parts, brake systems

How Ultrasonic Cleaning Works

The ultrasonic cleaning system consists of an ultrasonic signal generator, transducer, and cleaning tank. High-frequency oscillation signals are converted into mechanical oscillations, creating ultrasonic waves in the cleaning liquid. These waves generate cavitation effects where microscopic bubbles form and collapse, producing intense localized pressure that effectively removes contaminants from even the most complex geometries and internal passages.

Detailed Application Guide

Scientific Laboratories

Eyeglass frames, lab glassware, optical and contact lenses, pipettes, scientific instruments, test tubes

Industrial Manufacturing

Assemblies, gears, metal and plastic parts, precision bearings

Electronic Manufacturing

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

Medical & Dental Laboratories

Burs, blood oxygenators, dental instruments, syringe parts, surgical instruments

Jewelry Manufacturing

Chains, charms, coins, intricate settings, precious metals and gemstones, watches

Product Gallery



Frequently Asked Questions

What automotive parts can be cleaned?

Cylinder heads, cylinder blocks, crankshafts, camshafts, carburetors, connecting rods, pistons, turbocharger components, diesel injectors, DPF filters, brake system components, gearbox and transmission components, radiators, and more.

How does ultrasonic cleaning benefit automotive parts?

In the automotive industry, ultrasonic cleaners provide industrial-strength cleaning action to: Remove carbon deposits from carburetors and engine parts; Eliminate stubborn oil, grease, lubricants, paint, rust, and dirt; Safely clean aluminum components; Penetrate and thoroughly clean small holes, apertures, and crevices; Clean sensitive parts including wiring and plastic without damage.

How do I choose the right frequency for automotive parts?

Ultrasonic cleaning machines typically use 28 kHz (with $\pm 2\%$ sweep system) for automotive parts. This frequency has been proven most effective for cleaning components in this sector, achieving optimal cleaning without damaging soft materials like aluminum, magnesium, and brass. For specialized requirements, we may recommend 40 kHz (with $\pm 2\%$ sweep system) based on specific cleaning needs and quality requirements.

What after-sales services are provided?

12-month warranty for Skymen ultrasonic cleaners. Any technical problems during the warranty period will be addressed with free replacement parts delivered to your location. Technical support remains available beyond the first year.



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