

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

Our Product Introduction

for more products please visit us on skymenultrasonic.com

Basic Information

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



Product Specification

- Dimensions: 1200*1100*1000mm
- Model NO.: JP-1108ST
- Optional Frequency: 40kHz/28kHz
- Heating Power: 21000W
- Material: Stainless Steel SUS304/SUS316
- Inner Tank Size: 1000*900*600mm
- Net Weight: 310kg
- Gross Weight: 330kg
- Transducer: 108
- Ultrasonic Power: 5400W
- Timer: 1-99hours
- Capacity: 540L
- Machine Voltage: AC220-240V/60Hz; AC380-400V/50Hz; 3 Phase
- Heater Temperature: 20°C To 95°C Adjustable



More Images



Product Description

Skymen 500L Large Stainless Steel Digital Industrial Ultrasonic Cleaner

Professional industrial ultrasonic cleaner designed for automotive parts, car repair, and industrial applications with advanced digital controls and stainless steel construction.

Product 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	AC220-240V/60Hz; AC380-400V/50Hz; 3 phase
Ultrasonic Power	5400W
Heating Power	21000 W
Generator	Customized
Washing Basket	1 piece
Caster	4 pieces
Drainage	Included
Cover	Included
Oil Skimmer	Attached tank, 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 stainless steel SUS304 construction
- Power adjustable with clockwise control, 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
- Safely lifts and disperses contaminants, leaving surfaces clean and free of particulate
- Effective cleaning in crevasses and internal bores

Applications

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

Certifications

CE, ROHS, FCC, ISO9001:2008

Specialized Applications

Medical and Dental Clinics

Tattoo Shops

Scientific Labs and Golf Clubs

Jewelers, Opticians, Watchmakers

Antique Dealers and Electronics Workshops

Technical Highlights

5400W ultrasonic power with 40 kHz frequency
Time setting: 1-99 hours adjustable
Temperature setting: 20-95°C adjustable
Ideal for cleaning electronic tools, jewelry, glasses, dental instruments
Stainless steel cleaning basket reduces friction for delicate objects
1-Year Warranty: Backed by 1-year limited warranty with free exchange for defective items

How Ultrasonic Cleaning Works

The ultrasonic cleaning machine 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 alternating positive and negative pressure, causing countless tiny bubbles to form and burst (cavitation effect). When bubbles burst, they create instantaneous high pressure exceeding 1000 atmospheres, producing explosions that release massive energy. This energy continuously impacts workpiece surfaces, effectively removing dirt from surfaces and gaps to achieve thorough purification.

Detailed Application Areas

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

Automotive Parts Cleaning FAQ

What automotive parts can be cleaned?

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

How does ultrasonic cleaning benefit the auto parts industry?

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

How to choose frequency for automotive parts?

Ultrasonic cleaning machines typically use 28 kHz frequency (with $\pm 2\%$ sweep system) for automotive parts. This frequency provides optimal cleaning effectiveness without damaging soft materials like aluminum, magnesium, and brass. For specific requirements, 40 kHz frequency (with $\pm 2\%$ sweep system) may be recommended.

After-Sales Services

12-month warranty for Skymen ultrasonic cleaners. During warranty period, free replacement parts will be delivered to your location for any technical problems. Technical support remains available after the first year.



Skymen Technology Corporation Limited



+86 13528763370



sales3@skymen.cc



skymenultrasonic.com