

175L Electric Multi-Function High Efficiency Auto Parts Mechanical Industrial Ultrasonic Cleaner

Our Product Introduction

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Basic Information

- Certification: CE, RoHS, ISO9001
- Minimum Order Quantity: 1
- Price: 1960



Product Specification

- Model NO.: JP-480ST
- Inner Tank Size: 700*500*500mm
- Package Size: 1090*835*970mm
- Capacity: 175L
- Timer: 1-99hours
- Optional Frequency: 40kHz/28kHz
- Transducer: 48
- Ultrasonic Power: 2400W
- Heating Power: 6000W
- Material: Stainless Steel SUS304/SUS316
- Machine Voltage: 380V 3 Phase
- Generator Voltage: AC 110V/220V
- Heater Range: 20°C To 95°C
- Net Weight: 128kg
- Gross Weight: 152kg



More Images

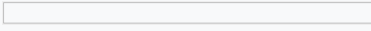


Product Description

175L Electric Multi-Function High Efficiency Auto Parts Mechanical Industrial Ultrasonic Cleaner

Skymen 175L Large Capacity Single-Tank Industrial Medical Ultrasonic Cleaner - Professional grade cleaning solution for industrial applications.

Product Specifications

| | |
|----------------------|------------------------------------------------------------------------------------|
| Model No. | JP-480ST |
| Image |  |
| Ultrasonic Frequency | 28,000 Hz/40,000Hz optional, or dual frequency |
| Material | Stainless Steel SUS304 |
| Tank Capacity | 176L |
| Timer | 1~99 hours adjustable |
| Heater | 20°C to 95°C adjustable |
| Machine Voltage | 380V 3 phase |
| Generator Voltage | AC 110V/220V |
| Ultrasonic Power | 0-2400W |
| Heating Power | 6000 W |
| Generator | Customized |
| Washing Basket | 1 piece |
| Caster | 4 pieces |
| Drainage | Included |
| Cover | Included |
| Oil Skimmer | Attached tank, pump |

Physical Dimensions & Packaging

| | |
|---------------------------|------------------------|
| Tank Size | 700×500×500mm (L×W×H) |
| Unit Size | 975×755×810mm (L×W×H) |
| Package Size | 1090×865×970mm (L×W×H) |
| Net Weight / Gross Weight | 128kg / 152kg |
| Warranty | 1 Year |

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

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

Certifications

CE, ROHS, FCC, ISO9001:2008

Professional Applications

Medical and Dental Clinics, Tattoo Shops, Scientific Labs, Golf Clubs, Jewelers, Opticians, Watchmakers, Antique Dealers, and Electronics Workshops.

Technical Specifications

2400W ultrasonic power; Time setting: 1-99 minutes; Temperature setting: 20-95°C; 40 kHz frequency.

Cleaning Capabilities

Perfect for cleaning electronic tools, jewelry, glasses, dental instruments, and more.

Stainless Steel Basket

Reduces friction between small objects and the tank during cleaning.

1-Year Warranty

Backed by 1-year limited warranty with free exchange if the item is defective.

Skymen Single with Filter Series

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 oscillation, creating ultrasonic waves in the cleaning liquid. These waves radiate forward, causing numerous tiny bubbles to generate and burst continuously - known as the cavitation effect. When bubbles burst, they create instantaneous high pressure exceeding 1000 atmospheres, producing explosions that release massive energy. This creates powerful impacts that continuously clean workpiece surfaces, effectively removing dirt from surfaces and gaps to achieve thorough purification.

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

Product Gallery

Company Profile

Skymen - Professional ultrasonic cleaning solutions manufacturer.

Frequently Asked Questions

What auto 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 the ultrasonic cleaner play a role in the auto parts industry?

In the automotive 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 any aluminum parts; Penetrate and thoroughly clean small holes, small apertures, and crevices; Clean sensitive parts including wiring and plastic without damage.

How do I choose frequency for my auto parts?

Ultrasonic cleaning machines use the working frequency of 28 kHz (with a $\pm 2\%$ sweep system) for auto parts. This has been determined as the most effective for cleaning components within the sectors described above, as it achieves the best cleaning without damaging any soft materials like aluminum, magnesium, brass etc. For cleaning requirements not specified above, we may occasionally recommend an alternative frequency, or where the quality requirements of the client are very particular and 40 kHz (sweep system $\pm 2\%$).

How about after sales services?

12 months warranty for SKYMEN ultrasonic cleaner. Any technical problem during warranty time, free replacement parts will be sent to your door. And technical support is also available after 1 year.



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