



## Industrial 175L Ultrasonic Cleaning Machine for Hard Parts Rust Treatment at 28/40 KHz

### Our Product Introduction

#### Basic Information

- Place of Origin: China
- Brand Name: Sky men
- Certification: CE FCC ROHS ISO9001
- Model Number: JP-480ST
- Minimum Order Quantity: 1
- Price: Negotiation
- Packaging Details: Wooden case
- Delivery Time: 5-8 working days
- Payment Terms: T/T
- Supply Ability: 800 units per month



#### Product Specification

- Highlight: Rust Treatment Industrial Ultrasonic Cleaning Machine, Hard Parts Ultrasonic Cleaning Machine, 175L Industrial Ultrasonic Cleaning Machine

for more products please visit us on [skymenultrasonic.com](http://skymenultrasonic.com)

## Product Description

### Specification

Model	JP-480ST
Tank Volume	175L
Tank Material	Stainless Steel 304 (2mm thickness)
Inner Tank Size	700*500*500mm(L*W*H)
Frequency	28 / 40KHz for option
Transducers	48pcs
Ultrasonic Power	2400W
Heating Power	6000W
Heating Temp	20-95°C adjustable
Timer	1-99 hours adjustable
Power Supply	3PH 380V, 50Hz,
Unit Size	1090*835*970mm(L*W*H)
Warranty	1 year and technical support for life

### Images

**SKYMEN INDUSTRY ULTRASONIC CLEANER**

  
Automotive

  
Marine

  
Aero

  
Metal Parts

  
Tools

  
Electronic

 Fast delivery large stock

 Self-developed circuit board

 Self-developed ultrasonic transducer

 With CE/ROHS/FCC/ISO9001 certificate

 13 years ultrasonic technical manufacturer

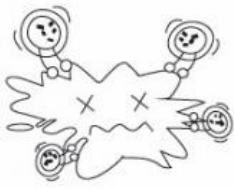
**175L**



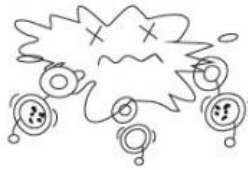
How does Ultrasonic Cleaner work?

## DIRT ELIMINATION PROCESS THROUGH ULTRASONIC TECHNOLOGY

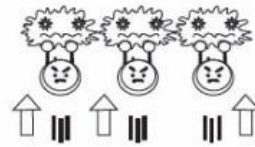
- Cleaning effect will be much better if using the machine together with proper solvent.



As ultrasonic wave through the solution in the tank, cause alternating high and low pressures in the solution.



During the low pressure stage, millions of microscopic bubbles form and grow. This process is called "CAVITATION".



During the high pressure stage, the bubbles implode releasing enormous amounts of energy. They work in all directions, attacking surface and invading all recesses and openings.

### Features of Skymen Ultrasonic Cleaner

**Ultrasonic Transducers** – Generates high-frequency sound waves (typically 28/40 kHz for option) to create microscopic bubbles (cavitation) that clean surfaces thoroughly.

**Heating Element** – Includes a heater to warm the cleaning solution, 20-95°C adjustable, improving cleaning efficiency, especially for greasy or stubborn contaminants.

**Timer Control** – Allows users to set cleaning durations (usually 1–99 minutes) for optimal results without overexposing items.

**Stainless Steel Tank** – Skymen ultrasonic cleaners have a durable, corrosion-resistant tank to hold cleaning solutions and withstand long-term use.

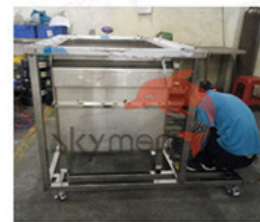
## PRODUCTION PROCESS



① Raw Material



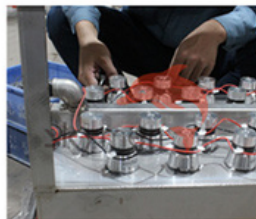
② Board Cutting



③ Tank Welding



④ Transducer Installation



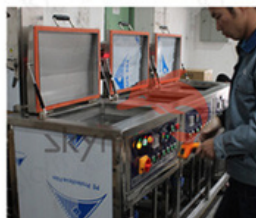
⑤ Skymen Transducer Wiring



⑥ Tank Polishing



⑦ Assembling



⑧ Age Testing



⑨ Skymen Factory Shipping

### Application Fields

**Machinery industry:** Removing rust and grease for machinery Parts, Engine, carburetor, filter and automobile parts cleaning. Especially in the railway industry, removing oil, rust and dust for air condition and other train parts.

**Surface treatment industry:** Degreasing derusting before plating, Ion plating before cleaning, phosphating, remove carbon deposition, oxidation and polishing paste

**Instrument industry:** precision parts cleaning

**Electronic industry:** remove Rosin and welding spot for p.c.b. boards, machinery parts cleaning

**Medical industry:** medical apparatus and instruments cleaning and disinfecting

**Semiconductor industry:** Semiconductor chips etc.

**Jewellery & Watch industry:** Remove oil sludge, dust, oxidation layer, polishing paste. Etc.

**Chemical biology industry:** labwares' cleaning and descaling

**Optics industry:** Optical vessels oil, sweat and dust removal

**Textile printing and dyeing industry:** textile spindle, spinneret plate cleaning.

**Petroleum chemical industry:** Metal screen cleaning, chemical containers and switches' cleaning



Remove Oil



Remove Rust



Remove Dust

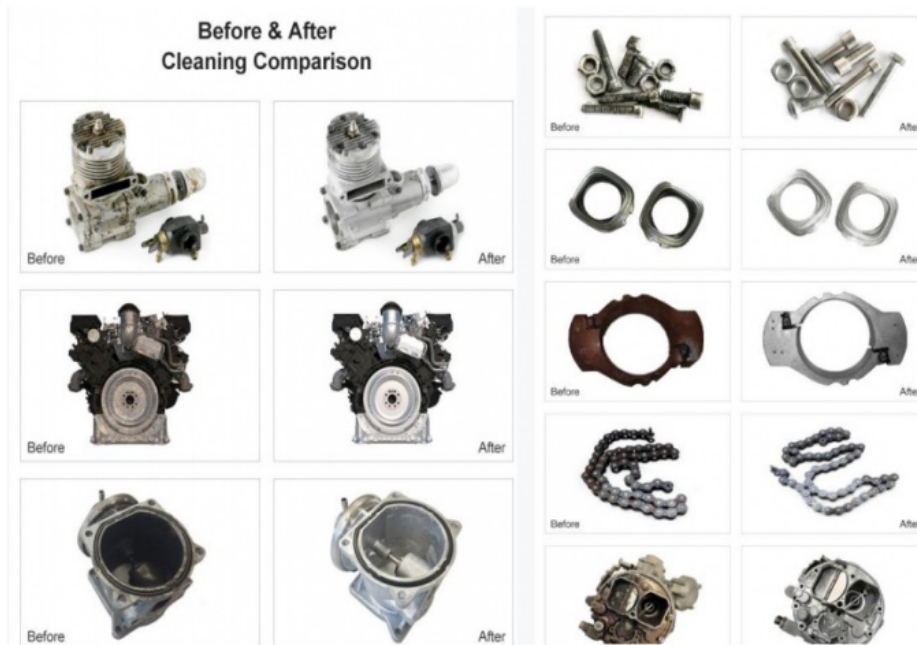


Remove Paint



Remove Rosin

### Cleaning Effect



### After-sales Service:

For all Skymen products, we provide:

1. test at least 2 days before out of factory,
2. take photos for you confirm all the details
3. 1 year warranty and lifetime technical supports, free parts will be sent for any quality problems during warranty time.

### COMPANY STRENGTH

Skymen is a leading manufacturer and national high-tech enterprise, was founded in 2007. There are 2 factories of Skymen, one is located in Shenzhen, closed to HongKong. And the other is located in Shaoguan, Guangdong province, China. Over the years, we have been focusing on the research and development of ultrasonic equipment and cleaning solutions, with more than 350 employees and a factory area of 39,000 square meters.





## COOPERATED CUSTOMERS



**Skymen Technology Corporation Limited**

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