



53 Liters 28/40 KHz Ultrasonic Cleaning Equipment For Removing Heavy Oil Stain Rust Degrease

Basic Information



Product Specification



Our Product Introduction

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Product Description

Specification

Model	JP-180ST
Tank Volume	53L
Tank Material	Stainless Steel 304 (2mm thickness)
Inner Tank Size	500*350*300mm(L*W*H)
Frequency	28 / 40KHz for option
Transducers	18pcs
Ultrasonic Power	900W
Heating Power	1500W
Heating Temp	20-95°C adjustable
Timer	1-99minutes adjustable
Generator	Built-in
Unit Size	680*550*735 mm(L*W*H)
Power Supply	AC 100 ~ 120V, 50 / 60Hz, AC 220 ~ 240V, 50 / 60 Hz

Images



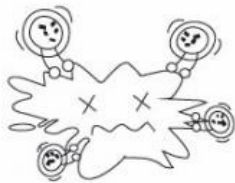
Operation Panel Analysis



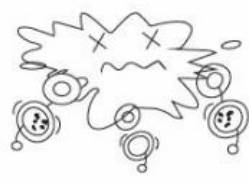
How does Ultrasonic Cleaner work?

DIRT ELIMINATION PROCESS THROUGH ULTRASONIC TECHNOLOGY

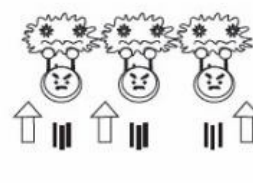
- Cleaning effect will be much better if using the machine together with proper solvent.



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.

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

Before & After Cleaning Comparison



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 Skyman, 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



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