



## 960 Liters 28/40 KHz Ultrasonic Cleaner For Aerospace Industry

### Our Product Introduction

#### Basic Information

- Place of Origin: China
- Brand Name: Sky men
- Certification: CE FCC ROHS ISO9001
- Model Number: JP-1144ST
- Minimum Order Quantity: 1
- Price: Negotiation
- Packaging Details: Wooden case
- Delivery Time: 15-20 working days
- Payment Terms: T/T
- Supply Ability: 800 units per month



#### Product Specification

- Highlight: 40 KHz Ultrasonic Cleaner,  
Aerospace Industry Ultrasonic Cleaner,  
960 Liters Ultrasonic Cleaner



## Product Description

### Specification

Model	JP-1144ST
Tank Volume	960L
Tank Material	Stainless Steel 304 (2mm thickness)
Inner Tank Size	1200*1000*800mm(L*W*H)
Frequency	28 / 40KHz for option
Transducers	144pcs
Ultrasonic Power	0~7200W (0~100% adjustable)
Heating Power	24KW
Heating Temp	20-95°C adjustable
Timer	1-99 hours adjustable
Power Supply	3PH 380V, 50Hz,
Warranty	1 year and technical support for life

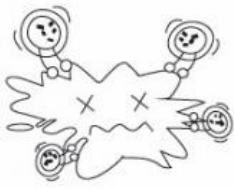
### Image



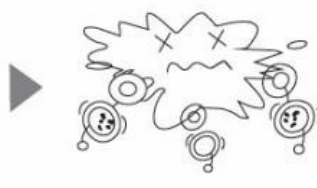
How does Ultrasonic Cleaner work?

## DIRT ELIMINATION PROCESS THROUGH ULTRASONIC TECHNOLOGY

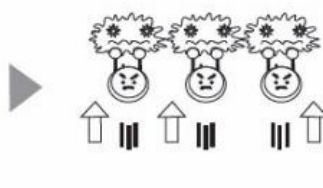
- Cleaning effect will be much better if using the machine together with proper solvent.



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

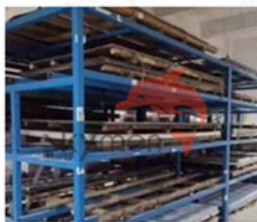
**Ultrasonic Transducers** – Generates high-frequency sound waves (typically 28/40 kHz for option) to create microscopic bubbles (cavitation) that clean surfaces thoroughly.

**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 hours) 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.

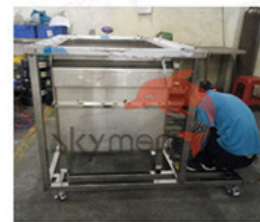
## PRODUCTION PROCESS



1 Raw Material



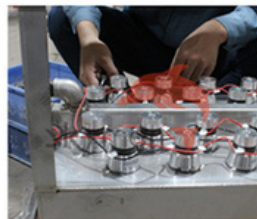
2 Board Cutting



3 Tank Welding



4 Transducer Installation



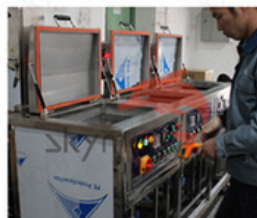
5 Skymen Transducer Wiring



6 Tank Polishing



7 Assembling



8 Age Testing



9 Skymen Factory Shipping

### Application Fields

Ultrasonic cleaning machines are widely used across various industries due to their ability to clean delicate, complex, and heavily soiled items efficiently. Here are some key application fields:

#### 1. Medical & Healthcare

Surgical instruments (forceps, scalpels, scissors)

Dental tools (drills, implants, prosthetics)

Laboratory equipment (glassware, pipettes)

Endoscopes and biopsy tools

## **2. Automotive & Aerospace**

Engine parts (fuel injectors, carburetors)

Brake components

Turbine blades

Aircraft hydraulic systems

## **3. Electronics & Semiconductors**

Printed Circuit Boards (PCBs)

Wafer cleaning in semiconductor manufacturing

Connectors and switches

Optical lenses and sensors

## **4. Jewelry & Watchmaking**

Removing dirt, grease, and polishing residues

Cleaning intricate designs in rings, chains, and watches

## **5. Manufacturing & Metalworking**

Machined parts (gears, bearings)

Removing cutting oils and metal shavings

Wire drawing and extrusion dies

## **6. Optics & Precision Instruments**

Camera lenses, mirrors, and prisms

Laser components

Microscopes and telescopes

## **7. Printing Industry**

Cleaning printing rollers, plates, and screens

Removing ink residues

## **8. Food & Beverage Industry**

Bottle and container cleaning

Conveyor belts and processing equipment

## **9. Firearms & Defense**

Gun barrels, bolts, and small firearm components

Military equipment maintenance

## **10. Renewable Energy (Solar & Wind)**

Cleaning photovoltaic panels

Wind turbine components

## **11. Art Restoration & Conservation**

Delicate cleaning of historical artifacts, coins, and sculptures

## **12. Pharmaceutical & Biotechnology**

Cleaning lab glassware and bioreactors

Sterilization of equipment



Remove Oil



Remove Rust



Remove Dust



Remove Paint



Remove Rosin

### **Cleaning Effect**



### Before & After Cleaning Comparison



Before



After



Before



After



Before



After



Before



After



Before



After



Before



After



Before



After



Before



After

### 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 CERTIFICATIONS



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