

Custom Industrial Ultrasonic Cleaning Machine for Large Components

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: Skymen/OEM
- Certification: CE, RoHS, FCC
- Minimum Order Quantity: 1
- Price: Negotiation
- Packaging Details: 1pcs / wooden case packing
- Delivery Time: In Stock



Product Specification

- Transducer: 216-1512pcs
- Capacity: 1500-20480 L
- Tank Size: 1500*1000*1000-8000*1600*1600mm
- Heating Power: 36000-48000W
- Ultrasonic Power: 10800-75600W
- Temp Control: RT-95°C
- Ultrasonic Frequency: 28/40 KHz
- Filtration System: YES
- Highlight: Large Component Ultrasonic Cleaning Machine, Custom Industrial Ultrasonic Cleaning Machine, Heavy Duty Component Ultrasonic Cleaner



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Large Tank Ultrasonic Cleaning Machine

Product Overview

The Large Tank Ultrasonic Cleaning Machine is specifically designed for cleaning oversized and heavy-duty industrial components, including heat exchangers, large engines, aerospace parts, and other complex workpieces. Available in capacities ranging from 1500L to 20480L, it delivers powerful and efficient cleaning performance for large-scale industrial applications.

Built with high-quality stainless steel and manufactured using pure manual argon arc welding, the machine offers exceptional durability, corrosion resistance, and high-temperature performance. The independent generator control system ensures stable ultrasonic output, while the built-in memory chip retains operating parameters for convenient and reliable operation.

Product Features

- Large capacity options from 1500L to 20480L
- PLC intelligent control for automated operation
- Powerful ultrasonic cleaning for large and complex components
- Integrated single-tank filtration system
- Independent ultrasonic generator control system
- Memory chip stores operating parameters
- Pure manual argon arc welding construction
- Durable SUS304/SUS316 stainless steel structure
- Optional ladders, platforms, and crane systems
- Fully customizable design based on cleaning requirements

Applications

- Heat Exchangers
- Large Engines
- Aircraft Components
- Turbine Parts
- Mining Equipment
- Oil & Gas Components
- Marine Equipment
- Heavy Industrial Machinery

Customization Services

Technical Parameter

Model	Tank Size (MM)	Capacity (L)	Transducer (pcs)	Ultrasonic Frequency(K Hz)	Ultrasonic Power(W)	Heating Power(W)	Temp Control()	Filtration System
JP-1216ST	1500*1000*1000	1500	216	28/40	0-10800	36000	RT-95	YES
JP-1288ST	2000*1200*800	1920	288	28/40	0-14400	36000	RT-95	YES
JP-1360ST	2000*1200*1000	2400	360	28/40	0-18000	36000	RT-95	YES
JP-1432ST	2000*1500*1200	3000	432	28/40	0-21800	36000	RT-95	YES
JP-1576ST	2500*1500*1200	4500	576	28/40	0-28800	36000	RT-95	YES
JP-1648ST	3000*1500*1200	5400	648	28/40	0-32400	36000	RT-95	YES
JP-1720ST	4000*1600*1000	6400	720	28/40	0-36000	36000	RT-95	YES
JP-1936ST	3500*1600*1300	7280	936	28/40	0-45800	36000	RT-95	YES
JP-11152ST	2500*2000*1700	8500	1152	28/40	0-57600	36000	RT-95	YES
JP-11224ST	3200*2000*1500	9600	1224	28/40	0-61200	36000	RT-95	YES
JP-11368ST	8000*1200*1200	11520	1368	28/40	0-68400	36000	RT-95	YES
JP-11512ST	8000*1600*1600	20480	1512	28/40	0-75600	48000	RT-95	YES

Cleaning Effect



Company Profile

Founded in 2007, Skymen is a National High-Tech Enterprise in research and development, engineering, manufacturing, and sales of industrial cleaning systems. Our technology covers ultrasonic cleaning, megasonic cleaning, vacuum hydrocarbon cleaning, high-pressure spray cleaning, wet cleaning, and plasma surface treatment. With more than 18 years of experience, over 350 skilled employees, and a 35,000 square meters modern production facility, we provide both standardized equipment and customized cleaning solutions for manufacturing industries with demanding cleanliness and process consistency requirements.

FAQ

Q1: What is the available capacity range?

A1: Standard capacities range from 1500L to 20480L, with custom sizes available according to customer requirements.

Q2: What types of parts can be cleaned?

A2: The machine is suitable for heat exchangers, engines, aircraft parts, turbine components, mining equipment, and other large industrial workpieces.

Q3: Does the machine support automatic operation?

A3: Yes. The PLC intelligent control system enables automated cleaning processes and precise parameter management.

Q4: Can the machine be customized?

A4: Yes. Tank dimensions, lifting systems, filtration systems, frequencies, power configurations, platforms, and cranes can all be customized.

Q5: What are the benefits of the filtration system?

A5: The filtration system continuously removes contaminants from the cleaning solution, extending solution life, reducing maintenance, and ensuring stable cleaning performance.

Q6: What warranty is provided?

A6: The machine comes with a 1-year warranty and lifetime technical support. Free replacement parts are provided for quality-related issues during the warranty period.



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