

## 203 Fahrenheit Ultrasonic Cleaning Machine 1500W 40khz SUS304

Our Product Introduction

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

### Basic Information

- Place of Origin: China
- Brand Name: SKYMEN
- Certification: CE, RoHs, FCC
- Model Number: JTS-1030
- Minimum Order Quantity: 1
- Price: Negotiation
- Packaging Details: wooden case
- Delivery Time: In Stock
- Supply Ability: 1000 pcs per month



### Product Specification

- Feature: Electrolysis
- Cleaning Type: Immersion / Soak
- Power: 1500W+3000W
- Dimension(L\*W\*H): 550 X 450 X 400mm
- Application: Clean Precision Mold
- Temperature Setting: 95 Celsius / 203 Fahrenheit
- Ultrasonic Frequency: 28KHz/40KHz
- Transducer: 30pcs
- Highlight: 203 Fahrenheit Ultrasonic Cleaning Machine, 40khz SUS304 Ultrasonic Cleaning Machine, 1500W Sonic Ultrasonic Cleaner



### More Images



## Product Description

### 40khz Ultrasonic Electrolysis Mold Cleaning Machine for precision plastic molds hardware module inserts

## Features:

#### Process flow

electrolytic cleaning → washing with city water → anti-rust

#### Main components

ultrasonic generation system, electrolysis circuit system, circulating filtration system

#### Working principle

Use the mold or the workpiece to be cleaned as the cathode (just put it in the cleaning frame), and use the standard electrode rod as the anode. The use of electrolyzed water produces oxygen at the anode and hydrogen at the cathode. During the operation, a large amount of hydrogen is generated on the surface of the workpiece, so that the dirt is quickly decomposed and peeled off from the surface of the workpiece; at the same time, the cavitation effect of ultrasonic waves is used to cause countless small bubbles to collide with the object. Impact blasting the dirt on the workpiece to automatically peel off the dirt. At the same time, chemical cleaning liquid should be used to make the dirt decompose rapidly through a sufficient chemical reaction. In this way, even the difficult-to-clean parts, such as the grooves, grooves, corners, holes, holes, bites and other complicated parts inside the mold, will be cleaned cleanly, and the mold will show a brilliant metallic luster from the inside to the outside.

The cleaned molds are rinsed with water, and then soaked with special water-based rust inhibitor for steel. This anti-rust agent can quickly remove the moisture on the surface of the mold and form a protection on the surface of the mold. It can be stored or reprocessed after air-drying. Re-production will not produce carbides attached to the mold.

#### Scope of application:

plastic molds,  
hardware molds,  
optical mirror molds,  
rubber molds,  
medical equipment,  
auto parts molds, etc.

Used for cleaning precision plastic molds, hardware, modules, mold cores, inserts, decontamination, high-temperature carbon deposits, sulfides, gas, degreasing, and rust removal.

Note: Various non-standard models and sizes can be customized according to customer requirements

## Principle of electrolytic mold cleaning machine

Electrolysis is the process of chemical decomposition of substances under the action of electric current. During the electrolysis process, the dirt on the metal surface begins to fall off, and the peeling is accelerated under the impact of ultrasonic waves. The metal surface is stained with animal and vegetable oils, minerals Oil, paraffin, carbon deposit, oxide layer. Use electrolysis to remove these dirt.

When the current passes through the mold electrolytic cleaning agent containing a special formula, oxygen is generated near the positive electrode of the electrolytic cell, and hydrogen is generated at the negative electrode. Put the metal parts to be cleaned into the positive electrode of the electrolytic cell, and there will be fines on the metal surface during the electrolysis process. These small bubbles cause the dirt to peel off the metal surface.

Ultrasonic cleaning is a process in which a 40KHZ high-frequency power supply is used to convert the transducer to mechanical energy from electrical energy. During this process, the transducer transfers huge energy to the cleaning tank solution. Generate positive and negative pressure zones in the liquid, forming tens of thousands of cavitation bubbles, which continue to form explosions, impact the surface of the cleaned metal object, and quickly release the dirt on the metal surface. To clean the mold and restore the mold true color.

#### Product Parameters

Model Number	JTS-1030
Function	Electrolysis + Hot water cleaning
Ultrasonic Frequency	28/40kHz (other frequency can be customized 20KHz 68KHz, 80KHz, 132KHz)
Tank Material	SUS304 (SUS 316 can be customized)
Thickness of tank	2mm
Inner tank dimension	550*450*400mm / 31*12*16 inch (Length*width*deep)
Machine dimension	1000*900*1000mm (Length*width*height)
Packing dimension	1100*1000*1200mm (Length*width*height)
Gross weight of machine	130KG

Tank Capacity	99 Liter / 26 Gallon
Transducer	30pcs; 50W for each transducer; 100W transducer can be customized
Ultrasonic Power	1500W
Heating Power	3000W
Time setting of Ultrasonic	0~99 hours
Temperature setting	Room temperature ~ 95°C / 203°F adjustable
Drain hole	On the bottom of inner tank
Water inlet/outlet	Yes; 20mm
Basket	Yes; ,
Basket load	More than 200KG
Length of power line	1.5 meters
Power supply	220V 50Hz; 110V 60Hz
Warranty	1 year
Certificate	CE; RoHS; FCC; REACH
Lead time	25 days after payment

Cleaning Effect

#### Same Series Machine List

Model	Tank size (cm)	Capacity (L)	Transducer (pcs)	Ultrasonic power (W)	Heating power (W)	Frequency (kHz)	Generator (set)
JP-120ST	50*30*25	38	12	600	1500	28/40	0
JP-180ST	50*35*30	53	18	900	1500	28/40	0
JP-240ST	55*40*35	77	24	1200	3000	28/40	0
JP-300ST	55*45*40	99	30	1500	3000	28/40	0
JP-360ST	60*50*45	135	36	1800	4500	28/40	1
JP-480ST	70*50*50	175	48	2400	6000	28/40	2
JP-600ST	80*60*55	264	60	3000	6000	28/40	2
JP-720ST	100*60*60	360	72	3600	9000	28/40	2
JP-1108ST	100*90*60	540	108	5400	18000	28/40	3
JP-1144ST	120*100*80	960	144	7200	24000	28/40	4

#### Company Profile

**Skymen Cleaning Equipment Shenzhen Co. Ltd.**, that has worked on ultrasonic cleaner for more than 13 years. Our ultrasonic products fully range from mini household ultrasonic cleaner, benchtop stainless steel small ultrasonic cleaner, and industrial large tank ultrasonic cleaner as well as Immersible ultrasonic transducer system. Our company devotes to research and development, with strong engineer teams. Otherwise, we accept customer's idea and want to develop new products together.

□



**Skymen Technology Corporation Limited**



86-755-27094405



info@skymen.cc



skymenultrasonic.com

Floor 1st & 2nd, Building 3, Tanggang Taifeng Industrial Park, Dawangshan Community, Shajing Street, Bao'an District, Shenzhen