



3 Stages Ultrasonic PCB Cleaner 77L Tank IPA Cleaning Media Explosion Proof

Our Product Introduction

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Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: SkyMen
- Certification: RoHS, CE, FCC, SGS
- Model Number: JTM-3048H
- Minimum Order Quantity: 1
- Price: 8000USD / UNIT
- Packaging Details: Wooden case
- Delivery Time: In Stock
- Payment Terms: T/T
- Supply Ability: 800 pcs per month



Product Specification

- Tank Dimension: 550x400x350mm
- Tank Capacity: 77l
- 1st Tank: Ultrasonic Cleaning
- 2nd Tank: Ultrasonic Rinsing
- 3rd Tank: Hot Air Drying
- Cleaning Media: IPA
- Explosion Proof System: Available
- Cooling System For IPA: Available
- Highlight: **3 Stages Ultrasonic PCB Cleaner, Ultrasonic PCB Cleaner 77L Tank, Explosion Proof ultrasonic pcb cleaning machine**



More Images



Product Description

3 Stages Ultrasonic PCB Cleaner with Cleaning and Rinsing in IPA Removeing Resin, With Drying Tank

Description of ultrasonic PCB cleaner

1st tank details (ultrasonic cleaning + filter)

Capacity: 77 L
Internal tank inner dimension: 550X400X350mm (L*W*D)
Stainlesssteel basket size: 500x350x320mm
Transducer: 24pcs
External generator: 1pc
Ultrasonic frequency: 40khz
Ultrasonic power: 1200W
Heating power: 3000W
Timer: 1 min-99 hours adjustable
Heater: room temperature to 95°C adjustable
Filtration system(overflow tank, water pump, pressure gauge,filter element)
Cleaning media: Tap water

2nd tank details (Ultrasonic + bubbling)

Capacity: 77 L
Internal tank inner dimension: 550X400X350mm (L*W*D)
Stainlesssteel basket size: 500x350x320mm
Transducer: 24pcs
External generator: 1pc
Ultrasonic frequency: 40khz
Ultrasonic power: 1200W
Heating power: 3000W
Timer: 1 min-99 hours adjustable
Heater: room temperature to 95°C adjustable
Additional function: Air Bubble Agitation (need to connect user's air compressor)
Cleaning media: IPA

3rd tank details (hot air drying)

Capacity: 77 L
Internal tank inner dimension: 550X400X350mm (L*W*D)
Stainlesssteel basket size: 500x350x320mm
Air blower: 750W
Heating power: 6000W
Timer: 1 min-99 hours adjustable
Heater: room temperature to 120°C adjustable

General of ultrasonic pcb cleaner

Power supply: machine AC380V,50HZ,3 Phase
Load weight: 50KGS
Tank material: SUS304 Thickness 2mm
With support feet, castor, Inlet valve and drainage valve, electric box, lid, 3 baskets
Machine weight: 330KG
Machine dimension: 2400xx1400x900mm
Lead time: 25 working days after deposit

Please note for ultrasonic PCB cleaner:

1. If your PCB can be put in water, then you can use tap water in 1st tank for rough clean, this step can remove 80% rosin. Then move basket to 2nd tank, it's better to use IPA solvent in 2nd tank, with the help of IPA, 99% rosin can be removed.
2. If your PCB cannot immerse in tap water, please use IPA or other PCB detergent in all tank.

Features of Ultrasonic PCB Cleaner

Benefits

1. Easy control.
2. Long life span
3. Economy of space
4. Minimal pollution for working place

5. No disassembly in transport
6. Fast cleaning
7. Saving detergent
8. Saving water
9. Saving labor
10. Saving time
11. Thoroughly cleaning
12. Safety for workers
13. Friendly to environment

Unique selling points

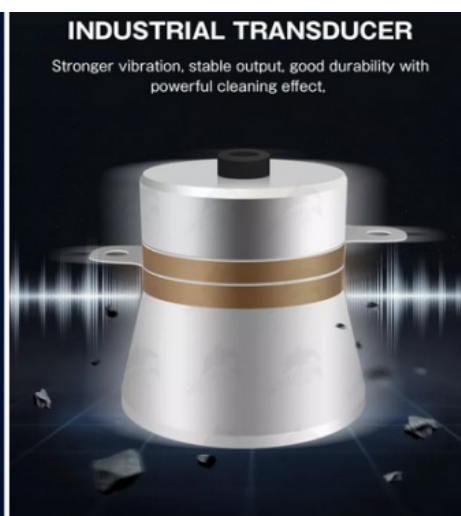
1. (Waste) water savings
2. Higher cleaning level
3. Noise reduction
4. Cleaning speed
5. Safety level
6. Environmental aspects
7. Staff expenses savings
8. Energy savings
9. Maintenance costs savings
10. Minimal damage to items
11. With Oil skimmer and separator
12. With Overflow tank
13. With hydraulic lifting system

Data sheet of ultrasonic PCB cleaner

Specifications of Ultrasonic PCB cleaner	
1st tank specification	
Function	Ultrasonic cleaning
Ultrasonic Frequency	40kHz
Tank Material	SUS 304
Inner tank dimension	550x400x350mm
Tank Capacity	77L
Transducer	24pcs
Ultrasonic Power	1200W
Heating Power	3000W
Time setting of Ultrasonic	0~99 hours
Temperature setting	Room temperature ~ 95°C adjustable
Generator	1 set
Cooling system	1 set, with water pump, overflow tank, filter element
2nd tank specification	
Function	Ultrasonic rinsing
Ultrasonic Frequency	40kHz
Tank Material	SUS 304
Inner tank dimension	550x400x350
Tank Capacity	77L
Transducer	30pcs

Ultrasonic Power	1200W
Heating Power	3000W
Time setting of Ultrasonic	0~99 hours
Temperature setting	Room temperature ~ 95°C adjustable
Generator	1 set
3rd tank specification	
Function	Hot air drying tank
Inner tank dimension	32 x 24 x 22 inch / 800 x 600 x 550mm
Turbines power	750W
Dryer power	6000W
Temperature setting	20~120°C adjustable
General	
Power supply	3 phase power, 380V/50Hz; 220V/60Hz
Gross weight(no lifting)	500KG
Gross weight(with lifting)	750KG
Overall size(no lifting)	3000 x 1600 x 1000mm
Overall size(with lifting)	4000 x 1600 x 1700mm
Production time	25 working days

Details Images

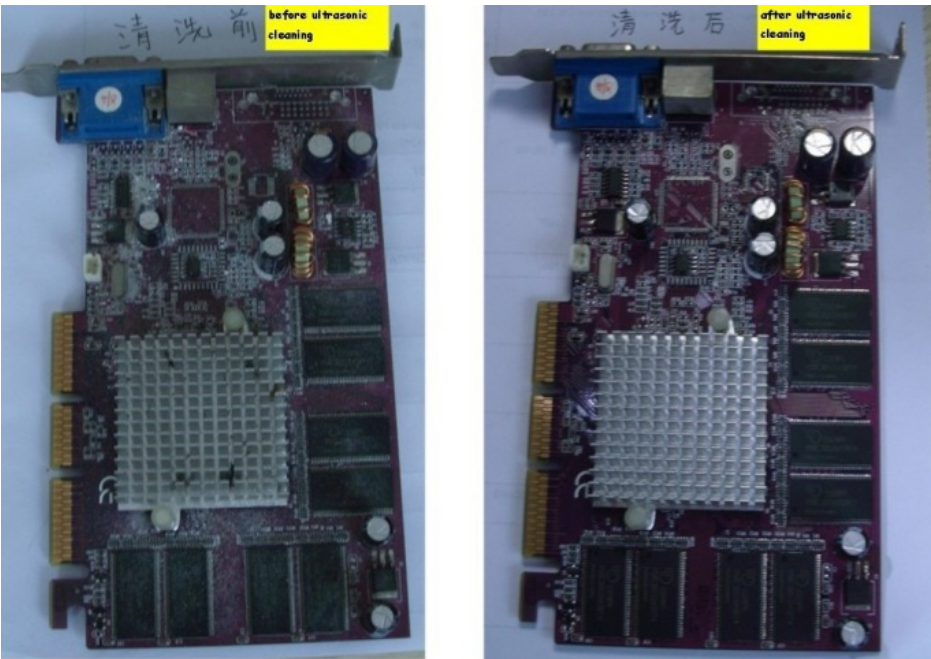


Characteristics

Ultrasonic activity operates on similar principles to sound waves. As electrical energy is transferred to mechanical energy, it causes positive and negative pressure waves that generate microscopic bubbles that form on all surfaces throughout the component being cleaned. But these are no ordinary bubbles. The air bubbles in the fluid in ultrasonic cleaning equipment implode when they come into contact with a solid surface. This effect is known as cavitation. When the air bubbles implode, a powerful jet of fluid is created which comes into contact with the surfaces of the objects being cleaned at extremely high pressures and temperatures. This dynamic effect separates contaminants from all surfaces without damaging the object in any way. These micro-jet shock waves, combined with special ultrasonic cleaning solvents, remove bitumen, heavy oils, fats lime scale deposits and other (chemical) waste products in refineries much faster and more thoroughly than conventional methods (high pressure, steam, mechanical and chemical cleaning).

Usage: The system is developed to generate a faster and higher cleaning level by means of ultrasonic power, in combination with specialized chemicals (degradable). Due to the microscopic level a perfect inner and outer penetration will be created.

Cleaning Effect of Ultrasonic PCB cleaner



Same Series Machine List of Ultrasonic PCB Cleaner

Model No.	Inner Tank Dimension	Tank Volume	Ultrasonic Power	Heating Power
JTM-3024GH	20 x 12 x 10 inch	10 Gallon	600W x 2	1500W x 3
JTM-3036GH	20 x 14 x 12 inch	14 Gallon	900W x 2	1500Wx 3
JTM-3048GH	22 x 16 x 14 inch	20 Gallon	1200W x 2	3000Wx 3
JTM-3060GH	22 x 18 x 16 inch	25 Gallon	1500W x 2	3000Wx 3
JTM-3072GH	24 x 20 x 18 inch	36 Gallon	1800W x 2	4500Wx 3
JTM-3096GH	28 x 20 x 20 inch	46 Gallon	2400W x 2	6000Wx 3
JTM-3120GH	32 x 24 x 22 inch	70 Gallon	3000W x 2	6000Wx 3
JTM-3144GH	39 x 24 x 24 inch	95 Gallon	3600W x 2	9000Wx 3
JTM-3216GH	39 x 35 x 24 inch	143 Gallon	5400W x 2	18000Wx 3
JTM-3288GH	47 x 39 x 32 inch	254 Gallon	7200W x 2	24000Wx 3
Other inner tank size and tank capacity of Ultrasonic PCB cleaner can be customized				

FAQ of Ultrasonic PCB Cleaner:

Q: What's the advantage of Skymen ultrasonic PCB cleaner?

A: Skymen ultrasonic cleaner is the best way to have thorough cleaning without damaging objects. It helps to remove stubborn dirt and dust from the watch, eyeglasses, jewelry, etc, make them look new once again. It's very safe and easy to operate, proves to be the best helping hand for you at home.

Q: How often should I change the cleaning fluid in my tank?

A: Changed whenever it becomes visibly too contaminated, or when the cleaning process is not as effective.

Q: Why do I need to use a basket?

A: Basket would help to load objects together, and get a better cleaning effect.

Q: Can ultrasonic cleaning damage pcb parts?

A: Although the effect of thousands of implosions per second is very powerful, the cleaning process is safe. No damage to your daily objects.

Q: What about the warranty OF Ultrasonic PCB Cleaner?

A: 1 Year warranty for Skymen ultrasonic cleaner. If any technical problem during warranty time, replacement parts will be sent free of charge. And technical support is also available after 1 year.

Cooperation Case



Partner CRRC

Industry Rail

Parts Couplings Clamps Gearbox Valve Seats



Cooperated with CRRC in 2021

In April 2021, Skymen Group will join hands with CRRC again through third-party cooperation. This is the best proof of Skymen Group's strength. In fact, this is not the first time the two sides have cooperated. As early as 2017 to the present, during the period Skymen Group has provided CRRC with cleaning technology solutions and

cleaning equipment for many times, and is grateful to CRRC for its recognition and trust. This time, we will provide cleaning needs of spare parts based on motor vehicle maintenance, such as: cleaning couplings, clamps, gearboxes, valve seats and other spare parts. A set of intelligently controlled automatic ultrasonic cleaning equipment was manufactured to meet the needs of CRRC's intelligent cleaning.



Partner HITACHI

Industry Equipment

Parts Precision Hardware



Cooperated with HITACHI in 2021

Sky men Group and Hitachi Group announced a strategic cooperation in 2021 to provide them with intelligent cleaning technology solutions for precision hardware, and help accelerate the production efficiency and cleaning needs of workpieces. During this period, Sky men cleaning technology was strongly recognized by Hitachi Group. Sky men believes that the promotion of intelligent cleaning equipment in China should be developed towards a broader space, and at the same time, it will also transform technology into realistic productivity and add new momentum to China's industrial economic upgrade.



Partner Samsung

Industry electronic industry

Parts Optical glass, mobile phone case, etc.



Cooperated with Samsung in 2020

In 2020, Samsung Group and Sky men Group reached an in-depth strategic cooperation to provide them with intelligent cleaning technology solutions in the electronics industry, and to help accelerate the production efficiency and cleaning needs of workpieces; Now in 2021, Samsung Group will once again purchase a fully automatic ultrasonic cleaning line equipment with Sky men Group, marking that Sky men Group's technical strength has once again been recognized by Samsung Group. In this cooperation, Sky men believes that China's intelligent cleaning equipment should be developed towards a broader space, and at the same time, technology will be transformed into realistic productivity, adding new momentum to China's industrial economic upgrade.



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