



Stainless Steel Industrial Ultrasonic Cleaner

Our Product Introduction

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Basic Information

- Place of Origin: Made in China
- Brand Name: SkyMen
- Certification: CE , ROHS, FCC
- Model Number: JP-2072GH
- Minimum Order Quantity: 1 unit
- Price: Negotiation
- Packaging Details: Wooden case
- Delivery Time: In Stock
- Payment Terms: T/T
- Supply Ability: 300 pcs/month

SKYMEN | JP-2072GH



Product Specification

- Application: SUS Tube, Metal Parts
- Function: Ultrasonic Clean+dry
- Remove: Dirt, Grease, Lubrication
- Frequency: 28KHZ
- Filtration: Pump, Oil Skimmer
- Ultrasonic Power: 3600 W
- Timer: 1~99 Minutes/hours Adjustable
- Heater: Normal-80/95 °C Adjustable
- Highlight: **automotive ultrasonic cleaner, ultrasonic washing machine**



Product Description

Precision Cleaning of Aircraft Parts with Ultrasonic Cleaners

Model	JP-2048GP	JP-2072GP	JP-2144GP
Clean tank size	550*400*350	600*500*450	1000*600*600
Rinse tank size	550*400*350	600*500*450	1000*600*600
Tank capacity	77L each	135L each	360L each
Transducers	48	72	144
Clean tank Ultrasonic power	1200W	1800W	3600W
Rinse tank Ultrasonic power	1200W	1800W	3600W
Clean tank Heating power	3000W	4500W	9000W
Rinse tank Heating power	3000W	4500W	9000W
Frequency	28KHZ/40KHZ		
Tank material	304/316SUS		
Tank thickness	2MM		
Timer	1S-99hours adjustable/Normally open		
Heater	20-95c adjustable		
Drain valve	1 inch		
Basket & Lid	standard equipped		
Machine Voltage	AC 220V/380V, 3phases		
Generator voltage	AC 110V/220V, 1phase		
Features	1.with filtration system 2.with casters with brake 3.1 year warranty & tech support for life		

JP-2144GH is a twin ultrasonic tank, 1st tank for cleaning , 2ed tank for drying.

Cleans all types of aircraft parts including generators, brakes, actuators, shuttle valves, filters, engine blades and vanes, aircraft wheels, and bearings

Cleaning results equal to or better than traditional solvent cleaning methods

Avoids harmful metal loss or erosion of base metal surface or potential of surface defects with sand blasting

Uniform cleaning process delivers consistent results every time

Increases lifespan of component due to less aggressive cleaning mechanism

Usually a single step process with no manual intervention





Advantage of ultrasonic cleaner

Precision cleaning of your aircraft components is an operational safety requirement – a matter of life and death. Parts need to be thoroughly prepped to meet stringent aviation safety norms.

Cleaning being an important element in this process requires special consideration. Traditional cleaning methods are labor intensive and inconsistent. Parts that require cleaning typically require pretreatment before being subjected to an aggressive cleaning regime that could involve water or sand blasting. This can decrease the life of the component material and in some cases even damage the surface.

Ultrasonic cleaning is a revolutionary approach to cleaning that drastically reduces the cleaning time while improving the quality of the cleaning action. The cleaners work on the principle of agitating aqueous or semi-aqueous cleaning solvents using high frequency sound waves. With ultrasonic cleaners, parts cleaning is a batch operation. This saves hundreds if not thousands of person-hours as compared to the traditional process where each part requires individual attention.

Basic Function :

1st ultrasonic tank: installed with ultrasonic cleaning transducers to operate cleaning process by ultrasonic transducer vibration.

2nd Dryer tank : it has heater and hot-air circulation system.

Usually one dryer tank take 8~10 min to dry parts. The heated air generated by motor circulated to dry the parts. The heating temperature is adjustable(room temperature~200°C).

You can adjust temperature when drying plastic parts and usually not affected.

Skyman can also OFFER 3 tanks, 4 tanks, 5 tanks big ultrasonic cleaner machine, and fully automatic ultrasonic cleaning machine.

Any question or technical problems, please don't hesitate to advise us.

How to use an ultrasonic cleaner ?

1 Fill in the tank with water;

2 Put the cleaning items in, the cleaning items should fully immersed in the water.

For oil removed, chemicals is necessary.

3 Set up washing time and temperature:

Put the lid and wait till the wash cycle finished.

The process of ultrasonic cleaning utilises high frequency sound waves which are radiated through a liquid medium. These sound waves are created by a number of transducers which are bonded to the base of the ultrasonic bath. As an electrical current is passed through the two transducer crystal rings they become agitated and vibrate at around 40,000 times a second. This vibration converts the electrical energy to sound energy which is then transferred through the base of the tank into the liquid.

As the sound waves pass through the fluid microscopic bubbles form. These bubbles continue to grow in size until they become unstable and cannot support their own density, causing them to implode. This is the phenomenon known as cavitations. As these bubbles collapse the surrounding cleaning fluid rushes in to fill the gaps, which creates an action similar to that of a scrubbing brush, but thousands of times a second per cubic centimetre. It is this process which gives ultrasonics its powerful cleaning action and makes it the most effective method for removing contaminants from hard substrates or complex shapes.

Application:

Industry	Cleaning objects
jewelry	Jewelry, diamond, gold, silver products,
machinery	Moulds, precision parts, pressing parts, camera parts, bearing, hardware tools
electronics	PCB board, electronic parts, TV parts, computer parts
Auto industry	engine parts, gear box, shock absorber, auto nozzle, cylinder, valve
Dental& Medical	dental tools, medical tools, injector, surgery tools, dropper, glass container
Plating& painting	polishing parts, SUS cutter, tableware, plating
Food industry	Oven tray, boiler, bottles, bottle cap, filters
Optical& watch maker	optical lens, eyeglass, sunglass, metal, gold, jewelry, diamond, watch band, watch cover, watch hand
textile	spinneret plate, rubber parts, plastic molds, toy
others	seal, flapper, coins, pottery, bank card, IGBT

Cleaning effect: (BEFORE AND AFTER)

Another major benefit of ultrasonic cleaning is its ability to reach hidden areas. This will occur anywhere where water particles can reach. This means that items such as cylinder heads, which have a number of internal channels, will be thoroughly cleaned throughout. The cleaning fluid will flood these channels enabling the scrubbing action to work in even the deepest and smallest spaces.

Company information:

Our company (2)



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