



## Professional Ultrasonic Cleaning Unit engine block ultrasonic precise and rinse clean

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-2144G
- Minimum Order Quantity: 1 unit
- Price: Negotiation
- Packaging Details: Wooden case
- Delivery Time: In Stock
- Payment Terms: T/T
- Supply Ability: 3000 pcs/month



### Product Specification

- Frequency: 40khz/28khz
- Material: SUS304/316
- Generator: 4PCS X1800W
- Transducers: 144pcs(clean Tank 72pcs And Rinse Tank 72pcs)
- Filtration: Pump, Oil Skimmer
- Ultrasonic Power: 3600w+3600W
- Timer: 1~99 Minutes/hours Adjustable
- Heater: Normal-95 °C Adjustbale
- Highlight: **automotive ultrasonic cleaner, ultrasonic cleaning device**



### More Images



## Product Description

### Professional Industrial Auto parts engine block ultrasonic precise clean and rinse clean double tanks



Model	JP-2048G	JP-2072G	JP-2144G
Clean tank size(mm)	550*400*350	600*500*450	1000*600*600
Rinse tank size(mm)	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
Capacity	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		

Rinsing tanks and dryer tanks to dryer after rinsing, such as for tank capacity of 50L,100L,150L,200L or even bigger tank. Multi tanks with different functions by each unit work together to approach maximum cleaning efficiency.



**Take 3-tank ultrasonic cleaner as example:**

- 1st ultrasonic cleaning tank
- 2nd rinsing tank after rinsing(or add a second rinsing tank for thorough rinsing)
- 3rd dryer tank

**Specification details as follows:**

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

**2nd Rinsing tank:** It has a continues supply of water by supplying water from the bottom, and dirty liquid flow away from the surface of the liquid.

Another point is, if the parts have high requirement of surface cleaning efficiency, our customers will add second rinsing tank to achieve thorough cleaning result. the second rinsing tank don't fix transducers so it's cheap. So that's four-tank machine.

**3rd Dryer tank :** it has heater and hot-air circulation system.

Usually one dryer tank take 8~10min to dry parts. The heated air generated by motor circulated to dry the parts. The heating temperature is adjustable(room temperature~300°C).

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

Skyemen can make also double 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.

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ultrasonic cleaning machine with double tank

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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:**

parts cleaning effect

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:

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