



## 100L Tank Volume Ultrasonic Cleaning Machine 28/40KHz With Filter Dryer Spray

### Our Product Introduction

#### Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: SkyMen
- Certification: RoHS, CE, FCC, SGS
- Model Number: JTS-4060GPH
- Minimum Order Quantity: 1
- Price: Negotiation
- Packaging Details: Wooden case
- Delivery Time: In Stock
- Payment Terms: T/T
- Supply Ability: 800 pcs per month



#### Product Specification

- Model: JTS-4060GPH
- First Tank Volume: 99L
- First Tank Size: 550X450X400mm
- Transducers: 30pcs In 1st Tank; 30pcs In 2nd Tank
- Ultrasonic Power: 1500W\*2
- Heating Power: 3000W\*2
- Function: Ultrasonic Clean+filter+rinsing+spray+drying
- Frequency: 28/40KHz
- Highlight: **ultrasonic cleaning device,  
ultrasonic washing machine**

## Product Description

### 100L Ultrasonic Cleaning Machine with Filter, Dryer, Spray 28/40KHz

#### Cleaning after grinding

Grinding is an important process in optical glass production that determines its processing efficiency and surface quality (appearance and precision). The main pollutants in the grinding process are abrasive powder and asphalt, and a few companies will have paint flakes during processing. Among them, the types of abrasive powders are different, and generally are alkali metal oxides mainly composed of cerium oxide. According to the material of the lens and the grinding precision, choose different types of grinding powder. The bitumen used in the grinding process is protective to prevent the polished mirror surface from being scratched or corroded. There are two types of cleaning equipment after grinding: one mainly uses an organic solvent cleaning agent, and the other mainly uses a semi-aqueous cleaning agent.

#### Low frequency choose:

Ultrasonic cleaners operate at very low frequencies (within the human hearing range) and produce noise. When the frequency is below 20 kHz, the working noise not only becomes very large, but may exceed the limits of safety noise as stipulated by occupational safety and health laws or other regulations. In applications where high power is required to remove dirt without regard to surface damage of the workpiece, lower cleaning frequencies ranging from 20 kHz to 30 kHz are typically selected. Cleaning frequencies in this frequency range are often used to clean large, heavy-duty parts.

#### Same series with different size for your choice:

Model	Size of every tank	Tank Volume	Ultrasonic Power	Heating Power of Ultrasonic tank	Heating Power of drying tank	Transducer
	L*W*H (mm)	(L)	(W)	(W)	750W	(pcs)
JP-4024GPH	500X300X250	38L*4	600W	1500W*2	750W	24pcs
JP-4036GPH	500X350X300	53L*4	900W	1500W*2	750W	36pcs
JP-4048GPH	550X400X350	77L*4	1200W	3000W*2	750W	48pcs
<b>JP-4060GPH</b>	<b>550X450X400</b>	<b>99L*4</b>	<b>1500W</b>	<b>3000W*2</b>	<b>750W</b>	<b>60pcs</b>
JP-4072GPH	600X500X450	135L*4	1800W	4500W*2	750W	72pcs
JP-4096GPH	700X500X500	175L*4	2400W	6000W*2	750W	96pcs
JP-4120GPH	800X600X550	264L*4	3000W	6000W*2	750W	120pcs
JP-4144GPH	1000X600X600	360L*4	3600W	9000W*2	750W	144pcs
JP-4216GPH	1000X900X600	540L*4	5400W	18000W*2	1100W	216pcs
JP-4288GPH	12000*1000*800	960L*4	7200W	24000W*2	1500W	288pcs

#### Specification

Model	JTS-4024GPH
1st Tank Volume	99L Ultrasonic Cleaning tank with filtration cycle system
2nd Tank Volume	99L Ultrasonic Rinsng tank
3rd Tank Volume	99L Spray tank
4th Tank Volume	99L Drying tank
1st tank size	550X450X400mm
2nd tank size	550X450X400mm
3rd Tank size	550X450X400mm
4th tank size	550X450X400mm
Transducers	30pcs in 1st tank; 30pcs in 2nd tank
Ultrasonic Power	1500W*2
Heating Power of Ultrasonic tank	3000W*2
Heating Power of Drying tank	750W
Frenquency	28KHz/40KHz
Drying System	1 set
Unit size	2920*1150*1000mm
Packing size	2980*1210*1120mm
Timer	0~99 minutes adjustable
Heater	Room temperature~99°C adjustable
Material	SUS 304 default, can be SUS 316
Power Supply	AC 220V 3 phase ; AC 380V 3 phase
N.W.	500G
G.W.	550KG Wrapped by film in wooden case
Lead time	18 working days
Warranty	1 year warranty period, technique support all time
Certificates	CE, RoHS, FCC, SGS

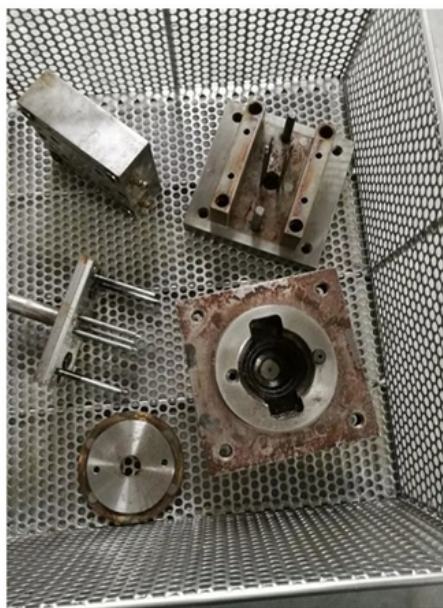
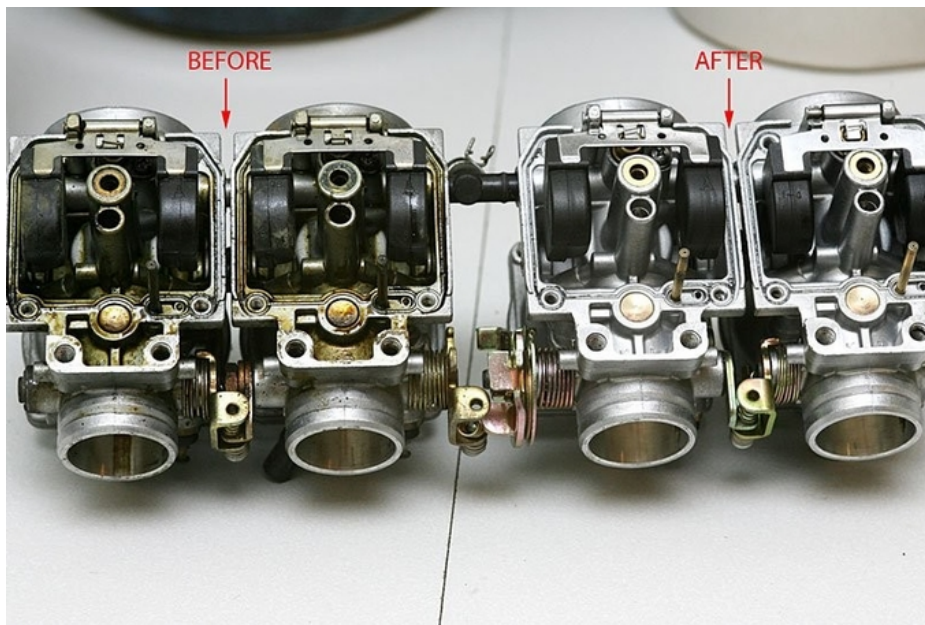
Advantage	Filter the dirty water; keep the water clear in tank; lower the frequency of changing water
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Images:



Clean effect:





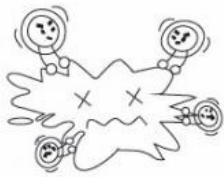
Before



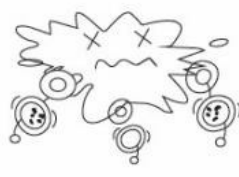
After

## DIRT ELIMINATION PROCESS THROUGH ULTRASONIC TECHNOLOGY

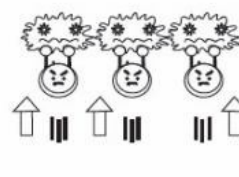
- Cleaning effect will be much better if using the machine together with proper solvent.



As ultrasonic wave through the solution in the tank, cause alternating high and low pressures in the solution.



During the low pressure stage, millions of microscopic bubbles form and grow. This process is called "CAVITATION".



During the high pressure stage, the bubbles implode releasing enormous amounts of energy. They work in all directions, attacking surface and invading all recesses and openings.

### Principle

The principle of the ultrasonic cleaning machine is mainly to convert the sound energy of the power ultrasonic frequency source into mechanical vibration through the transducer, and to irradiate the ultrasonic wave into the cleaning liquid in the groove through the cleaning tank wall. Due to the radiation of the ultrasonic waves, the microbubbles in the liquid in the tank can be kept vibrated by the action of the sound waves. The adsorption of the dirt and the surface of the cleaning member is destroyed, causing fatigue damage of the dirt layer to be rejected, and the vibration of the gas type bubble scrubs the solid surface.



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