



# 4500L Ultrasonic Washing Machine FCC For Graphite Crucible

### **Basic Information**

. Place of Origin: China SKYMEN . Brand Name: CE, RoHs, FCC · Certification: Model Number: JP-1576ST

• Minimum Order Quantity:

• Price: Negotiation Packaging Details: wooden case • Delivery Time: In Stock

• Supply Ability: 100 pcs per month



## **Product Specification**

4500L Machine Tank Capacity: • Frequenncy: 28KHz

Tank Size: 2500\*1500\*1200mm

• Transducer: 576pcs • Ultrasonic Power: 28800W . Heating Power: 6300W

• Highlight: Graphite Crucible Ultrasonic Washing Machine,

4500L Ultrasonic Washing Machine, **FCC Ultrasonic Cleaner Machine** 



#### **Product Description**

4500L Ultrasonic Washing Machine For graphite crucible with Heating Power

#### **Ultrasonic Cleaning Machine For graphite crucible**

Although graphite crucible has the characteristics of high bulk density, high temperature resistance, fast heat transfer, acid and alkali corrosion resistance, high temperature resistance, oxidation resistance, etc., for the refining of a single raw material, the cleaning work after using the crucible is very troublesome.

Ultrasonic cleaning + cleaning agent cleaning

The first task of cleaning the graphite crucible is to remove the chemicals in the crucible and then clean it. We need to decide what to clean based on what remains in the graphite crucible. Generally speaking, the binder on the graphite crucible is the residue of inorganic combustion. We can clean with hydrochloric acid, most of which are soluble, and some carbon-containing residues cannot be dissolved with hydrochloric acid. Nitric acid is highly oxidizing, it can be heated appropriately during cleaning, and ultrasonic cavitation can quickly peel off dirt

Graphite crucibles need to be kept clean and bright inside and out. After a long period of burn, the appearance of the crucible may be blurred, and the inside will go deep into the inside, causing the crucible to be fragile and cracked, so the unclean materials must be removed. If the surface is still stained or black, use fine sand with no edges and corners and gently wipe with water to restore the surface gloss.

#### **Detailed Specification of this machine:**

Function Ultrasonic cleaning Ultrasonic cleaning Ultrasonic Frequency 28/40kHz (other frequency can be customized) Tank Material SUS 304 (SUS 316 can be customized) Thickness of tank 3mm Inner tank dimension 2500*1500*1200mm Tank Capacity 4500L Transducer 576pcs Ultrasonic Power 28800W Heating Power 63000W Time setting of 0~99 hours Ultrasonic Temperature setting Room temperature ~ 95°C adjustable Drain value Available Water inlet/outlet Available Generator power control 1800W Generator shelf Available Basket Available Basket Available Basket Javailable Basket Jav	-		cation of this machine.			
Ultrasonic Frequency 28/40kHz (other frequency can be customized) Tank Material SUS 304 (SUS 316 can be customized) Thickness of tank 3mm Inner tank dimension 2550°1500°1200mm Tank Capacity 4500L Transducer 576pcs Ultrasonic Power 28800W Heating Power 63000W Time setting of Ultrasonic Temperature setting Room temperature ~ 95°C adjustable Drain value Available Water inlet/outlet Available Generator 16 sets Generator 900 Available Basket Available Basket Available Basket Available Basket Navilable Basket Available Basket Soad 700KG Overall size 290°170°210cm Packing detail By wooden case(No logs, free of fumigation) N.W/G.W 1200KG/1400KG  4 Power supply 380V 3 phase; 220V 3 pahse; 415V; 600V 5 Warranty 1 year warranty for spare parts, all life technical support 6 Certificate 7 Lead time 20~30 working days after deposit Filtration cycle system Lifting system for basket Dunking system for basket Available; capture dirty water, recycle clean water Lifting system for basket Dunking system Available; Speed up cleaning Bubbling Available; For cleaning more complex structure mold Cooling system Available; For cleaning more complex structure mold Cooling system Available; For clean coins and big quantity parts	1_	Model	JP-1576ST			
Tank Material SUS 304 (SUS 316 can be customized) Thickness of tank 3mm Inner tank dimension 2500*1500*1200mm Tank Capacity 4500L Transducer 576pcs Ultrasonic Power 48800W Heating Power 63000W Time setting of Ultrasonic Power 40 Available Water inlet/outlet Available Generator 16 sets Generator 16 sets Generator 16 sets Generator shelf Available Basket Available Basket Available Basket Noad 700KG Overall size 290*170*210cm Packing size 300*190*230cm Packing detail By wooden case(No logs, free of fumigation) N.W/G.W 1200KG/1400KG  4 Power supply 380V 3 phase; 220V 3 pahse; 415V; 600V 5 Warranty 1 year warranty for spare parts, all life technical support CE, RoHS; FCC, REACH Lead time Filtration cycle system Filtration cycle system Available; take the basket up and down Dunking system For basket Available; speed up cleaning Bubbling Available; For cleaning more complex structure mold Cooling system Constant temperature Available; To cool down inflammable and explosive Constant temperature Available; for clean coins and big quantity parts			1			
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Parameter			Inner tank dimension	2500*1500*1200mm		
Parameter			Tank Capacity	4500L		
Parameter    Heating Power   G3000W			Transducer	576pcs		
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Ilme setting of Ultrasonic   Temperature setting   Room temperature ~ 95°C adjustable   Drain value   Available   Water inlet/outlet   Available   Generator   16 sets   Generator shelf   Available   Basket   Available   Available   Basket   Basket   Basket   Available   Basket   Available   Basket		D	Heating Power	63000W		
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Water inlet/outlet			Temperature setting	Room temperature ~ 95°C adjustable		
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Generator shelf Basket Basket Basket load 700KG  Overall size Packing size Packing detail N.W/G.W  1200KG/1400KG  Warranty Certificate Certificate Filtration cycle system Lifting system for basket Dunking system Bubbling Bubbling Available; For cleaning more complex structure mold Florid and functions  Generator shelf Available Available; Available; Available; For clean coins and big quantity parts  Available; For clean coins and big quantity parts			Generator power control	1800W		
Basket load  Overall size  Packing size  Packing size  Packing detail  N.W/G.W  1200KG/1400KG  Power supply  Warranty  Certificate  Certificate  Certificate  Certificate  Certificate  Filtration cycle system  Lifting system for basket  Dunking system  Bubbling  Available; capture dirty water, recycle clean water  Available; Speed up cleaning  Bubbling  Available; For cleaning more complex structure mold  Cooling system  Constant temperature  Available; for clean coins and big quantity parts				Available		
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Supply  5 Warranty  6 Certificate  7 Lead time  20~30 working days after deposit  Filtration cycle system Lifting system for basket Available; take the basket up and down Dunking system  Bubbling  Available; Speed up cleaning  Bubbling  Available; For cleaning more complex structure mold  Cooling system  Constant temperature  Roller barrel  Available; for clean coins and big quantity parts	1	Power	280V 3 phase: 220V 3 pahse: 415V: 600V			
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Constant temperature Available; Roller barrel Available; for clean coins and big quantity parts	′	functions	Cooling system			
Roller barrel Available; for clean coins and big quantity parts			Constant temperature	l ·		
			Anti-explosion electric			
box Available;			1	Available,		
Deionized(DI) water Available				Available		
Double/Multi frequency Available; 28/40/20/68/80/132KHz			Double/Multi frequency			
Other funtions Negotiate via email			Other funtions	Negotiate via email		

Other size and capacity for reference:

Brand	Skymen  JP-1216ST			
Model				
Inner tank size	1500*1000*1000mm	Capacity	1500L	
Transducer	216pcs	Ultrasonic power	0~10800W Adjustable	
Frequency	28/40KHz	Heating power	36000W	
Max power	46800W	Power supply	380V/220V 3 Phase	
Temperature control	Room temperature~95°C	Time control	0~99 Hours	
Tank material	SUS 304	Tank Thickness	3mm	
Water inlet/outlet	Yes	Caster	Yes	
Basket	Yes	Manual	Available	
Warranty	1 Year, technical support always			
Application	Heat exchanger; Boiler; BBQ grills; Mold, Casting; etc.			
Available functions	Water filtration system; Lifting system for basket; Bubble system; Spraying, etc			

Brand	Skymen			
Model		JP-1288ST		
Inner tank size	2000*1200*800mm	Capacity	1920L	
Transducer	288pcs	Ultrasonic power	0~14400W Adjustable	
Frequency	28/40KHz	Heating power	45000W	
Max power	59400W	Power supply	380V/220V 3 Phase	
Temperature control	Room temperature~95°C	Time control	0~99 Hours	
Tank material	SUS 304	Tank Thickness	3mm	
Water inlet/outlet	Yes	Caster	Yes	
Basket	Yes	Manual	Available	
Warranty	1 Year, technical support always			
Application	Heat exchanger; Boiler; BBQ grills; Mold, Casting; etc.			
Available functions	Water filtration system; Lifting system for basket; Bubble system Spraying, etc			

Brand		Skymen		
Model	JP-1360ST			
Inner tank size	2000*1200*1000mm	Capacity	2400L	
Transducer	360pcs	Ultrasonic power	0~18000W Adjustable	
Frequency	28/40KHz	Heating power	54000W	
Max power	72000W	Power supply	380V/220V 3 Phase	
Temperature control	Room temperature~95°C	Time control	0~99 Hours	
Tank material	SUS 304	Tank Thickness	3mm	
Water inlet/outlet	Yes	Caster	Yes	
Basket	Yes	Manual	Available	
Warranty	1 Year, technical support always			
Application	Heat exchanger; Boiler; BBQ grills; Mold, Casting; etc.			
Available functions	Water filtration system; Lifting system for basket; Bubble system; Spraying, etc			

Brand		Skymen		
Model	JP-1432ST			
Inner tank size	2000*1500*1200mm	Capacity	3000L	
Transducer	432pcs	Ultrasonic power	0~21600W Adjustable	
Frequency	28/40KHz	Heating power	63000W	
Max power	84600W	Power supply	380V/220V 3 Phase	
Temperature control	Room temperature~95°C	Time control	0~99 Hours	
Tank material	SUS 304	Tank Thickness	3mm	
Water inlet/outlet	Yes	Caster	Yes	
Basket	Yes	Manual	Available	
Warranty	1 Year, technical support always			
Application	Heat exchanger; Boiler; BBQ grills; Mold, Casting; etc.			
Available functions	Water filtration system; Lifting system for basket; Bubble system; Spraying, etc			

Brand	Skymen				
Model	JP-1576ST				
Inner tank size	2500*1500*1200mm	Capacity	4500L		
Transducer	576pcs	Ultrasonic power	0~28800W Adjustable		
Frequency	28/40KHz	Heating power	63000W		
Max power	91800W	Power supply	380V/220V 3 Phase		
Temperature control	Room temperature~95°C	Time control	0~99 Hours		
Tank material	SUS 304	Tank Thickness	3mm		
Water inlet/outlet	Yes	Caster	Yes		
Basket	Yes	Manual	Available		
Warranty	1 Year, technical support always				
Application	Heat exchanger; Boiler; BBQ grills; Mold, Casting; etc.				
Available functions	Water filtration system; Lifting system for basket; Bubble system; Spraying, etc				

Brand	Skymen JP-1648ST			
Model				
Inner tank size	3000*1500*1200mm	Capacity	5400L	
Transducer	648pcs	Ultrasonic power	0~32400W Adjustable	
Frequency	28/40KHz	Heating power	63000W	
Max power	95400W	Power supply	380V/220V 3 Phase	
Temperature control	Room temperature~95°C	Time control	0~99 Hours	
Tank material	SUS 304	Tank Thickness	3mm	
Water inlet/outlet	Yes	Caster	Yes	
Basket	Yes	Manual	Available	
Warranty	1 Year, technical support always			
Application	Heat exchanger; Boiler; BBQ grills; Mold, Casting; etc.			
Available functions	Water filtration system; Lifting system for basket; Bubble system; Spraying, etc			

Brand	Skymen  JP-1720ST			
Model				
Inner tank size	4000*1600*1000mm	Capacity	6400L	
Transducer	720pcs	Ultrasonic power	0~36000W Adjustable	
Frequency	28/40KHz	Heating power	66000W	
Max power	102000W	Power supply	380V/220V 3 Phase	
Temperature control	Room temperature~95°C	Time control	0~99 Hours	
Tank material	SUS 304	Tank Thickness	3mm	
Water inlet/outlet	Yes	Caster	Yes	
Basket	Yes	Manual	Available	
Warranty	1 Year, technical support always			
Application	Heat exchanger; Boiler; BBQ grills; Mold, Casting; etc.			
Available functions	Water filtration system; Lifting system for basket; Bubble system; Spraying, etc			

Brand	Skymen				
Model	JP-1936ST				
Inner tank size	3500*1600*1300mm	Capacity	7280L		
Transducer	936pcs	Ultrasonic power	0~46800W Adjustable		
Frequency	28/40KHz	Heating power	66000W		
Max power	112800W	Power supply	380V/220V 3 Phase		
Temperature control	Room temperature~95°C	Time control	0~99 Hours		
Tank material	SUS 304	Tank Thickness	3mm		
Water inlet/outlet	Yes	Caster	Yes		
Basket	Yes	Manual	Available		
Warranty	1 Year, technical support always				
Application	Heat exchanger; Boiler; BBQ grills; Mold, Casting; etc.				
Available functions	Water filtration system; Lifting system for basket; Bubble system; Spraying, etc				

Brand	Skymen  JP-11152ST			
Model				
Inner tank size	2500*2000*1700mm	Capacity	8500L	
Transducer	1152pcs	Ultrasonic power	0~57600W Adjustable	
Frequency	28/40KHz	Heating power	69000W	
Max power	126600W	Power supply	380V/220V 3 Phase	
Temperature control	Room temperature~95°C	Time control	0~99 Hours	
Tank material	SUS 304	Tank Thickness	3mm	
Water inlet/outlet	Yes	Caster	Yes	
Basket	Yes	Manual	Available	
Warranty	1 Year, technical support always			
Application	Heat exchanger; Boiler; BBQ grills; Mold, Casting; etc.			
Available functions	Water filtration system; Lifting system for basket; Bubble system; Spraying, etc			

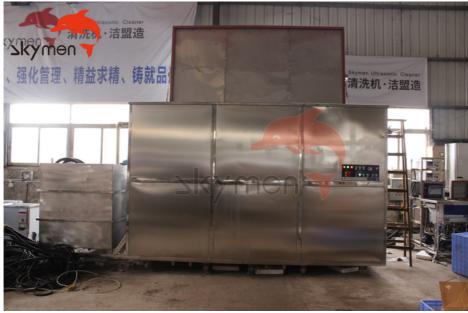
Brand	Skymen  JP-11224ST			
Model				
Inner tank size	3200*2000*1500mm	Capacity	9600L	
Transducer	1224pcs	Ultrasonic power	0~61200W Adjustable	
Frequency	28/40KHz	Heating power	69000W	
Max power	130200W	Power supply	380V/220V 3 Phase	
Temperature control	Room temperature~95°C	Time control	0~99 Hours	
Tank material	SUS 304	Tank Thickness	3mm	
Water inlet/outlet	Yes	Caster	Yes	
Basket	Yes	Manual	Available	
Warranty	1 Year, technical support always			
Application	Heat exchanger; Boiler; BBQ grills; Mold, Casting; etc.			
Available functions	Water filtration system; Lifting system for basket; Bubble system; Spraying, etc			

Brand	Skymen  JP-11368ST			
Model				
Inner tank size	8000*1200*1200mm	Capacity	11520L	
Transducer	1368pcs	Ultrasonic power	0~68400W Adjustable	
Frequency	28/40KHz	Heating power	69000W	
Max power	137400W	Power supply	380V/220V 3 Phase	
Temperature control	Room temperature~95°C	Time control	0~99 Hours	
Tank material	SUS 304	Tank Thickness	3mm	
Water inlet/outlet	Yes	Caster	Yes	
Basket	Yes	Manual	Available	
Warranty	1 Year, technical support always			
Application	Heat exchanger; Boiler; BBQ grills; Mold, Casting; etc.			
Available functions	Water filtration system; Lifting system for basket; Bubble system; Spraying, etc			

Brand	Skymen		
Model	JP-11512ST		
Inner tank size	8000*1600*1600mm	Capacity	20480L
Transducer	1512pcs	Ultrasonic power	0~75600W Adjustable
Frequency	28/40KHz	Heating power	72000W
Max power	147600W	Power supply	380V/220V 3 Phase
Temperature control	Room temperature~95°C	Time control	0~99 Hours
Tank material	SUS 304	Tank Thickness	3mm
Water inlet/outlet	Yes	Caster	Yes
Basket	Yes	Manual	Available
Warranty	1 Year, technical support always		
Application	Heat exchanger; Boiler; BBQ grills; Mold, Casting; etc.		
Available functions	Water filtration system; Lifting system for basket; Bubble system; Spraying, etc		

#### Product show:















Cleaning effect show:

# **CLEANING EFFECT**

Better cleaning when cleaning with detergent

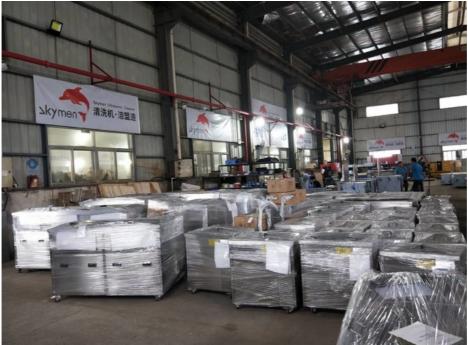




Skymen Cleaning Equipment Shenzhen CO., Ltd.







#### Daily maintenance for our machine

Tanks Cleaning - check the tank for contamination whenever you change solution. If necessary, remove contaminants with a nonabrasive cloth and water.

Emptying - always unplug the cleaner before emptying the tank. Empty the solution into a waste disposal unit.

Filling - always unplug the line cord before filling the tank. Fill the cleaner to the operating level (one inch from the top with beaker/tray in place), using warm tap water.

Low solution level - will cause the cleaner to fail. When you remove heavy or bulky loads from the cleaner, the solution level may drop below the operating level. If so, be sure to replace lost solution and degas, if necessary, depending on the amount used.

Overload - do not rest any items on the tank bottom. Weight on the tank bottom dampens sound energy and will cause damage to the transducer. Instead, use a tray and/or beaker positioning cover to support all items.

Allow at least one inch between the tank bottom and the beaker or receptacle for adequate cavitation.

Covers - allow the cleaner to heat up faster, to a higher temperature, and avoid excessive liquid evaporation. However, obstructing the cover vents will cause the cleaner to overheat.



#### **Skymen Technology Corporation Limited**



86-755-27094405



info@skymen.cc



skymenultrasonic.com