

YUNYISONIC

INDUSTRIAL ULTRASONIC CLEANING MACHINE

For more products, please visit:

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PROFESSIONAL
CUSTOMIZATION
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OVERVIEW ULTRASONIC CLEANING AND SUPPORTING TECHNOLOGY

Ultrasonic cleaning machines are now the preferred cleaning equipment in various industries, but for all kinds of products in the industry, simple ultrasonic cleaning may not be able to satisfy people's pursuit of "efficient and clean" cleaning. Therefore, various icing on the cake ultrasonic cleaning Supporting functions came into being. Different functions cooperate with ultrasonic cleaning to achieve better results for cleaning different product shapes and dirt. Not only can cleaning be completed faster and more efficiently, but also the workpiece can be cleaned more thoroughly.

Clean technology

1.Ultrasonic cleaning

Ultrasonic cleaning is to use the cavitation effect of ultrasonic waves in the liquid to have a direct or indirect effect on the liquid and dirt, so that the dirt layer is dispersed, emulsified, and peeled off to achieve the purpose of cleaning.

2.High pressure spray

High-pressure spray cleaning is a cleaning method that uses high-pressure water flow to impact the surface of the object. Specifically, the liquid is sprayed from the fan-shaped spray nozzle at high speed through a high-pressure water pump, and the stains that have been softened but not completely peeled off on the impact surface of the workpiece are completely peeled off. Thoroughly wash off the stains on the workpiece.

3.Soaking cleaning

Some workpieces with stubborn stains or complex geometric shapes such as blind holes and grooves are generally cleaned by soaking first, that is, the workpiece is immersed in the cleaning solution as a whole, and the chemical action of the cleaning solution is used to soften, separate, Dissolves difficult-to-remove contaminants on workpiece surfaces.

4.Electrolytic cleaning

The metal sample acts as an electrode by applying an electric current, and an electrochemical reaction occurs between the electrode and the electrolyte. During this process, a redox reaction occurs on the electrode surface, which breaks down oxides and fouling substances into soluble substances.

5.Vacuum cleaning

Cleaning in a vacuum state can eliminate the cleaning liquid and clean the air in the pores of the workpiece, so that the cleaning liquid can completely contact all surfaces of the workpiece, blind holes, and deep holes, and achieve all-round cleaning without dead ends. This can not only reduce the weakening of ultrasonic waves, It also cleans faster and more thoroughly.

6.Steam bath

Steam bath washing is to dissolve the oil stains on the surface to be cleaned by saturated steam under high temperature and high pressure, and vaporize them, so that the surface cleaned by saturated steam can reach an ultra-clean state. At the same time, the supersaturated steam can effectively cut into any tiny holes and cracks, stripping and removing the stains and residues therein.

Drying technology

1.Hot air drying (tank circulation, tunnel furnace)

Hot air drying is a common drying technology. Its principle is to use a certain temperature and wind speed to blow off and evaporate the water droplets on the surface of the workpiece to achieve the purpose of rapid drying.

2.Wind cutting

The principle of wind cutting and water blowing is to compress the airflow through high-speed compressed air or nitrogen, so that the airflow speed reaches a high speed, forming a cutting airflow, and blowing away water or liquid from the surface of the workpiece to achieve a fast drying effect.

3.Vacuum drying

In a vacuum environment, the temperature is raised to the temperature at which the solvent evaporates, and at the same time, the air in the drying box is drawn by a vacuum pump to reduce the temperature.

Low pressure promotes rapid evaporation and loss of water from the surface or pores of the workpiece.

4.Centrifugal drying

Speed up the separation of water or other liquids on the surface of the workpiece through high-speed rotation to achieve a fast drying effect.

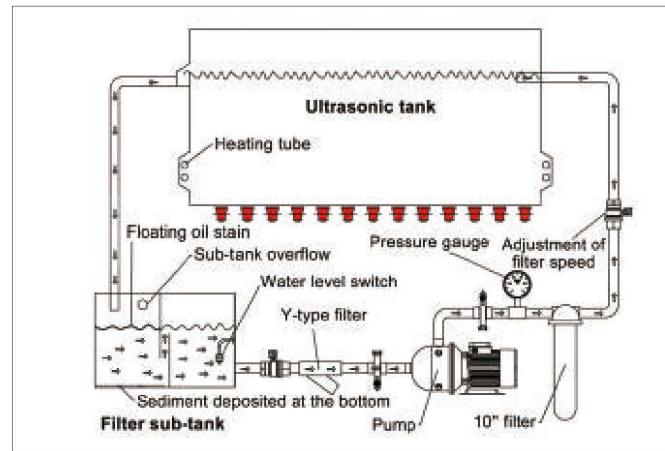
Additional function

1.Filtration system

Through the double-layer partition design of the auxiliary filter tank, the primary filtration is carried out to filter out the large particle sediment, suspended matter, and floating matter in the cleaning solution; and then the secondary fine filtration is performed by the filter bottle to filter out the small particles in the cleaning solution stains.

Effect:

- a Improve the utilization rate of cleaning fluid
- b Reduce the cost of cleaning fluid
- c Avoid secondary pollution of the workpiece
- d Save labor and improve efficiency

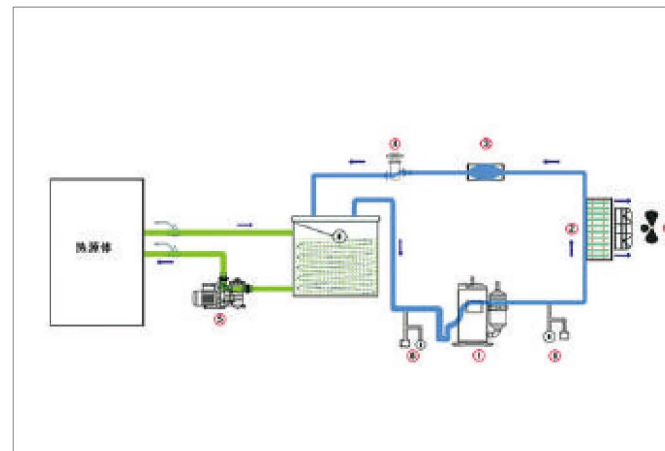


2.Refrigeration process

The refrigerant absorbs the heat of the object to be cooled (circulating liquid) in the evaporator and evaporates into steam, and the compressor continuously extracts the generated steam from the evaporator and compresses it. After being compressed, the high-temperature and high-pressure steam is sent to the condenser to release heat to the cooling medium (such as water, air, etc.) and condense into a high-pressure liquid. After being depressurized by the throttling mechanism, it enters the evaporator, vaporizes again, and absorbs the cooled object (circulating liquid) heat. Such a cycle goes round and round, continuously refrigerating and circulating the liquid, and the circulating liquid passes through the tank that needs to be refrigerated, so as to achieve the purpose of controlling the temperature of the tank.

Effect:

Effectively control the volatilization speed and temperature of flammable and explosive cleaning fluid, so that cleaning safety is guaranteed.

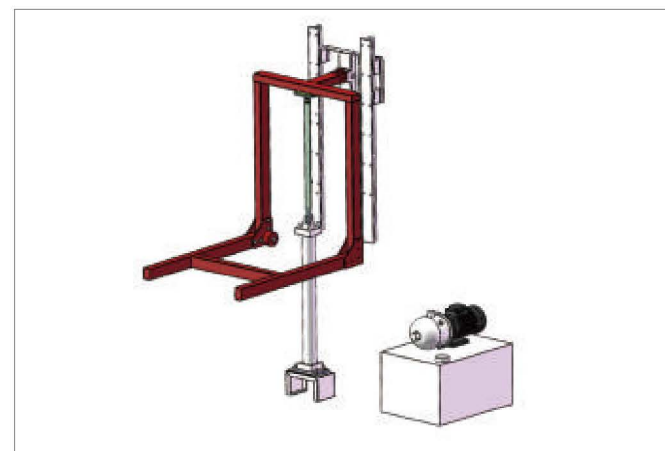


3.Lifting system

The hydraulic oil is under a certain pressure formed by the vane pump, and enters the lower end of the hydraulic cylinder through the oil filter, explosion-proof electromagnetic reversing valve, throttle valve, hydraulic control check valve, and balance valve, so that the piston of the hydraulic cylinder moves upward to lift the weight. and then enter the upper end of the hydraulic cylinder through the explosion-proof electromagnetic reversing valve, and the oil returned from the lower end of the hydraulic cylinder returns to the oil tank through the balance valve, hydraulic control check valve, throttle valve, and explosion-proof electromagnetic reversing valve, so that the heavy object can fall smoothly , The equipment has a lifting process that can effectively save labor costs and make cleaning of larger workpieces more convenient.

Effect:

- a Save labor costs
- b Make cleaning of heavier workpieces easier



4.Agitator system

When the motor drives the shaft to rotate, the outer edge of the agitating eccentric wheel pushes another part, causing the agitating frame to reciprocate up and down at a uniform speed, thereby accelerating the removal of stains, and quickly peeling off the deposits and attachments on the surface of the workpiece, thereby achieving fast and comprehensive cleaning purpose.

Effect:

- a Accelerates the removal of stains
- b Effective cleaning of stubborn stains, more detailed cleaning



5.Lift out system

The linear slide rail is used as the guide, and the cylinder drives the lifting frame to move up and down slowly, pulling at a uniform speed, effectively removing large particles of water droplets on the surface of the workpiece, avoiding residual water spots or air bubbles during subsequent drying and packaging, and improving the cleaning effect.

Effect:

- a Accelerate the peeling of water droplets
- b Effectively save labor costs
- c makes it easier to dry large workpieces

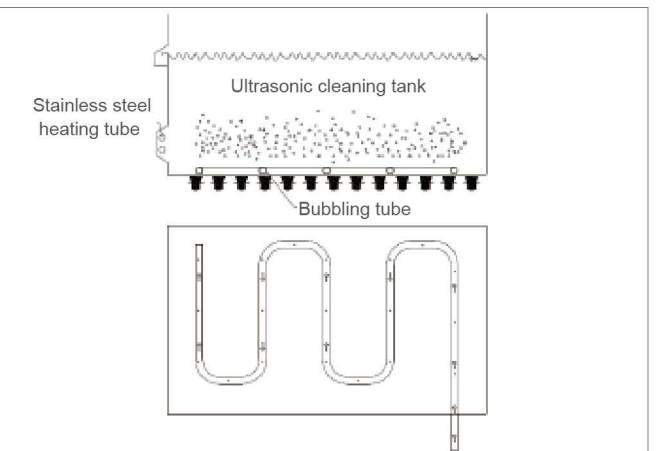


6.Bubble system

The compressed air is ejected through the small hole of the bubbling tube to generate high-pressure air bubbles, which makes the liquid in the tank tumbling, so that the light-weight workpiece can be cleaned more comprehensively, and the stains deposited on the surface of the workpiece can be quickly peeled off.

Effect:

- a Accelerates the removal of stains
- b Make the objects fall off and clean more effectively under strong pressure



7.Roller system

The main body of the roller type cleaning machine is the roller, which is driven by the transmission device to rotate, so that the materials in the drum can roll and rub against each other and the wall of the drum, so that the surface dirt can be peeled off.

Effect:

- a Accelerates the removal of stains
- b Make cleaning more complete



YNL Series Industrial-Grade Multi-Frequency Intelligent Ultrasonic Cleaner



Silent/Pulse/Sweep/Degas/
Power adjust / Castors move

support single/dual/
multi-frequency 20~200KHz range

(Common) Industrial Ultrasonic Cleaner

I

Model	Tank Size (mm)	Transducer (pcs)	Capacity (L)	Ultrasonic Power	Heating Power	Frequency (KHz)	Timer (Min)	Temperature (°c)
YNL1240	500*300*250	12	38L	0-600	1000	Customizable	0-99	Room temp-95
YNL1860	550*350*300	18	58L	0-900	1000	Customizable	0-99	Room temp-95
YNL2480	550*400*350	24	78L	0-1200	2000	Customizable	0-99	Room temp-95
YNL3613	650*450*450	36	130L	0-1800	3000	Customizable	0-99	Room temp-95

Industrial (High power version) Ultrasonic Cleaner

II

Model	Tank Size (mm)	Transducer (pcs)	Capacity (L)	Ultrasonic Power	Heating Power	Frequency (KHz)	Timer (Min)	Temperature (°c)
YNL1640	500*300*250	16	38L	0-800	1000	Customizable	0-99	Room temp-95
YNL2060	550*350*300	20	58L	0-1000	1000	Customizable	0-99	Room temp-95
YNL2680	550*400*350	26	78L	0-1300	2000	Customizable	0-99	Room temp-95
YNL3813	650*450*450	38	130L	0-1900	3000	Customizable	0-99	Room temp-95

Next Generation Heavy-Duty Multi-Frequency Silent Design / Industrial Ultrasonic Cleaner



Durable/ silent operation / pulse /
sweep / degas / power regulation

support single/dual/
multi-frequency 20~200KHz range

(Common) Industrial Ultrasonic Cleaner

I

Model	Tank Size (mm)	Transducer (pcs)	Capacity (L)	Ultrasonic Power	Heating Power	Frequency (KHz)	Timer (Min)	Temperature (°c)
YML1240	500*300*300	12	45L	0-600	1500	Customizable	0-99	Room temp-95
YML1860	500*350*350	18	61L	0-900	1500	Customizable	0-99	Room temp-95
YML2480	550*400*400	24	88L	0-1200	3000	Customizable	0-99	Room temp-95
YML3018	600*450*400	30	108L	0-1500	3000	Customizable	0-99	Room temp-95
YML36135	600*500*450	36	135L	0-1800	4500	Customizable	0-99	Room temp-95
YML48192	700*550*500	48	192L	0-2400	6000	Customizable	0-99	Room temp-95
YML60264	800*600*550	60	264L	0-3000	7500	Customizable	0-99	Room temp-95
YML72360	1000*600*600	72	360L	0-3600	9000	Customizable	0-99	Room temp-95
YML108540	1000*900*600	108	540L	0-5400	18000	Customizable	0-99	Room temp-95

Add a filtration circulation system

II

Model	Tank Size (mm)	Transducer (pcs)	Capacity (L)	Ultrasonic Power	Heating Power	Frequency (KHz)	Timer (Min)	Temperature (°c)
YML1240L	500*300*300	12	45L	0-600	1500	Customizable	0-99	Room temp-95
YML1860L	500*350*350	18	61L	0-900	1500	Customizable	0-99	Room temp-95
YML2480L	550*400*400	24	88L	0-1200	3000	Customizable	0-99	Room temp-95
YML3018L	600*450*400	30	108L	0-1500	3000	Customizable	0-99	Room temp-95
YML36135L	600*500*450	36	135L	0-1800	4500	Customizable	0-99	Room temp-95
YML48192L	700*550*500	48	192L	0-2400	6000	Customizable	0-99	Room temp-95
YML60264L	800*600*550	60	264L	0-3000	7500	Customizable	0-99	Room temp-95
YML72360L	1000*600*600	72	360L	0-3600	9000	Customizable	0-99	Room temp-95
YML108540L	1000*900*600	108	540L	0-5400	18000	Customizable	0-99	Room temp-95

Single tank ultrasonic cleaner series



The single-tank ultrasonic cleaner series products are the best-selling products of Yunyi, which can meet the cleaning needs of different industries, comprehensively clean the surface of the workpiece, deep holes, slits, etc. And can solve difficult and miscellaneous cleaning problems in the industry. Our single-tank series ultrasonic cleaners can be customized according to the size of the customer's sample and the different needs, such as equipment with large size, high power and filter cycle function. They have the advantages of stronger cleaning effect, higher efficiency, and more convenient cleaning, and are widely used in mechanical hardware, Electronics, semiconductors, surface treatment, auto parts and other industries.

1. Using pure manual argon arc welding, durable and high temperature resistant;
2. Industrial-grade transducer, concentrated strength, remarkable cleaning effect;
3. Independent generator control system;
4. Can work continuously for a long time;
5. The power is adjustable, according to the degree of dirt attached to the object to be cleaned by the customer, different power cleaning can be adjusted;
6. With memory function, the machine has a unique memory chip, no need to reset after the time is set.

Standard single-tank ultrasonic cleaner

I



Model	Tank Size (mm)	Capacity (L)	Ultrasonic Power	Heating Power	Frequency (KHz)	Timer (Min)	Temperature (°c)
YM1240	500*300*300	45L	0-600	1500	28/40	0-99	Room temp-95
YM1860	500*350*350	61L	0-900	1500	28/40	0-99	Room temp-95
YM2480	550*400*400	88L	0-1200	3000	28/40	0-99	Room temp-95
YM30108	600*450*400	108L	0-1500	3000	28/40	0-99	Room temp-95
YM36135	600*500*450	135L	0-1800	4500	28/40	0-99	Room temp-95
YM48192	700*550*500	192L	0-2400	6000	28/40	0-99	Room temp-95
YM60264	800*600*550	264L	0-3000	7500	28/40	0-99	Room temp-95
YM72360	1000*600*600	360L	0-3600	9000	28/40	0-99	Room temp-95
YM108540	1000*900*600	540L	0-5400	18000	28/40	0-99	Room temp-95

Single-tank filter circulating ultrasonic cleaner

II



Model	Tank Size (mm)	Capacity (L)	Ultrasonic Power	Heating Power	Frequency (KHz)	Timer (Min)	Temperature (°c)
YM1240L	500*300*300	45L	0-600	1500	28/40	0-99	Room temp-95
YM1860L	500*350*350	61L	0-900	1500	28/40	0-99	Room temp-95
YM2480L	550*400*400	88L	0-1200	3000	28/40	0-99	Room temp-95
YM30108L	600*450*400	108L	0-1500	3000	28/40	0-99	Room temp-95
YM36135L	600*500*450	135L	0-1800	4500	28/40	0-99	Room temp-95
YM48192L	700*550*500	192L	0-2400	6000	28/40	0-99	Room temp-95
YM60264L	800*600*550	264L	0-3000	7500	28/40	0-99	Room temp-95
YM72360L	1000*600*600	360L	0-3600	9000	28/40	0-99	Room temp-95
YM108540L	1000*900*600	540L	0-5400	18000	28/40	0-99	Room temp-95

Built-in filter circulating ultrasonic cleaner

III



Model	Tank Size (mm)	Capacity (L)	Ultrasonic Power	Heating Power	Frequency (KHz)	Timer (Min)	Temperature (°c)
YM1240LB	500*300*300	45L	0-600	1500	28/40	0-99	Room temp-95
YM1860LB	500*350*350	61L	0-900	1500	28/40	0-99	Room temp-95
YM2480LB	550*400*400	88L	0-1200	3000	28/40	0-99	Room temp-95
YM3018LB	600*450*400	108L	0-1500	3000	28/40	0-99	Room temp-95
YM36135LB	600*500*450	135L	0-1800	4500	28/40	0-99	Room temp-95
YM48192LB	700*550*500	192L	0-2400	6000	28/40	0-99	Room temp-95
YM60264LB	800*600*550	264L	0-3000	7500	28/40	0-99	Room temp-95
YM72360LB	1000*600*600	360L	0-3600	9000	28/40	0-99	Room temp-95
YM108540LB	1000*900*600	540L	0-5400	18000	28/40	0-99	Room temp-95

Super large single tank ultrasonic cleaner

IV



Model	Tank Size (mm)	Capacity (L)	Ultrasonic Power	Heating Power	Frequency (KHz)	Timer (Min)	Temperature (°c)
YM1920288	2000*1200*800	1920L	0-14400	36000	28/40	0-99	Room temp-95
YM2400360	2000*1200*1000	2400L	0-18000	36000	28/40	0-99	Room temp-95
YM3000436	2000*1500*1200	3000L	0-21800	36000	28/40	0-99	Room temp-95
YM4500576	2500*1500*1200	4500L	0-28800	36000	28/40	0-99	Room temp-95
YM5400648	3000*1500*1200	5400L	0-32400	36000	28/40	0-99	Room temp-95
YM6400720	4000*1600*1000	6400L	0-36000	36000	28/40	0-99	Room temp-95
YM7280916	3500*1600*1300	7280L	0-45800	36000	28/40	0-99	Room temp-95
YM85001152	2500*2000*1700	8500L	0-57600	36000	28/40	0-99	Room temp-95
YM96001224	3200*2000*1500	9600L	0-61200	36000	28/40	0-99	Room temp-95

Dual-tank ultrasonic cleaner series



1st tank

2nd tank

Functions can be customized according to your requirements

Functions can be customized according to your requirements

- Ultrasonic cleaning
- High pressure spraying
- Filtration
- Ultrasonic cleaning
- Hot air drying
- High pressure spraying

1. The whole machine is made of high-quality thickened stainless steel;
2. The hydraulic air rod opening design saves effort to open the cover, and the inner edge of the cover is affixed with a sealing strip;
3. The cleaning tank is equipped with a filtration circulation system, which is composed of a variety of filtration processes to ensure the filtration effect;
4. External ultrasonic generator, control of ultrasonic power adjustment;
5. Size can be customized;



ultrasonic cleaning + hot air drying

Model	Tank Size (mm)	Capacity (L)	Ultrasonic Power	Heating Power	Frequency (KHz)	Dry Power (W)	Timer (Min)	Temperature (°c) & Dry (°c)
YF2-1240	500*300*300mm	45L	0-600	1500	28/40	4500	0-99	Room temp-95 Room temp-150
YF2-1860	500*350*350mm	61L	0-900	1500	28/40	4500	0-99	Room temp-95 Room temp-150
YF2-2480	550*400*400mm	88L	0-1200	3000	28/40	4500	0-99	Room temp-95 Room temp-150
YF2-3018	600*450*400mm	108L	0-1500	3000	28/40	4500	0-99	Room temp-95 Room temp-150
YF2-36135	600*500*450mm	135L	0-1800	4500	28/40	6000	0-99	Room temp-95 Room temp-150
YF2-48192	700*550*500mm	192L	0-2400	6000	28/40	6000	0-99	Room temp-95 Room temp-150
YF2-60264	800*600*550mm	264L	0-3000	7500	28/40	6000	0-99	Room temp-95 Room temp-150
YF2-72360	1000*600*600mm	360L	0-3600	9000	28/40	9000	0-99	Room temp-95 Room temp-150
YF2-108540	1000*900*600mm	540L	0-5400	18000	28/40	9000	0-99	Room temp-95 Room temp-150

ultrasonic cleaning & filtration + ultrasonic rinsing

II

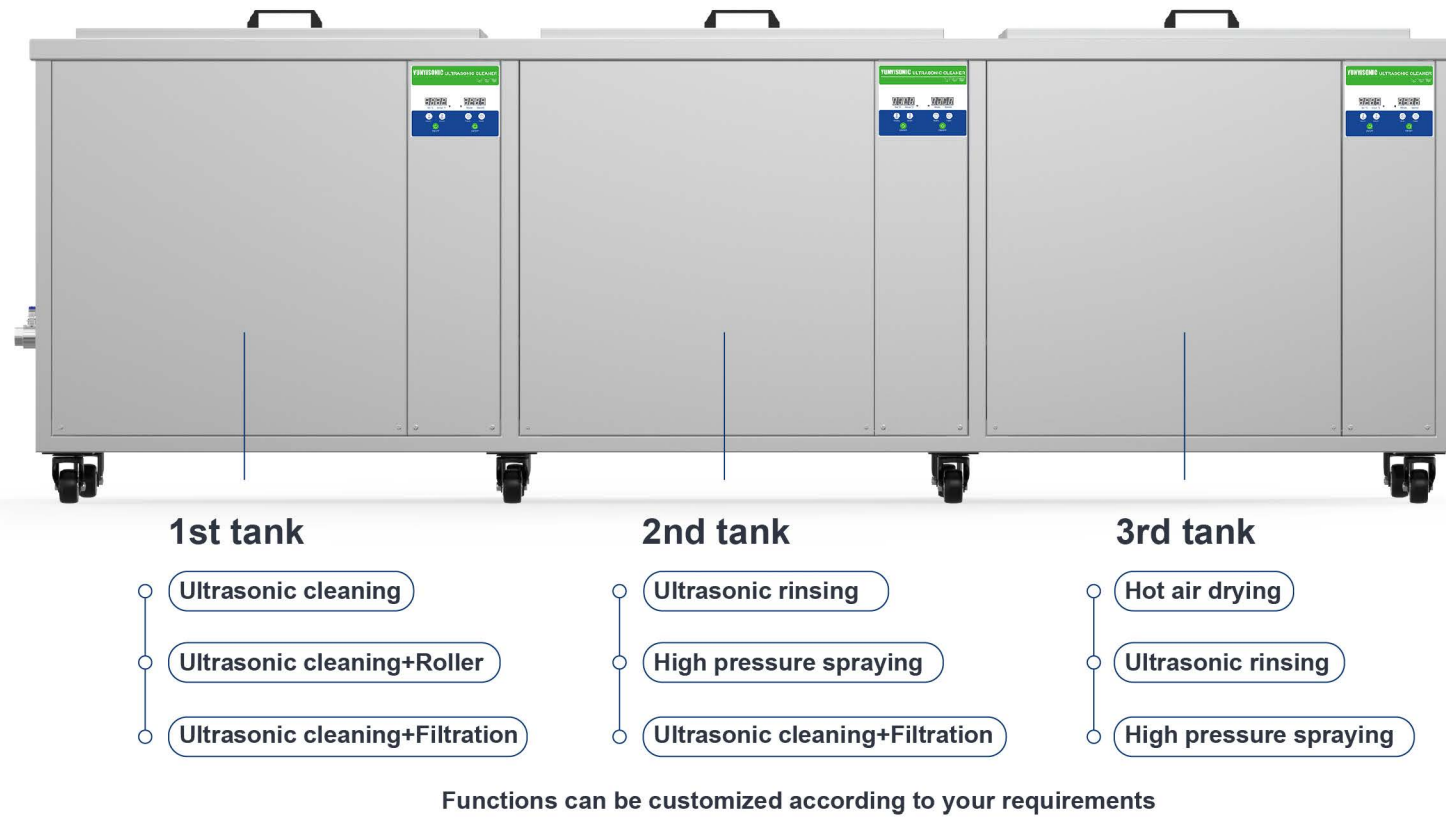
Model	Tank Size (mm)	Capacity (L)	Ultrasonic Power	Heating Power	Frequency (KHz)	Timer (Min)	Temperature (°c)
YF2-1240L	500*300*300mm	45L	0-600	1500	28/40	0-99	Room temp-95
YF2-1860L	500*350*350mm	61L	0-900	1500	28/40	0-99	Room temp-95
YF2-2480L	550*400*400mm	88L	0-1200	3000	28/40	0-99	Room temp-95
YF2-3018L	600*450*400mm	108L	0-1500	3000	28/40	0-99	Room temp-95
YF2-36135L	600*500*450mm	135L	0-1800	4500	28/40	0-99	Room temp-95
YF2-48192L	700*550*500mm	192L	0-2400	6000	28/40	0-99	Room temp-95
YF2-60264L	800*600*550mm	264L	0-3000	7500	28/40	0-99	Room temp-95
YF2-72360L	1000*600*600mm	360L	0-3600	9000	28/40	0-99	Room temp-95
YF2-108540L	1000*900*600mm	540L	0-5400	18000	28/40	0-99	Room temp-95

ultrasonic cleaning & filtration + hot air drying

III

Model	Tank Size (mm)	Capacity (L)	Ultrasonic Power	Heating Power	Frequency (KHz)	Dry Power (W)	Timer (Min)	Temperature (°c) & Dry (°c)
YF2-1240LH	500*300*300mm	45L	0-600	1500	28/40	4500	0-99	Room temp-95 Room temp-150
YF2-1860LH	500*350*350mm	61L	0-900	1500	28/40	4500	0-99	Room temp-95 Room temp-150
YF2-2480LH	550*400*400mm	88L	0-1200	3000	28/40	4500	0-99	Room temp-95 Room temp-150
YF2-3018LH	600*450*400mm	108L	0-1500	3000	28/40	4500	0-99	Room temp-95 Room temp-150
YF2-36135LH	600*500*450mm	135L	0-1800	4500	28/40	6000	0-99	Room temp-95 Room temp-150
YF2-48192LH	700*550*500mm	192L	0-2400	6000	28/40	6000	0-99	Room temp-95 Room temp-150
YF2-60264LH	800*600*550mm	264L	0-3000	7500	28/40	6000	0-99	Room temp-95 Room temp-150
YF2-72360LH	1000*600*600mm	360L	0-3600	9000	28/40	9000	0-99	Room temp-95 Room temp-150
YF2-108540LH	1000*900*600mm	540L	0-5400	18000	28/40	9000	0-99	Room temp-95 Room temp-150

Three-tank ultrasonic cleaner series



ultrasonic cleaning & filtration + ultrasonic rinsing + hot air drying

II

Model	Tank Size (mm)	Capacity (L)	Ultrasonic Power	Heating Power	Frequency (KHz)	Dry Power (W)	Timer (Min)	Temperature (°c) & Dry (°c)
YF3-1240L	500*300*300mm	45L	0-600*2	1500	28/40	4500	0-99	Room temp-95 Room temp-150
YF3-1860L	500*350*350mm	61L	0-900*2	1500	28/40	4500	0-99	Room temp-95 Room temp-150
YF3-2480L	550*400*400mm	88L	0-1200*2	3000	28/40	4500	0-99	Room temp-95 Room temp-150
YF3-3018L	600*450*400mm	108L	0-1500*2	3000	28/40	4500	0-99	Room temp-95 Room temp-150
YF3-36135L	600*500*450mm	135L	0-1800*2	4500	28/40	6000	0-99	Room temp-95 Room temp-150
YF3-48192L	700*550*500mm	192L	0-2400*2	6000	28/40	6000	0-99	Room temp-95 Room temp-150
YF3-60264L	800*600*550mm	264L	0-3000*2	7500	28/40	6000	0-99	Room temp-95 Room temp-150
YF3-72360L	1000*600*600mm	360L	0-3600*2	9000	28/40	9000	0-99	Room temp-95 Room temp-150
YF3-108540L	1000*900*600mm	540L	0-5400*2	18000	28/40	9000	0-99	Room temp-95 Room temp-150

ultrasonic cleaning + ultrasonic rinsing + hot air drying

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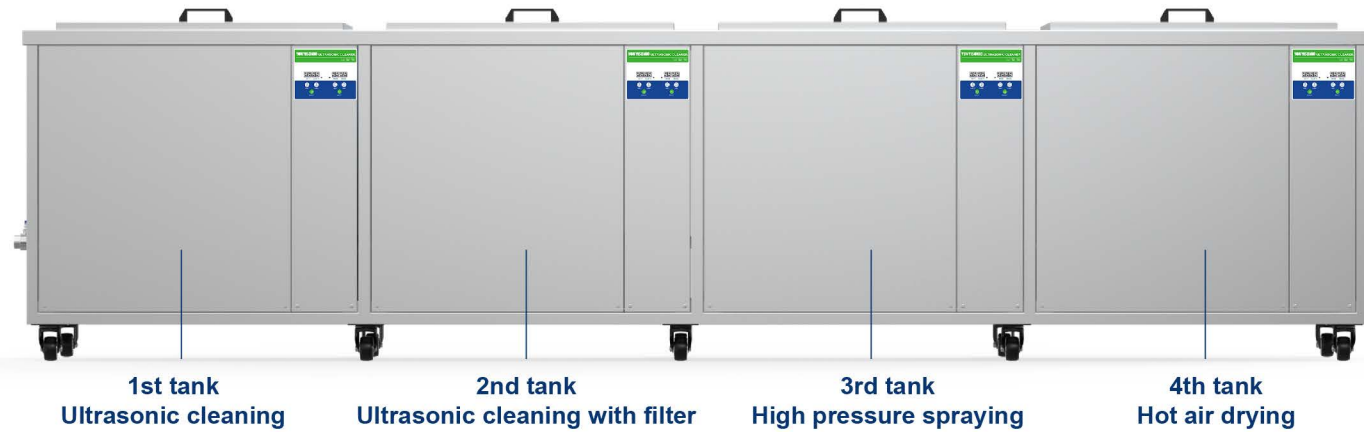
Model	Tank Size (mm)	Capacity (L)	Ultrasonic Power	Heating Power	Frequency (KHz)	Dry Power (W)	Timer (Min)	Temperature (°c) & Dry (°c)
YF3-1240	500*300*300mm	45L	0-600*2	1500	28/40	4500	0-99	Room temp-95 Room temp-150
YF3-1860	500*350*350mm	61L	0-900*2	1500	28/40	4500	0-99	Room temp-95 Room temp-150
YF3-2480	550*400*400mm	88L	0-1200*2	3000	28/40	4500	0-99	Room temp-95 Room temp-150
YF3-3018	600*450*400mm	108L	0-1500*2	3000	28/40	4500	0-99	Room temp-95 Room temp-150
YF3-36135	600*500*450mm	135L	0-1800*2	4500	28/40	6000	0-99	Room temp-95 Room temp-150
YF3-48192	700*550*500mm	192L	0-2400*2	6000	28/40	6000	0-99	Room temp-95 Room temp-150
YF3-60264	800*600*550mm	264L	0-3000*2	7500	28/40	6000	0-99	Room temp-95 Room temp-150
YF3-72360	1000*600*600mm	360L	0-3600*2	9000	28/40	9000	0-99	Room temp-95 Room temp-150
YF3-108540	1000*900*600mm	540L	0-5400*2	18000	28/40	9000	0-99	Room temp-95 Room temp-150

ultrasonic cleaning + high pressure spraying + hot air drying

III

Model	Tank Size (mm)	Capacity (L)	Ultrasonic Power	Heating Power	Frequency (KHz)	Dry Power (W)	Timer (Min)	Temperature (°c) & Dry (°c)
YF3-1240LH	500*300*300mm	45L	0-600	1500	28/40	4500	0-99	Room temp-95 Room temp-150
YF3-1860LH	500*350*350mm	61L	0-900	1500	28/40	4500	0-99	Room temp-95 Room temp-150
YF3-2480LH	550*400*400mm	88L	0-1200	3000	28/40	4500	0-99	Room temp-95 Room temp-150
YF3-3018LH	600*450*400mm	108L	0-1500	3000	28/40	4500	0-99	Room temp-95 Room temp-150
YF3-36135LH	600*500*450mm	135L	0-1800	4500	28/40	6000	0-99	Room temp-95 Room temp-150
YF3-48192LH	700*550*500mm	192L	0-2400	6000	28/40	6000	0-99	Room temp-95 Room temp-150
YF3-60264LH	800*600*550mm	264L	0-3000	7500	28/40	6000	0-99	Room temp-95 Room temp-150
YF3-72360LH	1000*600*600mm	360L	0-3600	9000	28/40	9000	0-99	Room temp-95 Room temp-150
YF3-108540LH	1000*900*600mm	540L	0-5400	18000	28/40	9000	0-99	Room temp-95 Room temp-150

Multi-tank ultrasonic cleaner series



The multi-tank ultrasonic cleaning machine uses city water, pure water, alkaline or weakly acidic, water-based solvents as cleaning agents, and is mostly combined with spraying, electrolysis, soaking, bubbling and other cleaning methods, and is combined with a suitable product drying method. It is especially suitable for cleaning small batches of electronic circuit boards, electronic parts, watch parts, metal stamping parts, metal machining parts, glassware, semiconductor silicon wafers, etc. It has the characteristics of unique technology, strong pertinence, simple structure and convenient use. Moreover, the equipment cost is low, the investment is small, and it can meet the special cleaning requirements of different products.



Support non-standard customization Various functions are optional



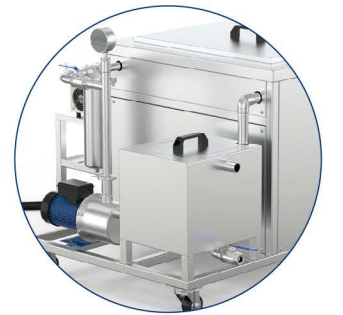
Roller system



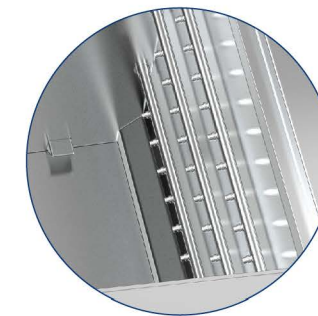
Refrigeration process



Explosion-proof



Filtration system



side transducer



Bubble system



Lift out system



Hot air drying

Ultrasonic cleaning + Filtration + High pressure spraying + Hot air drying

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Model	Tank Size (mm)	Capacity (L)	Ultrasonic Power	Heating Power	Frequency (KHz)	Dry Power (W)	Timer (Min)	Temperature (°c) & Dry (°c)
YF4-1240	500*300*300mm	45L	0-600*2	1500*2	28/40	4500	0-99	Room temp-95 Room temp-150
YF4-1860	500*350*350mm	61L	0-900*2	1500*2	28/40	4500	0-99	Room temp-95 Room temp-150
YF4-2480	550*400*400mm	88L	0-1200*2	3000*2	28/40	4500	0-99	Room temp-95 Room temp-150
YF4-3018	600*450*400mm	108L	0-1500*2	3000*2	28/40	4500	0-99	Room temp-95 Room temp-150
YF4-36135	600*500*450mm	135L	0-1800*2	4500*2	28/40	6000	0-99	Room temp-95 Room temp-150
YF4-48192	700*550*500mm	192L	0-2400*2	6000*2	28/40	6000	0-99	Room temp-95 Room temp-150
YF4-60264	800*600*550mm	264L	0-3000*2	7500*2	28/40	6000	0-99	Room temp-95 Room temp-150
YF4-72360	1000*600*600mm	360L	0-3600*2	9000*2	28/40	9000	0-99	Room temp-95 Room temp-150
YF4-108540	1000*900*600mm	540L	0-5400*2	18000*2	28/40	9000	0-99	Room temp-95 Room temp-150

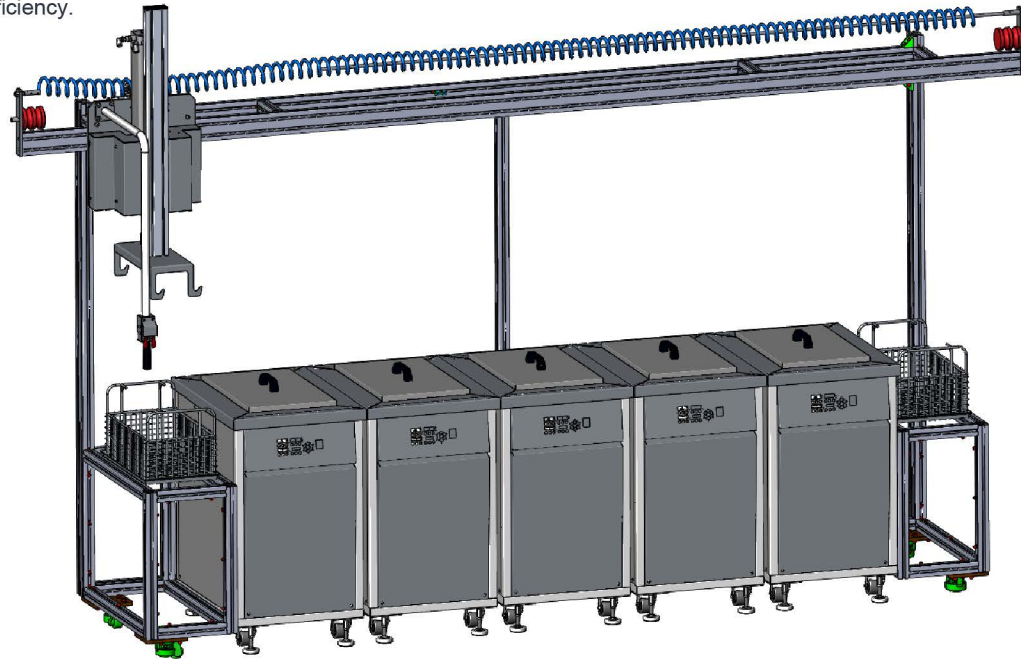


Semi-automatic ultrasonic cleaner series

The semi-automatic ultrasonic cleaning machine is an ultrasonic cleaning equipment that is assisted by manual cleaning. It mostly uses a manual translation mechanism to transport the cleaning basket to each process, and the rest is completed by the equipment independently. This design effectively solves the problem of difficult workpiece transfer during the cleaning process, saves manual transfer time, reduces labor intensity, and is very cost-effective for customers who clean workpieces with large quality or quantity.

Moving and lifting ultrasonic cleaning machine

1. The loading and unloading and cleaning basket are moved by the translation mechanism in the whole process, which saves manpower.
2. The cleaning tank can be configured with different functions to speed up product cleaning efficiency.
3. It has relevant protections such as liquid level, overload, leakage, etc., and has high safety.
4. The Moving and lifting system is detachable and highly flexible.



Crane Ultrasonic Cleaner

1. The space utilization rate of the overall design site is high.
2. The equipment has strong stability and stable start/brake.
3. Loading and unloading are all assisted by the crane system, which saves labor costs.
4. The load-bearing performance is good, the crane can be moved, and the working range is wider.



Ultrasonic transducer rod

Features:

1. Flexible operation, small size, can be freely placed in any position for cleaning.
2. The output power is stable and uniform, not affected by load changes such as liquid level, tank capacity and temperature difference.
3. Flexible and accurate operation, multiple frequencies to choose from, and with generator control system.
4. Industrial-grade transducer, concentrated strength, remarkable cleaning effect, can work continuously for a long time without interruption.
5. Multiple purposes, can be used for cleaning, emulsification, stirring, separation, extraction, defoaming, etc.
6. Support ODM&OEM customization, can provide professional solutions.

Model	Transducer (pcs)	Diameter (mm)	Length (mm)	Power (W)	Frequency (KHz)
YH0320	3	60/50	200	150	28/40
YH0635	6	60/50	350	300	28/40
YH0950	9	60/50	500	450	28/40
YH1265	12	60/50	650	600	28/40
YH1580	15	60/50	800	750	28/40
YH1895	18	60/50	950	900	28/40
YH21105	21	60/50	1050	1050	28/40



Industrial ultrasonic transducer bar



Titanium alloy ultrasonic transducer bar



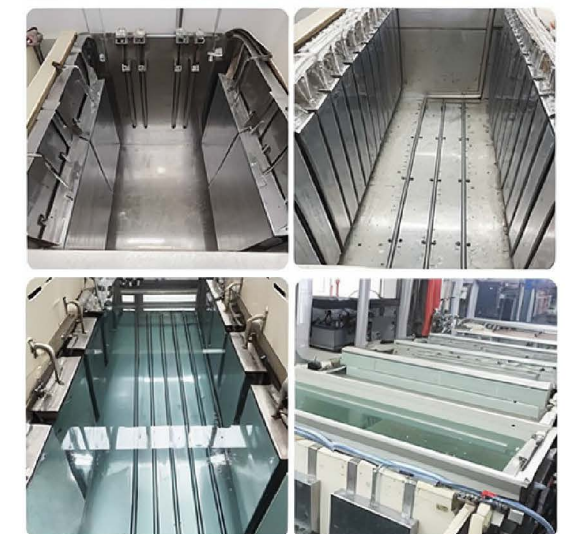
Square ultrasonic transducer box

Ultrasonic transducer box

Features:

1. Simple and convenient operation, it can be used after wiring without cumbersome operation
2. Using a split structure, it is convenient to use and maintain between the transducer box and the ultrasonic generator.
3. Ultrasonic power can be adjusted, strong and even force, stable performance.
4. Wide range of applications;
5. The installation layout is flexible, and can be installed on the bottom, side, or top according to different requirements

Model	Transducer (pcs)	Diameter (mm)	Length (mm)	Power (W)	Frequency (KHz)
YK0618	6	280*180*100	200	300	28/40
YK1225	12	360*250*100	350	600	28/40
YK1830	18	410*300*100	500	900	28/40
YK2435	24	500*350*100	650	1200	28/40
YK3042	30	550*420*100	800	1500	28/40
YK3650	36	620*500*100	950	1800	28/40
YK4860	48	750*600*100	1050	2400	28/40



Ultrasonic Liquid Processing System

Features:

1. Fragmentation of cells, bacteria, viruses, spores and other cellular structures
2. Homogeneous soil and rock samples
3. Preparation of DNA fragmentation in high-throughput sequencing and chromatin immunoprecipitation
4. Study the structural and physical characteristics of rocks
5. Ultrasound to homogenize beverages
6. Alcoholization of wine-aging technology
7. Cracking, emulsification, homogenization and crushing of particulate mattersuch as carbon nanotubes and rare earth materials
8. Speed up the dissolution and speed up the chemical reaction, for example for the processing of oil



Model	Ultrasonic Power(W)	Power Supply	Probe Diameter(mm)	length (mm)	Probe Material	Frequency (Khz)
YR-2850	500W	AC220V	9mm	280mm	Titanium Alloy	28KHz
YR-3550	500W	AC220V	9mm	280mm	Titanium Alloy	35KHz
YR-2100	1000W	AC220V	16/25mm	290mm	Titanium Alloy	20KHz
YR-2150	1500W	AC220V	16/25mm	290mm	Titanium Alloy	20KHz
YR-2151	1500W	AC220V	40mm	370mm	Titanium Alloy	20KHz
YR-2200	2000W	AC220V	40mm	370mm	Titanium Alloy	20KHz
YR-2250	2500W	AC220V	40mm	420mm	Titanium Alloy	20KHz
YR-2300	3000W	AC220V	40mm	420mm	Titanium Alloy	20KHz



Constant temperature explosion-proof ultrasonic cleaning machine

- ◆ The tank is equipped with a condensation coil, which can control the volatilization speed and temperature of the flammable and explosive cleaning solvent, and avoid the spontaneous combustion of the gas.
- ◆ Equipped with an explosion-proof system to reduce the probability of equipment burning and explosion during operation and ensure the safety of equipment operation.
- ◆ Equipped with a filtration system, the cleaning fluid can be reused and the cleaning cost can be saved.



Pure water equipment

- ◆ Equipment configuration adopts pretreatment + reverse osmosis host, which can effectively remove various salts and impurities;
- ◆ High-quality activated carbon filtration, absorbing different colors, odors, residual chlorine, impurities, etc. in the water, further improving the water quality;
- ◆ Quartz sand removes sediment, suspended solids and other particles in water;
- ◆ Equipment automatic detection and alarm function;
- ◆ Equipped with a water softener to replace calcium and magnesium ions in the water and reduce the hardness of the water.



Cooling Ultrasonic Cleaner

- ◆ The built-in cooling system effectively prevents the volatilization of solvents.
- ◆ It is equipped with a liquid level control system to ensure the normal operation of the machine.
- ◆ High and low temperature contrast can be used to achieve high-density cleaning with good cleaning effect.
- ◆ The cleaning fluid can be recycled and reused, saving cleaningcost.



Drying equipment (dryer, tunnel drying furnace)

- ◆ Using automatic control device, only need to adjust the time through the control panel, the whole drying process can be completed automatically.
- ◆ Low operating cost and energy saving.
- ◆ Different drying methods can be customized according to the product, which can greatly speed up the drying speed of the workpiece.



Electrolytic Ultrasonic Cleaner

- ◆ The cleaning effect is good, and the dirt in the pores can be effectively removed.
- ◆ Excellent derusting effect.
- ◆ After cleaning, the metal can be restored to its original color.
- ◆ Suitable for cleaning all kinds of moulds.



Roller Ultrasonic Cleaner

- ◆ The workpiece is 360° all-round rolling cleaning without dead angle to ensure the cleaning effect.
- ◆ Roller driving mechanism + ultrasonic cleaning to speed up the cleaning efficiency of workpieces.
- ◆ Cleaning time and roller speed are adjustable, flexible and convenient.
- ◆ Single-tank or multi-tank rolling ultrasonic cleaning can be customized according to customer needs.



Lifting Ultrasonic Cleaning Machine

- ◆ One-button lifting, which can save manpower.
- ◆ The lifting speed is controllable, which can accelerate the draining of the surface moisture of the workpiece.
- ◆ Comprehensive and thorough cleaning of the workpiece can accelerate the removal of dirt.
- ◆ Elevation can be turned into up and down agitating effect, which can improve cleaning efficiency.



Rotary Spraying cleaner

- ◆ It can be cleaned in large quantities, saving labor costs.
- ◆ All-round spraying can be realized, and there is no dead angle for cleaning.
- ◆ The cleaning efficiency is high, and the dirt on the surface of the workpiece can be quickly peeled off.
- ◆ The operation is simple and convenient, and the cleaning process is fully automatic.

Certifications & Compliance

YUNYI is a certified ultrasonic cleaning equipment manufacturer with a complete and reliable quality management system. Our products comply with major international standards and regulations, including ISO 9001, CE, FCC, and RoHS, ensuring safety, stability, and global market compatibility. In addition, YUNYI holds import & export qualifications and relevant medical device filing records, providing customers with strong compliance support for industrial, laboratory, and medical-related applications.



Strategic Partners

Granbo works closely with global distributors, system integrators, and industry-leading manufacturers across automotive, electronics, medical, food, and industrial sectors. Through long-term strategic partnerships, we continuously optimize product performance, customization capabilities, and supply efficiency—delivering stable, scalable, and professional ultrasonic cleaning solutions worldwide.

