



Industrial Cleaning Equipment Series

Skymen Technology Corporation Limited

Focus on Precision Cleaning

As an industrial precision cleaning & system integration specialist, we provide customized, innovative precision cleaning solutions to clients worldwide.

Founded

2007

Export Region

100+

Employees

350+

Industries Served

20+

Manufacturing Center



Focus on

Precision Cleaning

Featuring standard and dust-free cleanrooms with Class 100 and Class 10,000 cleanrooms, ensure a rigorous environment for precision assembly, testing, and process validation. Full-chain in-house manufacturing—from laser cutting and welding to final integration—guarantees superior precision, consistent quality, and efficient delivery.



R&D Personnel

65+

Scientific Tests

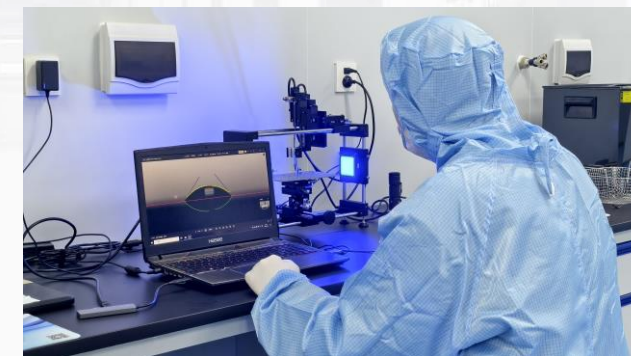
1000+

Phase I

35000+ m²

Phase II

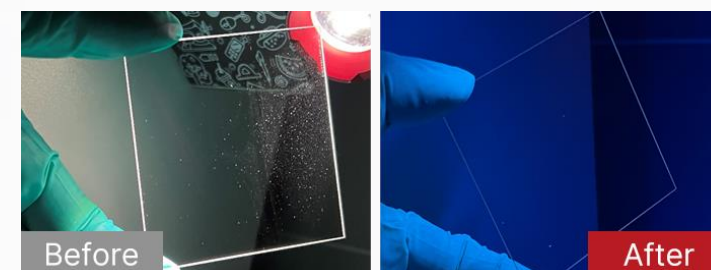
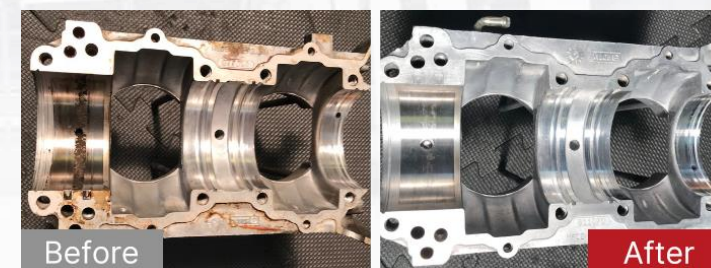
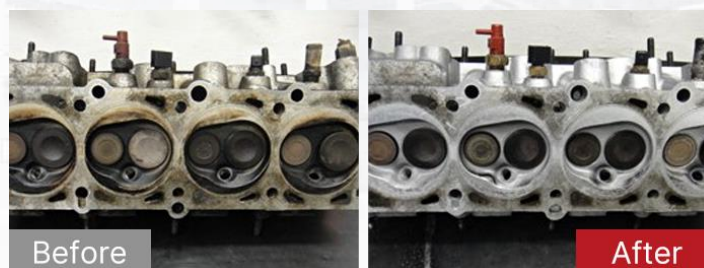
70000+ m²



Unmatched Cleaning Performance



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Skymen Certifications



Focus on
Precision Cleaning

330+

Obtained & Pending
Patents

60+

Copyrights

50+

Invention Patents

70+

Utility Patents



Management System Certifications

- ISO 9001 Quality Management System
- ISO 14001 Environmental Management System
- ISO 45001 Occupational Health and Safety Management System
- SA8000 Social Accountability Management System

Standards Drafting & Contribution

Co-authored the industry and safety standards for:

- Industrial Ultrasonic Cleaning Machines
- Wafer Cleaning Equipment (Technical Specifications)
- Automatic Vacuum Hydrocarbon Ultrasonic Cleaners (Safety Requirements)

Industry Affiliations & Memberships

- Member of ICAC (Industrial Cleaning Association of China)
- Member of SSIA (Shenzhen Semiconductor Industry Association)
- Member of CHA (China Hydrogen Alliance)
- Member of ASC (Acoustical Society of China)

Product Compliance Certifications

CE FC RoHS  Ex

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Pass-Through Ultrasonic Cleaning Line
Automatic Vapor Degreaser
Hydrocarbon / Modified Alcohol Cleaning Machine



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Ultrasonic Cleaner with Lifting System
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PART ONE .

01

Standard Series

Single Tank Ultrasonic Cleaner | 02-04

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Single Tank Ultrasonic Cleaner



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40kHz or 28kHz

50W ultrasonic transducer

Timing: 0-99 MIN

Heating: Room temp-95°C

Features

- Built-in ultrasonic generator control system
- Industrial-grade ultrasonic transducer with strong intensity and stable output
- Overheat, overload, and short-circuit protection to prevent equipment damage
- High-quality SS material, corrosion-resistant, high-temp resistant, non-deformable for long-term use

JP-ST Series Parameters

Model	Capacity (L)	Tank Size (mm)	Ultrasonic Power (W)	Heating Power (W)	Frequency (kHz)
JP-120ST	38	500*300*250	0-600	1500	28/40
JP-180ST	53	500*350*300	0-900	1500	28/40
JP-240ST	77	550*400*350	0-1200	3000	28/40
JP-300ST	99	550*450*400	0-1500	3000	28/40
JP-301ST	96	800*300*400	0-1500	3000	28/40
JP-360ST	135	600*500*450	0-1800	4500	28/40
JP-480ST	175	700*500*500	0-2400	6000	28/40
JP-600ST	264	800*600*550	0-3000	6000	28/40
JP-720ST	360	1000*600*600	0-3600	9000	28/40
JP-840ST	420	1500*700*400	0-4200	15000	28/40
JP-960ST	480	1200*500*800	0-4800	15000	28/40
JP-1108ST	540	1000*900*600	0-5400	18000	28/40
JP-1120ST	640	1000*800*800	0-6000	21000	28/40
JP-1132ST	800	1000*1000*800	0-6600	24000	28/40
JP-1144ST	960	1200*1000*800	0-7200	27000	28/40
JP-1216ST	1500	1500*1000*1000	0-10800	36000	28/40



Single Tank Ultrasonic Cleaner with Filtration System



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40kHz or 28kHz

50W ultrasonic transducer

Timing: 0-99 MIN

Heating: Room temp-95°C

Features

- Equipped with a filtration system, the cleaning fluid is recycled to reduce the frequency of fluid changes
- Industrial-grade ultrasonic transducer with strong intensity and stable output
- Overheat, overload, and short-circuit protection to prevent equipment damage
- High-quality SS material, corrosion-resistant, high-temp resistant, non-deformable for long-term use

JP-G Series Parameters

Model	Capacity (L)	Tank Size (mm)	Ultrasonic Power (W)	Heating Power (W)	Frequency (kHz)
JP-120G	38	500*300*250	0-600	1500	28/40
JP-180G	53	500*350*300	0-900	1500	28/40
JP-240G	77	550*400*350	0-1200	3000	28/40
JP-300G	99	550*450*400	0-1500	3000	28/40
JP-301G	96	800*300*400	0-1500	3000	28/40
JP-360G	135	600*500*450	0-1800	4500	28/40
JP-480G	175	700*500*500	0-2400	6000	28/40
JP-600G	264	800*600*550	0-3000	6000	28/40
JP-720G	360	1000*600*600	0-3600	9000	28/40
JP-840G	420	1500*700*400	0-4200	15000	28/40
JP-960G	480	1200*500*800	0-4800	15000	28/40
JP-1108G	540	1000*900*600	0-5400	18000	28/40
JP-1120G	640	1000*800*800	0-6000	21000	28/40
JP-1132G	800	1000*1000*800	0-6600	24000	28/40
JP-1144G	960	1200*1000*800	0-7200	27000	28/40
JP-1216G	1500	1500*1000*1000	0-10800	36000	28/40



Extra Large Ultrasonic Cleaner



Features

- Using pure manual argon arc welding, durable and high-temperature resistant
- Unique memory chip and independent generator control system
- Capacity from 1500L to 20480L available, perfect for large-scale cleaning tasks, such as heat exchangers, large engines, aircraft parts, etc.
- PLC intelligent control ensures automated, precise cleaning process
- The filtration system is optional, which recycles the cleaning fluid to reduce the frequency of fluid changes
- Equipped with ladders and platforms available, and customizable functions like cranes and more for better operation

JP-ST Series Parameters

Model	Capacity (L)	Tank Size (mm)	Ultrasonic Power (W)	Heating Power (W)	Frequency (kHz)
JP-1216ST	1500	1500*1000*1000	0-10800	36000	28/40
JP-1288ST	1920	2000*1200*800	0-14400	36000	28/40
JP-1360ST	2400	2000*1200*1000	0-18000	36000	28/40
JP-1432ST	3000	2000*1500*1200	0-21800	36000	28/40
JP-1576ST	4500	2500*1500*1200	0-28800	36000	28/40
JP-1648ST	5400	3000*1500*1200	0-32400	36000	28/40
JP-1720ST	6400	4000*1600*1000	0-36000	36000	28/40
JP-1936ST	7280	3500*1600*1300	0-45800	36000	28/40
JP-11152ST	8500	2500*2000*1700	0-57600	36000	28/40
JP-11224ST	9600	3200*2000*1500	0-61200	36000	28/40
JP-11368ST	11520	8000*1200*1200	0-68400	36000	28/40
JP-11512ST	20480	8000*1600*1600	0-75600	48000	28/40



Dual Tank Ultrasonic Cleaner

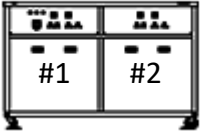


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Features

- Double-tank design: independent cleaning tank and rinsing/ drying tank
- Support timed cleaning (0–99 hours adjustable), suitable for long-term continuous work
- Built-in heating system, room temperature–95°C (cleaning)/ 120°C (drying) adjustable
- 50W industrial-grade ultrasonic transducer, strong and durable
- The cleaning/ rinsing tank can be equipped with a filtration system
- Multiple safety protections such as overheating, overload, short circuit, etc.

Process Flow		
	JP-GH Series	#1 Ultrasonic Cleaning & Filtration
	JP-H Series	#1 Ultrasonic Cleaning
	JP-G Series	#1 Ultrasonic Cleaning & Filtration
		#2 Hot Air Drying
		#2 Hot Air Drying
		#2 Ultrasonic Rinsing



JP-GH Series Parameters

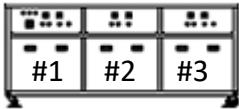
Model	Capacity (L)	Tank Size (mm)	Ultrasonic Power (W)	Heating Power (W)	Drying Power (W)	Frequency (kHz)
JP-2012GH	38	500*300*250	0-600	1500	3000	28/40
JP-2018GH	53	500*350*300	0-900	1500	3000	28/40
JP-2024GH	77	550*400*350	0-1200	3000	3000	28/40
JP-2030GH	99	550*450*400	0-1500	3000	3000	28/40
JP-2031GH	96	800*300*400	0-1500	3000	3000	28/40
JP-2036GH	135	600*500*450	0-1800	4500	3000	28/40
JP-2048GH	175	700*500*500	0-2400	6000	3000	28/40
JP-2060GH	264	800*600*550	0-3000	6000	3000	28/40
JP-2072GH	360	1000*600*600	0-3600	9000	6000	28/40

Three Tank Ultrasonic Cleaner



Features

- The multistage design realizes ultrasonic cleaning, rinsing, spraying, drying, and other functions
- Each tank has independent temperature control, timing, power adjustment, and other settings
- The operation interface is simple and clear, and easy to operate
- Equipped with a filtration system to reduce the frequency of changing cleaning agents and water
- Compatible with diverse cleaning needs

Process Flow			
	#1	#2	#3
JP-GH Series	#1 Ultrasonic Cleaning & Filtration	#2 Ultrasonic Rinsing	#3 Hot Air Drying
JP-GPH Series	#1 Ultrasonic Cleaning & Filtration	#2 High-Pressure Spraying	#3 Hot Air Drying



JP-GH Series Parameters

Model	Capacity (L)	Tank Size (mm)	Ultrasonic Power (W)	Heating Power (W)	Drying Power (W)	Frequency (kHz)
JP-3024GH	38	500*300*250	0-600W*2	1500W*2	3000	28/40
JP-3036GH	53	500*350*300	0-900W*2	1500W*2	3000	28/40
JP-3048GH	77	550*400*350	0-1200W*2	3000W*2	3000	28/40
JP-3060GH	99	550*450*400	0-1500W*2	3000W*2	3000	28/40
JP-3062GH	96	800*300*400	0-1500W*2	3000W*2	3000	28/40
JP-3072GH	135	600*500*450	0-1800W*2	4500W*2	3000	28/40
JP-3096GH	175	700*500*500	0-2400W*2	6000W*2	3000	28/40
JP-3120GH	264	800*600*550	0-3000W*2	6000W*2	3000	28/40
JP-3144GH	360	1000*600*600	0-3600W*2	9000W*2	6000	28/40

Multi Stage Ultrasonic Cleaner



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Features

- Support combinations of cleaning, rinsing, drying, and various additional processes to meet different cleaning standards
- Suitable for industries with high precision, high cleanliness or special environment requirements
- Customized with parameters such as size, frequency, and power etc.
- Suitable for large-volume cleaning

Customization Processes (Optional)

Cleaning Processes

Ultrasonic cleaning, high-pressure spraying, soaking

Drying Processes

Hot air drying, vacuum drying, centrifugal drying, air cutting

Additional Processes

Lifting, agitator, bubbling, rotating, rolling, stirring, refrigerating, filtration, overflow

Compatible with Different Materials

It has a good cleaning effect on items of various materials, including metal, plastic, glass, ceramics, etc. It can complete the cleaning task without damaging the material

PART TWO.

02

Immersible Transducer

Immersion Transducer Box | 09

Ultrasonic Rod Transducer | 10

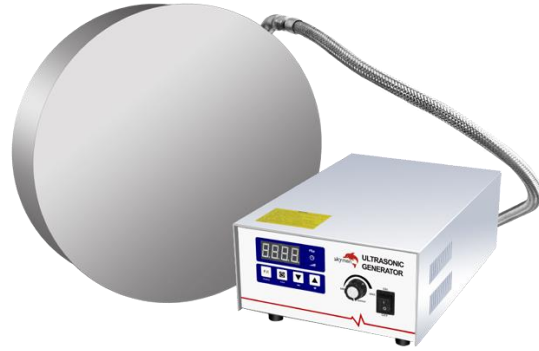
Immersion Transducer Box



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Square Transducer Box

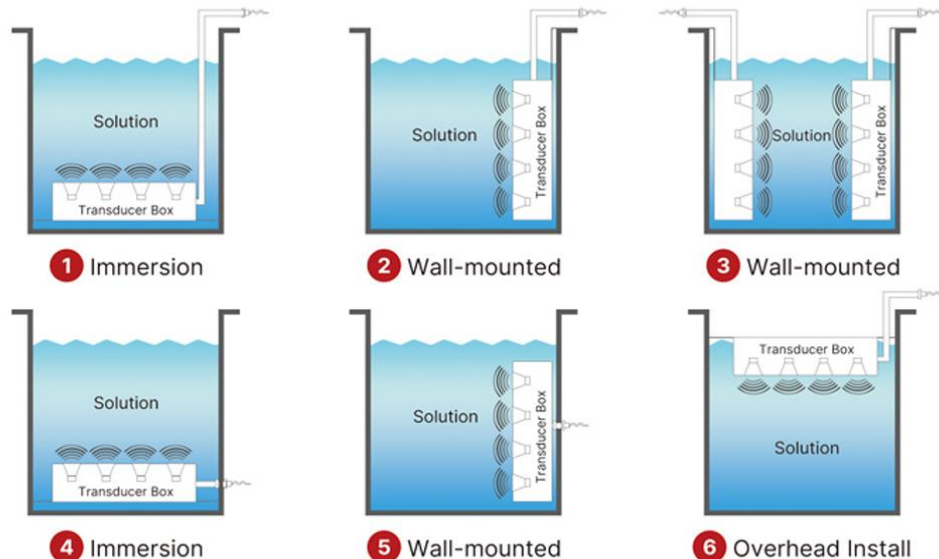


Round Transducer Box

Features

- Made of SUS304 or 316L stainless steel, the surface can be chrome-plated according to requirements to improve corrosion resistance
- Special bonding technology ensures that the transducer is firmly connected to the steel plate, enabling the vibrating plate to work stably for a long time
- Adopts a split structure, and the vibrating plate and the ultrasonic generator are connected by a high-frequency line
- It can be made into bottom-vibrating, side-vibrating, and top-vibrating types according to needs to meet various cleaning requirements
- Customizable with various sizes, powers, frequencies, and more, it can also enable PLC control

Installation method



Model	Unit Size (mm)	Transducer No. (pcs)	Ultrasonic Power (W)	Frequency (kHz)	Discharge method
JP-1006I	305*205*100	6	0-300	28/40	Hard pipe/ hose
JP-1012I	355*305*100	12	0-600	28/40	Hard pipe/ hose
JP-1018I	340*280*100	18	0-900	28/40	Hard pipe/ hose
JP-1024I	430*280*100	24	0-1200	28/40	Hard pipe/ hose
JP-1030I	460*370*100	30	0-1500	28/40	Hard pipe/ hose
JP-1036I	550*450*100	36	0-1800	28/40	Hard pipe/ hose
JP-1048I	600*450*100	48	0-2400	28/40	Hard pipe/ hose

Ultrasonic Rod Transducer



Stainless Steel Ultrasonic Rod Transducer

Model	Diameter (mm)	Length (mm)	Ultrasonic Power (W)	Frequency (kHz)
JP-1003M	57	180	0-150	28/40
JP-1006M	57	300	0-300	28/40
JP-1012M	57	550	0-600	28/40
JP-1018M	57	750	0-900	28/40
JP-1024M	57	1000	0-1200	28/40
JP-1036M	57	1520	0-1800	28/40

Features

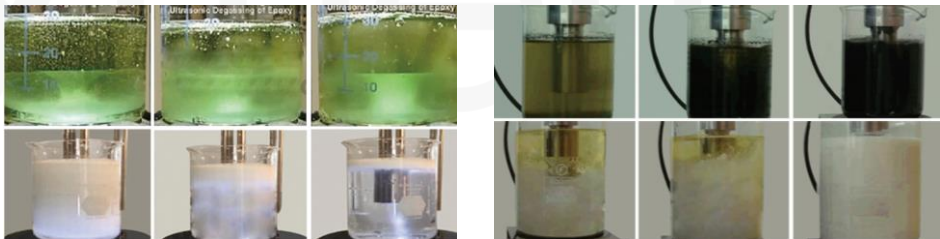
- Made of corrosion-resistant materials such as stainless steel and titanium alloy, it can be used in various harsh working environments
- Designable in different shapes and sizes to meet various container and material handling requirements
- Easy to install and does not require a complicated assembly process
- Adopts a split structure, the vibrator and ultrasonic generator are connected by a high-frequency line
- Suitable for cleaning, emulsification, extraction, mixing, crushing, defoaming, etc.



Energy Concentrated Ultrasonic Rod Transducer

Model	Diameter (mm)	Length (mm)	Ultrasonic Power (W)	Frequency (kHz)
JP-300N-70	53	70	0-300	20
JP-500N-140	53	140	0-500	20
JP-1000N-210	53	210	0-1000	20
JP-1000N-350	53	350	0-1000	20
JP-1500N-490	53	490	0-1500	20
JP-2000N-630	53	630	0-2000	20

Application



PART THREE .

Semi-Automatic / Fully-Automatic Series

Semi-Automatic Ultrasonic Cleaning Line | 12

Water-Based Cleaning Machine | 13

Pass-Through Ultrasonic Cleaning Line | 14

Automatic Vapor Degreaser | 15

Hydrocarbon / Modified Alcohol Cleaning Machine | 16

Semi-Automatic Ultrasonic Cleaning Line



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Semi-Automatic Cleaning Line with Roller System



Semi-Automatic Cleaning Line with Motorized Transfer System



Semi-Automatic Cleaning Line with Crane System



Semi-Automatic Operation Design

Manually controlled the translation devices or cranes to transport the cleaning basket to each process



Temperature control system

Heats the cleaning fluid to keep it within the optimal working temperature range, improving cleaning effect



Industrial-Grade Ultrasonic Transducer

Adopts 50W transducer, which can efficiently convert electrical energy into mechanical energy, with uniform and stable vibration and durability



Filtration System

Filters the cleaning fluid to remove oil stains and impurities floating on the liquid surface, reducing the frequency of cleaning fluid replacement and preventing pollution



Inner Tank Material

304 or 316L stainless steel is selected, which has good corrosion resistance, oxidation resistance, and mechanical strength



Wide Application Range

Suitable for cleaning various materials and types of workpieces, such as metal parts, electronic components, optical glass, plastic rubber, etc.



Safety

Multiple protection mechanisms such as over-temperature protection, overload protection, leakage protection, and liquid level alarm

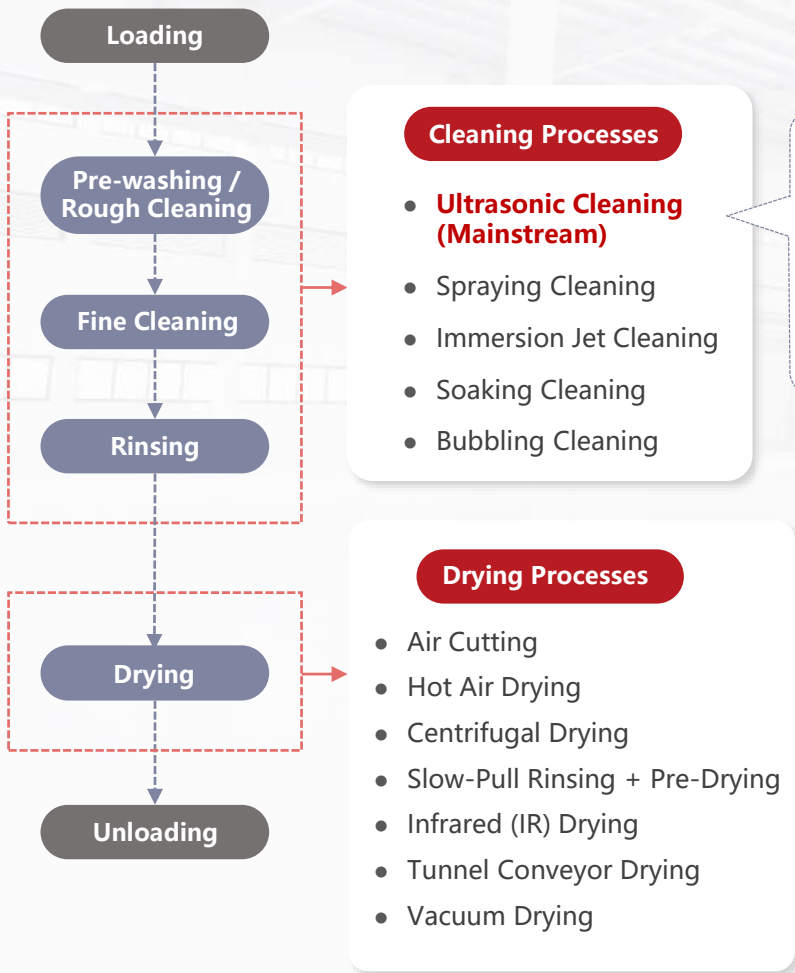
Automatic Water-Based Cleaning Machine

Multi-stage automatic cleaning system with integrated robotics to maximize throughput and operational continuity



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Cleaning Process Flow



Cleaning Processes

- **Ultrasonic Cleaning (Mainstream)**
- Spraying Cleaning
- Immersion Jet Cleaning
- Soaking Cleaning
- Bubbling Cleaning

Ultrasonic Frequency

28kHz	40kHz	80kHz	120kHz	140kHz
170kHz	200kHz	240kHz	270kHz	1MHz

Frequency Modes

- **Single Frequency:** Operates at a single, fixed frequency (e.g., 28 kHz, 40 kHz).
- **Multi-Frequency:** Supports switching between multiple fixed frequencies (e.g., 28 kHz/40 kHz dual-frequency).

Drying Processes

- Air Cutting
- Hot Air Drying
- Centrifugal Drying
- Slow-Pull Rinsing + Pre-Drying
- Infrared (IR) Drying
- Tunnel Conveyor Drying
- Vacuum Drying

Auxiliary Functions

Fluid Management & Treatment

- Liquid Circulation & Filtration System
- Oil Separator
- High/Middle/Low Liquid Level Sensor
- Automatic Chemical Dosing & Mixing
- Conductivity, pH & TDS Monitoring
- Cascading/Overflow

Mechanical & Automation Systems

- Agitation
- Slow Pull Lifting
- Loading/Unloading Conveyor
- Basket Rotation
- Automated Robot Arm/Transfer
- Automatic Lid Opening & Closing
- Basket Returning Line

Electrical & Control Systems

- Fully Automatic PLC Control System
- Touchscreen HMI
- I/O
- PC Communication

Safety & Environmental Protection

- Leakage, Overload & Over-Temperature Protection
- Safety Interlocks
- Exhaust Ventilation & Emission System

Automatic Pass-Through Ultrasonic Cleaning Line



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A continuous, automatic cleaning line with mesh belt or chain transport and sequential cleaning-rinsing-drying stations, big cleaning capacity

Available Working Processes

- **Spray Cleaning/Rinsing (Mainstream)**
- Ultrasonic Cleaning
- Bubbling Cleaning
- Isolation in Case of Liquid Mixed
- Spray Rinsing
- Passivation
- Ultrasonic Rinsing
- Bubbling Rinsing
- Air Cutting
- Hot Air Drying



Drying Processes

Air Cutting:

Powerful high-pressure wind strips surface water films instantly

Hot Air Drying:

Tunnel conveyor drying for spot-free, instantly dry parts ready for the next process

Continuous Automation

Stainless steel mesh belt/chain/roller transport for automated loading, sequential processing, and unloading, enabling 24/7 non-stop line operations

VFD Adjustable Speed

Conveyor speed (typically 1–5 m/min) is controlled via Variable Frequency Drive (VFD) to adapt to different parts and cleanliness specifications

Seamless Line Integration

Directly connects to upstream/downstream stages (machining, coating, assembly) to achieve fully unmanned automation

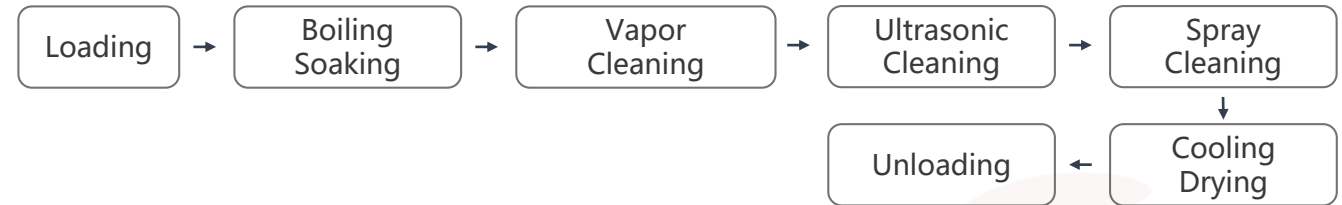
Automatic Vapor Degreaser



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Cleaning Processes:



Features

- Solvent vapor with ultrasonic cavitation combines to deliver deep, dead-zone-free cleaning of complex parts, can penetrate blind holes, deep threads, tiny gaps, capillaries, and micro cavities
- Dual-stage condensing coils and automatic sealing lids establish a tight thermal barrier that drastically eliminates solvent evaporation and loss, After the workpiece leaves the freezing area, the surface solvent is completely cooled and dried. It is fully dry upon exiting the machine
- Built-in continuous distillation and water separator that automatically purifies and recycles solvent for minimal waste
- Equipped with a 5µm precision filtration to continuously maintain solvent purity, extending its lifespan and reducing running costs
- PLC-controlled automation delivers one-touch automated transport and highly repeatable results
- A comprehensive smart sensor network monitors liquid levels, vapor, and temperatures to eliminate dry-running and boil-over risks
- Custom-engineered solutions adapt perfectly to unique parts, processes, and production needs

Application

Removes oil, grease, wax, flux, and particulate matter from precision metal parts, bearings, instruments, optical components, and electronic circuit boards across the aerospace, automotive, medical, and optical sectors



Energy & Eco-friendly



Compact & Space-Saving



Superior Cleanliness



Save Solvent & Safe

Automatic Hydrocarbon / Modified Alcohol Cleaning Machine



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Utilizes eco-friendly hydrocarbon / modified alcohol solvents under vacuum negative pressure with ultrasonic technology for residue-free precision cleaning

Multi-Stage Vacuum Hydrocarbon Cleaning Machine

Composed of 3 or more independent functional tanks in series, utilizing a robotic arm transport mechanism to process parts sequentially through the full cycle of "wash, rinse, and dry."

Typical Working Process (3 Tanks):

Loading → Vacuum Ultrasonic Cleaning + Immersion Jet Cleaning → Vacuum Ultrasonic Rinsing + Immersion Jet Rinsing → Vapor Degreasing + Vacuum Drying → Unloading



- Energy & Eco-Friendly**
- No Emissions**
- Safe & Save Cost**
- Efficient Cleaning**

Single-Station Vacuum Hydrocarbon Cleaning Machine

Executes the entire "wash, rinse, and dry" processes within a single, sealed chamber for highly efficient batch processing, with basket rotation

Process:

Loading → Vacuum Ultrasonic Cleaning / Spray Cleaning → Ultrasonic Rinsing / Spray Rinsing → Vapor Degreasing + Vacuum Drying → Unloading



Tank Capacity: 30L–500L

Cycle Time: 5–30 min/basket

Distillation Recovery Capacity: 100 L/h–400 L/h

Circulating Filtration Accuracy: 0.2–100 μm

Solvent Recovery Rate: ≥ 98%

Operating Vacuum Level: -30 kPa to -85 kPa

Ultimate Vacuum: ≥ -95 kPa

Ultrasonic Frequency: 28/40/80/120kHz

PART **FOUR** .

Cleaning Machines for Special Applications

High-Pressure Spray Cleaning Machine | 18-19

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Electrolytic Ultrasonic Cleaner | 23

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High-Pressure Spray Cleaning Machine



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Rotary Basket Spray Cleaning Machine

Features

- 360° rotating spray cleaning
- Adjustable rotation speed
- Detachable cleaning basket
- Large-capacity heating storage tank
- Equipped with a filtration system
- Optional upgrade with air cutting drying process

Model	Basket Diameter (mm)	Working Height (mm)	Load Capacity (KG)	Rotating Speed (R/MIN)	Storage Tank (L)	Heating Power (KW)	Spraying Pressure (Bar)
JP-0600P	600	350	80	5-10	70	3	3-5
JP-0700P	700	350	80	5-10	85	3	3-5
JP-0800P	800	500	250	5-10	100	6	3-5
JP-0900P	900	500	250	5-10	130	6	3-5
JP-1000P	1000	720	250	5-10	145	6	3-5
JP-1200P	1200	720	300	5-10	160	9	3-5

High-Pressure Spray Cleaning Machine



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Features

- 360° flip spray cleaning
- Microcomputer and touch screen control
- Automatic liquid replenishment with precise metering and addition
- Constant temperature heating
- Built-in filtration function
- Strong compatibility, can replace tooling to adapt to products of different specifications

3 IN 1 Automatic Multifunctional Cleaning Machine

Process

Ultrasonic Cleaning + Spray Cleaning + Drying

(Hot air drying / Vacuum drying / Air cutting)

Model	Tank Size (mm)	Spraying Pressure (Bar)	Ultrasonic Power (W)	Heating Power (W)	Drying Power (W)	Frequency (kHz)
JMB-018PHZ	500*350*300	3	0-900	1500	3000	28/40
JMB-030PHZ	550*450*400	3	0-1500	3000	3000	28/40
JMB-036PHZ	600*500*450	5	0-1800	4500	9000	28/40
JMB-048PHZ	700*500*500	5	0-2400	6000	9000	28/40
JMB-072PHZ	1000*600*600	8	0-3600	9000	12000	28/40
JMB-096PHZ	1200*500*800	8	0-4800	12000	12000	28/40

Heat Exchanger Ultrasonic Cleaner

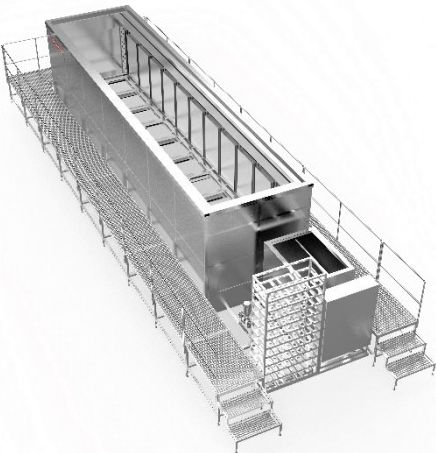


Focus on
Precision Cleaning



Features

- Using pure manual argon arc welding, durable and high-temperature resistant
- Unique memory chip and independent generator control system
- Capacity from 18,354L to 57,500L available, perfect for oversized component cleaning tasks of large industrial heat exchangers
- PLC intelligent control ensures automated, precise cleaning process
- The filtration system is optional, which recycles the cleaning fluid to reduce the frequency of fluid changes
- Equipped with ladders and platforms available, and customizable functions like cranes and more for better operation



JST Series Parameters

Model	Capacity (L)	Tank Size (m)	Ultrasonic Power (KW)	Heating Power (KW)	Frequency (kHz)
JTS-11920	18354	4.2*1.9*2.3	96	135	28/40
JTS-12560	24909	5.7*1.9*2.3	128	180	28/40
JTS-13200	31027	7.1*1.9*2.3	160	225	28/40
JTS-13840	37145	8.5*1.9*2.3	192	270	28/40
JTS-14480	43700	10*1.9*2.3	224	315	28/40
JTS-12560W	24150	4.2*2.5*2.3	128	162	28/40
JTS-13200W	32775	5.7*2.5*2.3	160	189	28/40
JTS-14160W	40825	7.1*2.5*2.3	208	270	28/40
JTS-14800W	48875	8.5*2.5*2.3	240	324	28/40
JTS-15440W	57500	10*2.5*2.3	272	378	28/40

Explosion-Proof Ultrasonic Cleaner



Focus on
Precision Cleaning



**Explosion-proof
Grade**

Ex db IIB T4 Gb

Features

- Compliant with explosion-proof standards, suitable for flammable and explosive solvents, gas, or dust environments
- Adopts explosion-proof motors, explosion-proof circuits and pipelines, and anti-static materials to avoid dangerous situations caused by electric sparks or high temperatures
- Uses explosion-proof electrical cabinets to prevent internal circuits from contacting external hazardous environments
- Equipped with a water chiller and a built-in refrigeration and constant temperature system to control solvent temperature and inhibit volatilization

Cleaning Media

Alcohol, acetone, aviation kerosene, alcohol solvents, alkane solvents, trichloroethylene, hydrocarbons, etc.

Application

Aerospace, pharmaceutical, military industry, petrochemical industry, 3D printing



Applicable

Zone 1 and Zone 2 hazardous gas places
IIA, IIB groups of strong gas or vapor environments

Implementation Standards

GB/T 3836.1-2021 "Explosive Atmospheres Part 1: Equipment - General Requirements"

GB/T 3836.2-2021 "Explosive Atmospheres Part 2: Equipment Protected by Flameproof Enclosure 'd'"

■ Ultrasonic Cleaner with Lifting System



Focus on
Precision Cleaning



Features

- Convenient for draining water
- Reduces labor intensity and improves work safety
- Large load capacity, suitable for taking and placing workpieces in deep tanks or heavy workpieces
- Manually controlled (button/ handle) or automatically controlled (PLC system)
- Drives the cleaning basket to move up and down with the help of a motor, hydraulic, or pneumatic device
- Avoid direct contact with high-temperature or corrosive liquids to reduce the risk of burns or chemical injuries

Application

Engine components, molds, gears, auto parts, etc.



Electrolytic Ultrasonic Cleaner



Single Tank Electrolytic Ultrasonic Cleaner

Ultrasonic Cleaning & Electrolytic Cleaning



Three Tank Electrolytic Ultrasonic Cleaner

#1 Ultrasonic Cleaning & Electrolytic Cleaning
#2 Ultrasonic Rinsing
#3 Soaking in Anti-Rust Liquid

Cleaning Conditions of Mold & Plastic

Material	PA	PBT	LCP	PC	PP	PPS	ABS	POM	FR	ACRYLIC	CR	EPDM	NBR	HNBR	SILANE	THERMOSETTING RESIN
Cleaning Temp	Room temp	Room temp	Room temp	Room temp	Room temp	Room temp	Room temp	50℃	50℃	50℃	50℃	50℃	50℃	50℃	50℃	50℃
Cleaning Time	10min	10min	10min	10min	10min	10min	10min	40min	30min	10min	30min	30min	10min	30min	30min	30min

Features

- Complete complex cleaning work in a short time with dual action of electrolysis and ultrasonic
- Remove various dirt, it can clean thoroughly for products with complex shapes and dead corners
- Special electrolytic cleaning fluids and anti-rust agents are non-corrosive to workpieces and can protect metal surfaces
- Built-in filtration system, extending the replacement cycle of the cleaning fluid
- Easy to operate, various parameters can be easily set on the panel

Application

Carbon deposits, sulfides, gas, mold release agents, oil stains, rust, and other dirt on the surface of various precision molds, modules, mold cores, inserts, and inserts for injection molding, blow molding, stamping, etc.

Model	Tank Size (mm)	Ultrasonic Power (W)	Frequency (kHz)
JTS-1018T	300*480*260	0-1080	40
JTS-1024T	400*500*260	0-1440	40
JTS-1030T	500*600*260	0-1800	40
JTS-1036T	600*650*260	0-2160	40

Special Function Machine



Heated Soak Tank



Ultrasonic Wheel Cleaner



Ultrasonic Golf Club Cleaner



Anilox Roller Ultrasonic Cleaner



Blind Ultrasonic Cleaning Machine

Special Function Machine



Ultrasonic Cleaner with Bubbling System



Ultrasonic Cleaner with Basket Rotary System



Ultrasonic Cleaner with Cooling System

Additional Equipment

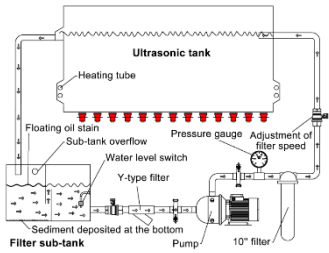


Pure Water Equipment



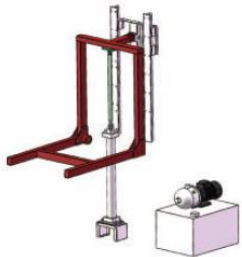
Tunnel Drying Furnace

Additional Function Introduction



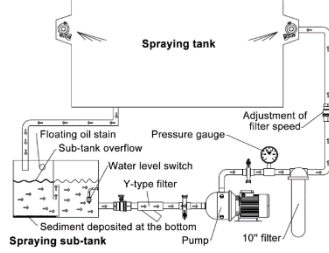
Filtration System

Advanced dual-stage filtration removes both large debris and fine particles, ensuring consistently clean fluid, extended lifespan, and stable, contamination-free cleaning performance



Lifting System

Heavy-duty hydraulic lifting system enables smooth and stable handling of large workpieces, reducing manual effort while improving safety and operational efficiency



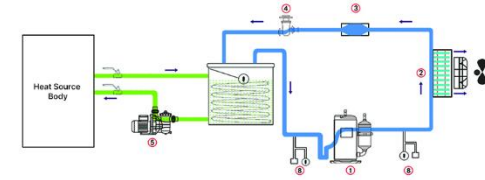
Spraying System

High-pressure spray system effectively removes loosened and residual contaminants, ensuring full surface coverage and delivering precise, high-efficiency cleaning results



Agitation System

Dynamic agitation enhances fluid movement to accelerate contaminant removal, effectively eliminating stubborn residues while ensuring deeper and more uniform cleaning results



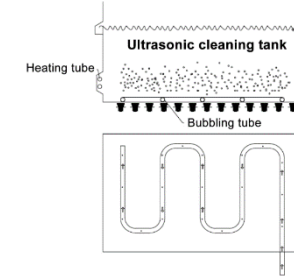
Refrigeration System

Precision cooling system maintains optimal liquid temperature through continuous circulation, reducing evaporation of volatile fluids and ensuring stable, safe cleaning conditions



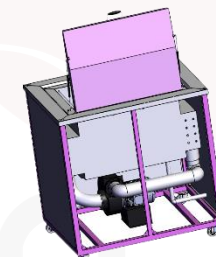
Lift-Out System

Controlled lift-out mechanism minimizes water residue on workpieces, improving drying efficiency, preventing marks, and streamlining post-cleaning handling processes



Bubble System

High-pressure air bubbles create strong turbulence in the tank, accelerating dirt removal and improving cleaning performance, especially for lightweight or delicate components



Hot Air Drying System

Integrated heating and high-speed airflow system delivers efficient hot air circulation drying, rapidly removing surface moisture and reducing oxidation or rust after cleaning



FOCUS ON PRECISION CLEANING

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