

With our service
You will be satisfied



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ULTRASONIC CLEANING

GOOD YOUNG ULTRASONIC CO., LTD.
www.good-young.com.tw

By waves of ultrasound
We fulfill your cleaning need



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Corporate Profile

Good Young Ultrasonic Co., Ltd. was established in 1987 and focuses on the manufacturing of ultrasonic cleaning machinery for years. We are the professional ultrasonic cleaning machinery manufacturer in Taiwan and specialize in various ultrasonic cleaning machineries in the field of general industry, optical industry, heavy industry, medical industry, automotive industry, solar energy industry, textile industry, and electronic industry. With our expertise, we customize and design the machinery that meet customers' various need and offer good service/ technical support.

GOOD YOUNG ULTRASONIC CLEANING



Ultrasonic cleaning machinery application



- ◆ General industry
- ◆ Heavy industry
- ◆ Optical industry
- ◆ Medical industry
- ◆ Automotive industry

- ◆ IC assembling industry
- ◆ Solar energy industry
- ◆ Textile industry
- ◆ Electronic industry



Ultrasonic cleaning operation principle

An ultrasonic cleaner consists of an ultrasound generator along with special transducers mounted on the bottom of a liquid-filled stainless steel bath. The generator and transducer combo create alternating waves of compression and expansion in the liquid at extremely high speeds. Numerous gas bubbles are formed and expand in the liquid during the expansion phase. In the compression phase, the great amount of pressure exerted on the newly expanded bubble leads to a sudden implosion of the bubble.

The liquid molecules collide releasing a vast amount of impact energy that rapidly increases the local temperature producing a high-energy liquid stream that collides with the surface of the object being cleaned. This collision agitates contaminants adhering to the surface, effectively and efficiently dislodging them at micron levels.

Ultrasonic cleaning action also penetrates blind holes, cracks, and recesses. The intention is to thoroughly remove all traces of contamination tightly adhering or embedded onto solid surfaces. Water or other solvents can be used, depending on the type of contamination and the work piece.

UG Series Ultrasonic Generator

● Features:

All electronic components used in Good Young's ultrasonic generator are passed the most critical testing standard and carefully calibrated by our professional staffs. Because of the high standard craftsmanship, our machine is stable for a long hour cleaning operation. It is protected by overcurrent protection and overheating protection devices. Moreover, auto Sweep function and frequency/ pressure adjustment are embedded to stabilize the transducers' working condition.

● Applications:

- ◆ Electronic Industry
- ◆ Heavy Industry
- ◆ General Industry
- ◆ Optical Industry



System/Model	UG-1028	UG-1040	UG-1080	UG-1120
Frequency	28KHZ	40KHZ	80KHZ	120KHZ
Output	300W~1500W		1600W~3000W	
Size	310x375x150mm (L x W x H)		310x415x190mm (L x W x H)	

● Size/ specification all can be modified upon customer's request. Photos and technical details above are for reference only.

● Examples

UG-1040



IT Series Immersion Type Ultrasonic Transducers

● Features:

Use imported stainless steel for machine body, which has good resistance to acid and alkali Transducers size/ piping can be customized upon the customer's request to fit the machine tank.

- ◆ Base Vibration
- ◆ Side Vibration
- ◆ Top Vibration

Outer plate material choice:

- ◆ Metal (Stainless steel/ Titanium)
- ◆ Plastic (PP/ PVDF)

Easy to use and low cost for maintenance

System/Model	IT-300	IT-600	IT-900	IT-1200
Max Output	300W	600W	900W	1200W
Size	150x200x100mm (L x W x H)	250x400x100mm (L x W x H)	350x450x100mm (L x W x H)	400x500x100mm (L x W x H)
Material	1.Steel plate 2. Plastic plate			

● Size/ specification all can be modified upon customer's request. Photos and technical details above are for reference only.

● Transducer by different plate materials:

- Stainless Steel plate



- Titanium plate



- P.P plate



- Rod type transducers



MS Series Manual Single Tank Cleaning Machine

Features:

- ◆ Use imported stainless steel for machine body/ tank
- ◆ Extra-thickened inner tank and good resistant to acid and alkali
- ◆ All In One (AIO) design and good for space saving
- ◆ Big saving in operation time and labor comparing with traditional cleaning method
- ◆ Easy to control
- ◆ Excellent cleaning result
- ◆ Timer function
- ◆ Optional: Thermometer

Applications:

This series of cleaning machine are applied to various industries.

- ◆ Electronic Industry
- ◆ Heavy Industry
- ◆ General Industry
- ◆ Optical Industry
- ◆ textile industry



System/Model	MS-300	MS-600	MS-900	MS-1200
Max Output	300W	600W	900W	1200W
Power Supply	220V x 2A	220V x 3A	220V x 4A	220V x 5A
Tank Size	300x200x300mm (L x W x H)	400x300x300mm (L x W x H)	450x400x300mm (L x W x H)	550x400x350mm (L x W x H)
Capacity	15L	29L	44L	62L
Material	<ul style="list-style-type: none"> ● All the enclosure of the machine are SUS304 stainless steel ● The material of the inner plate can be modified upon customer's request 			
<ul style="list-style-type: none"> ● Size/ specification all can be modified upon customer's request. Photos and technical details above are for reference only. 				

Standard Type:

MS-300



Single tank cleaning machine For medical tooling



Single tank with PVDF plate



Manual Single Tank Cleaning Machine (textile industry)



● palm tread



Manual Single Tank Cleaning Machine (textile industry)



● steel buckle



Manual Single Tank Cleaning Machine (heavy industry)



● strip nail



AS Series Automatic Single Tank Cleaning Machine

Features:

- ◆ Easy to customize upon customer's request
 - Size
 - Specification
 - Machine layout

System/Model	AS-1200	AS-2600 X 2
Output	1200W	2600W
Power Supply	380V	220V
Machine Size	1260x500x3890mm (L x W x H)	1240x1450x2150mm (L x W x H)
Frequency	40KHZ	28/40 KHZ (Dual Frequency)
Material	●All the enclosure of the machine are SUS304 stainless steel	

●Size/ specification all can be modified upon customer's request.
Photos and technical details above are for reference only.

AS-1200

Optical industry



- camera lens



AS-2600 X 2

Electronic industry



- magazine



Customized Automatic Single Tank Cleaning Machine With shaking robot arm

Electronic industry



- crystal oscillator



MM Series Manual Multiple Tank Cleaning Machine

Features:

- ◆ Easy to customize upon customer's request
 - Size
 - Specification
 - Machine layout

System/Model	MM-600C	MM-1000EX2	MM-750F	MM-4000HX2
Output	600W	1000W	750W	400W
Power Supply	220V	220V	220V	220V
Tank Number	3	5	6	8
Machine Size	2410x600x1240mm (L x W x H)	2410x810x880mm (L x W x H)	2600x1160x2100mm (L x W x H)	3180x1950x1460mm (L x W x H)
Frequency	40KHZ	28/40 KHZ (Dual Frequency)	40KHZ	28/40 KHZ (Dual Frequency)
Material	●All the enclosure of the machine are SUS304 stainless steel			

●Size/ specification all can be modified upon customer's request.
Photos and technical details above are for reference only.

MM-600C

Electronic industry Solvent cleaning for oil removal



- Aluminum LED Heat sink



MM-1000EX2

Medical industry



- artificial joint



MM-750F

Optical industry



- optical lens



MM-4000HX2

Heavy industry

- electro-plated parts



MM Series Manual Multiple Tank Cleaning Machine

Features:

- ◆ Easy to customize upon customer's request
 - Size
 - Specification
 - Machine layout

System/Model	MM-200I	MM-600M	MM-900JX2
Output	200W	600W	900W
Power Supply	220V	220V	380V
Tank Number	9	13	10
Machine Size	140x130x140mm (L x W x H)	5960x1240x1950mm (L x W x H)	4470x730x900mm (L x W x H)
Frequency	40KHZ	40 KHZ	28/40 KHZ (Dual Frequency)
Material	● All the enclosure of the machine are SUS304 stainless steel		

● Size/ specification all can be modified upon customer's request.
Photos and technical details above are for reference only.

MM-200I Optical industry



MM-600M Optical industry



MM-900JX2 Optical industry



AM Series Automatic Multiple Tank Cleaning Machine

Features:

- ◆ Easy to customize upon customer's request
 - Size
 - Specification
 - Machine layout

System/Model	AM-1800D	AM-2800DX2	AM-1300EX2
Output	1800W	2800W	1300W
Power Supply	220V	220V	220V
Tank Number	4	4	5
Machine Size	7240x1550x2480mm (L x W x H)	3880x3180x2325mm (L x W x H)	400x520x400mm (L x W x H)
Frequency	28KHZ	28/40 KHZ (Dual Frequency)	28/40 KHZ (Dual Frequency)
Material	● All the enclosure of the machine are SUS304 stainless steel		

● Size/ specification all can be modified upon customer's request.
Photos and technical details above are for reference only.

AM-1800D Electronic industry



AM-2800DX2 Solar energy industry



AM-1300EX2 Electronic industry

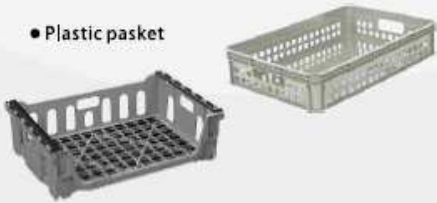


Other cleaning machine

- **Automatic basket washing machine**
(Supermarket & Logistics Company application)



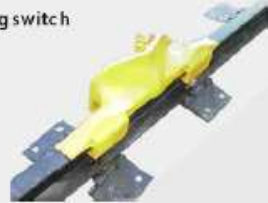
● Plastic basket



- **Automatic high pressure washing machine**
(MRT & Subway derailing switch cleaning)



● derailing switch



- **Manual high pressure washing machine** (Bearing manufacturing factory)



● Bearing



- **Oxygen cylinders washing machine (China Airlines)**

CHINA AIRLINES



- Oxygen cylinders



- **Automatic aluminum steering wheel cleaning machine**
(LIOHO MACHINE WORKS, LTD. Taiwan)



- Aluminum steering wheel



Other products/Accessories/Measurement/Jig/Chiller

● Ultrasonic sound pressure host

- ◆ Function:
Measure the ultrasonic sound pressure volume

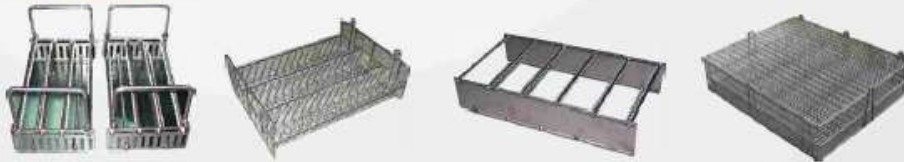


● Ultrasonic sound pressure sensor



Measurement frequency	1~300KHz (MUE18T) 1~2000KHz (MUE18THF)
Measurement range	0~10mV · 50mV · 100mV · 500mV
Sound pressure sensor range	12mV ± 1mV (28KHz/ 1200W) plastic tank
Monitoring functions	0~100% adjustment setting (ALARM SET)
Analog signals	1.2V ± 0.1V (Capable for Oscilloscopes devices support)
DC signal	2.0~2.3V (Capable for external recorder support)
Power supply type	110V or 220V 50/60Hz
Instrument size	23 x 16 x 9cm (L x W x T)

● Jig & holder



● Color tinting stove

Size	20 x 630 x 280 m/m (L x W x H)
Features	With eight steel cups, 10 big and small dyeing forceps, and 5 pcs ceramic tile
Materials	Cover plate: SUS#-304
Power Supply	220V

- ◆ Suitable plastic surface for color tinting treatment
PC plastic lens · CR39 lens



● Solvent recycling system



● Tabletop ultrasonic cleaner

- ◆ Rotary knob type ultrasonic cleaner
Features:
1. Time control 1~30 minutes
2. Key touch switch operation is simple
- ◆ LCD panel type ultrasonic cleaner
Features:
1. Time control 1~99 minutes
2. Temperature control : Room temp. ~99°C
3. Key touch switch operation is simple
- ◆ Applications: Applied to necklace, earrings, jewelry, watches, and others



Inner Size	295 x 150 x 100mm (WxLxH)
Outer Size	320 x 175 x 240mm (WxLxH)
Volume	4.5L
Tank material	Stainless steel SUS#-304
Shell material	Aluminum alloy(Powder coating)
Cover material	Stainless steel SUS#-304
Basket Material	Stainless steel SUS#-304
Frequency	46KHz/40KHz/120KHz
Output	150W
Heater	200W
Power supply	110V/220V · 50/60Hz
Net weight	4.5Kg

● Water cooled chiller

- ◆ Our chiller is complement with Solvent recycle system
- ◆ Must connect with cooling tower



● Hot air circulation oven for clean room



Model	Hot air circulation oven for clean room
Inner Size	1300mmx1250mmx400mm(WxLxH)
Outer Size	1450mmx1480mmx1800mm(WxLxH)
Features	1) Timer 2) Independent EGO thermostat 3) HEPA stainless steel filter
Materials	Inner Plate: SUS#-304 Outer Plate: SUS#-430
Temperature Range	Min: Room temp. plus 5°C Max: 150°C
Electrical Specifications	Stainless steel electric heating pipe: 380V (1KW x 9 pcs)
Power Supply	380V

● Air cooled chiller

- ◆ Our chiller is complement with Solvent recycle system
- ◆ For facility with no cooling tower

