

Standard Accessories

U600 TYPE-1



Main unit

- ① Washing cage (mesh type)
- ② Hose for bleeding off the cleaning liquid
- ③ Rubber gloves
- ④ pH-test paper
- ⑤ Pump for cleaning liquid
- ⑥ Protective mask
- ⑦ Protective glasses
- ⑧ Barrier filter

U600 TYPE-2



Main unit

- ① Washing cage (mesh type)
- ② Hose for bleeding off the cleaning liquid
- ③ Rubber gloves
- ④ pH-test paper
- ⑤ Pump for cleaning liquid
- ⑥ Protective mask
- ⑦ Protective glasses

U300



Main unit

- ① Washing cage (mesh type)
- ② Hose for bleeding off the cleaning liquid
- ③ Rubber gloves
- ④ pH-test paper
- ⑤ Pump for cleaning liquid
- ⑥ Protective mask
- ⑦ Protective glasses

Specifications	WC-U600 TYPE- I	WC-U600 TYPE- II	WC-U300
Outside dimensions	W1100 X D665 X H735mm	W750 X D760 X H650mm	W570 X D585 X H700mm
Weight	Approx. 138 kg (main unit only)	Approx. 85kg (main unit only)	Approx. 75kg (main unit only)
Tank dimensions	W450 X D350 X H250mm	W450 X D350 X H250mm	W300 X D300 X H200mm
Cage dimensions	W440 X D340 X H200mm	W440 X D340 X H200mm	W280 X D280 X H150mm
Max. liquid amount	52 liters	36 liters	18 liters
Power consumption	3.75kW	3.65kW	2.65kW
Supersonic wave output	0 to 600 W (variable with potentiometer)	0 to 600 W (variable with potentiometer)	0 to 300 W (variable with potentiometer)
Oscillation frequency	28kHz	28kHz	28kHz
Power requirement	3-phase 200V AC	3-phase 200V AC	3-phase 200V AC

●Part of the specifications and the exterior appearance are subject to change without notice for improving the product.

We can manufacture a mold washer to order.

Upon confirming the customers requirements, we will manufacture an ultrasonic mold washing machine to order. We will propose an optimum design, including the number and output of wave oscillators, as well as the size of the washing vessel and the main body in accordance with the sizes and shapes of your molds. Please feel free contact us.

■ Guide for washing vessel dimensions and supersonic wave output

Size of Washing Tank	Recommended supersonic wave output
450X350mm	600W
460X360~500X400mm	1200W
510X410~600X450mm	1200W

Depth of Washing Tank 250mm

▲ Safety Precaution

Operations and maintenance inspection of the product must be done only by those who have full knowledge of supersonic wave washers.

Wave Liquid

SP-18 Cleaning Liquid

Applications

- Mold deposits(MD)
Polycetal(POM)
Polycarbonate
Elastomer
and others
- Gas burn
- Greasy Spot
- Rust



SP-18 conforms to the various green eco-friendly measures!
SP-18 can be used with any cleaning machine that is resistant to strong alkalis.

Content 18Liters

CCL Antirust

Applications

- Rust prevention
after washing



This is an ionized alkaline water.
It is possible to use by bare-handed.

Content 18Liters

※ The cleaning liquids show strong the strong alkaline properties (pH12.5 to 14). Execute the waste liquid treatment according to the local stipulations in the area where the equipment is used.

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Agent

U600 TYPE-1



FULL SPEC

U600 TYPE-2



BASIC

**Removing
Mold Deposit(MD)!!**

**Polyacetal (POM)!!
Polycarbonate!!
and Elastomer!!**



COMPACT

U300

WAVE CLEAN

Heater Supersonic Wave

Controlling the cleaning liquid at the optimum temperature!
 Removing the resin coating with the synergetic effect of supersonic waves and the heater!

U600 TYPE-1

Full-Spec Model

Complete cleaning machine, TYPE-1, equipped with an overflow tank for preventing re-adhesion of stains, a filter for maintaining cleaning liquid in the best condition, and a drain tray, information timer, controllable heater, and circulation pump. Besides, pipes requiring maintenance are arranged on the front of the machine. Try the advanced performances of the TYPE-1.

TYPE-1 Special Specifications

- Overflow Tank
- Barrier Filter
- Drain Tray
- Front Pipe Layout
- Information Timer

Supersonic Wave **600W** Liquid Amount **52** liters

Wide-type Cleaning Cage
 W440 x D340 x H200 mm



U600 TYPE-2

Basic Model

The "Type-2" model is a simple-design washer with selected functions. It features the circulating pump, heater with controls, and a digital timer with a simple design, thus enabling comfortable and simple cleaning work.

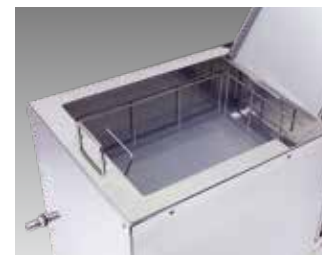


Supersonic Wave **600W** Liquid Amount **36** liters

Wide-type Cleaning Cage
 W440 x D340 x H200 mm

Wide Washing Tank with Compact Body

Wide-type cleaning cage



U300

Compact Model

The model "U300" is a compact model that ensures efficient cleaning with a small amount of cleaning liquid, featuring the washing tank size that is suited to small molds. The maximum liquid amount required for cleaning is mere 18 liters. The model will contribute to help make the running cost lower.



Supersonic Wave **300W** Liquid Amount **18** liters

Compact-type Cleaning Cage
 W280 x D280 x H150 mm

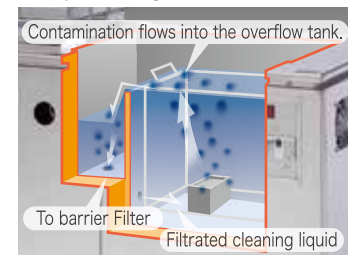
Max. liquid amount of 18 liters

Best cage size for micro-machined molds



Overflow Tank

Contamination removed from the mold rises to the liquid surface and then flow into the overflow tank, thus preventing re-contamination.



Barrier Filter

The filter removes contamination of the cleaning liquid to maintain purity, thus keeping the liquid in the optimum condition.



Drain Tray

The tank cover opens & closes by 180°. The back of the cover serves as a drain tray. Cleaning liquid flows into the tank, ensuring safety.



Easy Maintenance

The pipes are arranged on the front of the machine. The valves, filters, etc., are accessible without the need to move the machine or go behind it.



Strengthened basic performance ensured for all models!

Five functions that support comfortable cleaning are featured for all models

Types and Specifications

	U600 TYPE-1	U600 TYPE-2	U300
Overflow Tank	●	●	●
Barriers Filter	●	●	●
Drain Tray	●	●	●
Front Pipe Layout	●	●	●
Information Timer	●	●	●
Circulating Pump	●	●	●
Heater with Controls	●	●	●
Liquid Shortage Sensor	●	●	●
Digital Control Timer	●	●	●
High Performance Vibrator	600W	600W	300W
Compact Design	●	●	●

Heater with Controls

The heater will raise the cleaning liquid temperature in the tank to enhance the cleaning effect. The temperature is adjustable in the range from 0 to 70 °C by digital control.



Liquid Shortage Sensor

The sensor detects the absence of cleaning liquid and shuts down the system automatically. You do not have to worry about heating without liquid during the unattended cleaning process.



Digital Control Timer

The cleaning process time is controlled by the digital control timer, thus enhancing the efficiency of cleaning.



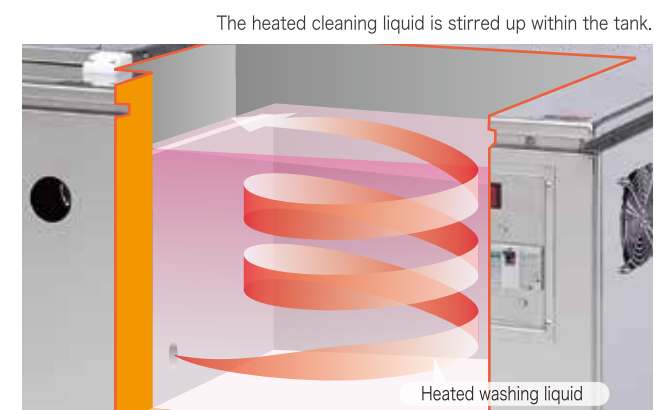
High Performance Vibrator

The high-performance vibrator with the oscillation frequency of 28 kHz clean mold from every hole and corner. The output is adjustable in the range from 0 to 600W (300W, max. for U300) according to mold size.



Circulating Pump

The use of a heater will generate a temperature difference at the upper and the lower part of the liquid in the washing tank. The Wave Clean washer stirs up the cleaning liquid evenly with the circulating pump. The reflux flow of the liquid prevents generation of uneven temperatures in the washing tank. As a result, the mold can be cleaned without unevenness and in every hole and corner.



Comparative temperature rise distribution graph

