

# Ultra Sonic Washing Machine



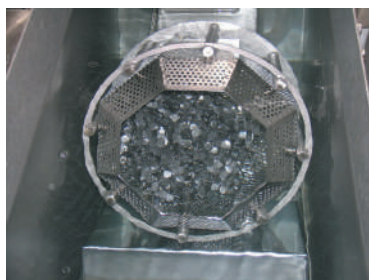
A water-based washing machine ideal for preceding and following of barrel finishing process.

## Washing machine that a barrel finishing manufacturer comes up with.

### Benefit

- Uniform washing by agitating a large amount of workpieces.
- Even a complicated shape can be washed.
- Short washing time.
- Applicable to washing method that suites the washing purpose.
- Safe with non-usage of hydrocarbon-based cleaning agent.
- Easy layout with dehydrator and drier.
- Easy operation in automatic mode.
- Easy take out by a diagonal angled drum.

### Structure and Principle



During washing

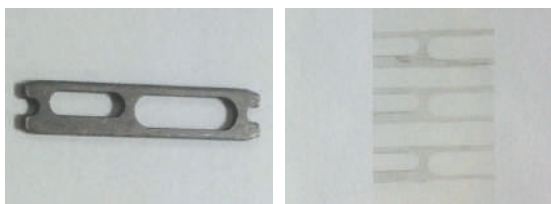
The Ultra sonic washing machine removes dirt in synergistic effect with cavitation effect, acceleration and straight flow. First, the impact of cavitation is used to remove dirt from the workpieces. Then, removed dirt is pulled away by acceleration and the dirt is dispersed in a straight flow.

#### Cavitation Effect

Cavitation effect is an effect that utilizes the shock waves caused by the collapse of vacuum bubbles generated in a liquid by ultrasound waves.

### Washing Example (State change before and after washing)

Before washing



After washing



### Application

- Before Barrel Finishing  
Decrease cleansing
- After Barrel Finishing  
Washing the abrasive powder of workpieces  
Washing the abrasion powder of abrasive media  
Washing the chemical compound residues

### Option

Applicable to be combined with a filter, degassing device and pure water production system etc. according to the application.

### Specifications

|    | Width<br>mm | Depth<br>mm | Overall<br>Height<br>mm | Weight<br>kg | Mesh Bucket<br>Size<br>mm | Mesh<br>Bucket<br>Capacity<br>ℓ | Effective<br>Processing<br>Capacity<br>ℓ | Limit<br>Amount<br>kg | Main Tank<br>Capacity<br>ℓ | Sub Tank<br>Capacity<br>ℓ | Ultrasonic<br>Oscillator<br>Output<br>W | Apparent<br>Power<br>KVA |
|----|-------------|-------------|-------------------------|--------------|---------------------------|---------------------------------|------------------------------------------|-----------------------|----------------------------|---------------------------|-----------------------------------------|--------------------------|
| WM | 950         | 1950        | 1500                    | 800          | 300×300×260               | 17                              | 6.8                                      | 13                    | 170                        | 50                        | 600                                     | 10                       |

\*The specifications of machines may be changed for improvement without prior notice.



Head Office 3-19-21 Toyoda, Minami-Ku, Nagoya, Aichi Prefecture 457-8566 Japan  
Tel: +81-52-692-6666 Fax: +81-52-692-9445  
Headquarter-Sales 3-19-21 Toyoda, Minami-Ku, Nagoya, Aichi Prefecture 457-8566 Japan  
Tel: +81-52-692-7175 Fax: +81-52-692-0249  
Tobishima Factory 3-25-1 Odakara, Tobishima-Mura, Ama-Gun, Aichi Prefecture 490-1438 Japan  
Tel: +81-567-56-7500 Fax: +81-567-56-7513  
Tipton USA Inc. 2450 W Broadway Rd. Suite 108, Mesa, AZ 85202, USA  
Tel: +1-480-795-2647  
Quality Assurance Section for Product Quality Tel: +81-567-56-7503 Fax: +81-567-56-7516  
Engineering Section for Machine Maintenance Tel: +81-567-56-7504 Fax: +81-567-56-7514  
Web Site <https://www.tipton.co.jp>  
E-mail [sales-department@tipton.co.jp](mailto:sales-department@tipton.co.jp)  
[sales-department@tiptonusa.com](mailto:sales-department@tiptonusa.com) (North America)

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