



Fastening solution.

Toward a new future of manufacturing technology.

NITTO SEIKO

Products News

Simple type Micro-bubble Parts Washer

Advanced technology with low cost and safety

◆ Safety

Without using chemical compounds including organic solvents, acids, alkalis, and surfactants, the washer removes oils and contaminants with micro bubbles made of water and air. Achieving operator- and environment-friendly cleaning, the washer is suitable specifically for degreasing.

◆ Low Running Cost

As making of cleaning liquid requires only tap water and air, there is no need to purchase and keep dedicated detergents or solvents.

◆ Easy Operation

Simple design dedicated to cleaning Easy one-push operation allows our unique micro-bubble shower nozzle to spray concentrated micro-bubble cleaning liquid.

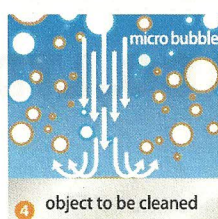
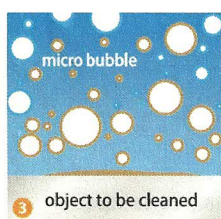
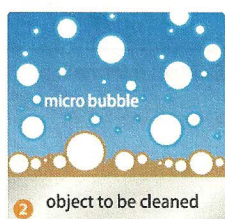
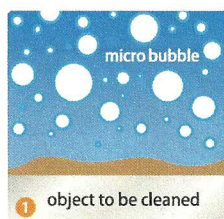
◆ Easy Maintenance

The washer cover can be easily removed with one hand. Being capable of sliding in and out, the cleaning liquid flush tank ensures easy maintenance including regular cleaning work.

◆ Available for customizing to meet requirement

We offer the cleaning system perfect for you by tailoring the basic product package to your needs. (Options: dryer, oil/water separator, rotary barrel unit, work-piece oscillation units, etc.)

◆ Cleaning Mechanism



1. Spray micro-bubble cleaning liquid to the contaminated object to be cleaned.
2. Micro bubbles come into contact with contaminants, being adsorbed on to them.
3. The micro-bubbles with contaminants are released from the object to be cleaned.
4. Impact of water currents also physically enhances cleaning effect.



NITTO SEIKO

◆ Main Specifications

Name	Simple type Micro-bubble Parts Washer
Equipment dimensions	W 720 × D 710 × H 1,275 (Excluding protrusion)
Cleaning sink dimensions	W 633 × D 563 × H 219
Tank capacity	Approx. 37 L
Shower nozzle	2 pieces (Micro-bubble shower nozzle)
Volume of sprayed water	Approx. 20 L/min
Liquid pressure	Approx. 0.4 MPa
Temperature of cleaning liquid	Temperature rise up to 40 degrees C available
Pump capacity	0.75 kW
Heater capacity	2 kW
Filter	Cartridge filter (Filtration diameter of accessory: 100 μm)
Option	<ul style="list-style-type: none"> • Drainers and dryers • Oil/water separators • Rotary barrel unit (Max weight of work-piece: about 1 kg *Standard specification)
Weight	Approx. 100 kg (Dry state)
Power source specification	3φ, 200 VAC, 50/60 Hz, approx. 4 kW

◆ Image

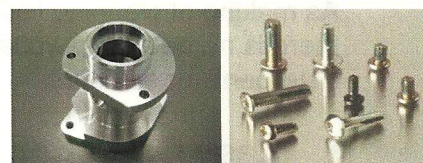


Scene of spraying shower of micro bubbles

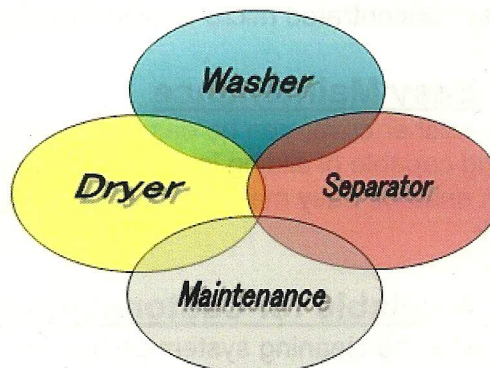
* A shower of micro bubbles is sprayed into a rotating barrel (metal basket). Cloudy fluid on the background is micro-bubble cleaning water liquid.

◆ Application

- Precision parts
- Cold forged parts
- Degreasing of springs, washers, etc



TOTAL SUPPORT SYSTEM



■ Demonstration and trial washing are available at our factory. Please experience cleaning effects.

▼ The contents of discription are subject to change without notice

Ver.1.0

NITTO SEIKO CO.,LTD.

Control Systems Division

URL <http://www.nittoseiko.co.jp/>

☐ Head Office TEL +81-(0)773-43-1412 FAX +81-(0)773-43-1595
☐ Thailand TEL +66-(0)2-902-2121 FAX +66-(0)2-902-0977

Contact information