KATAOKA

Beagle-Series

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Fine Machine offers both high washing performance and environmental features that meet standards for the 21st century.

- Level conveyor minimizes the load on the product
- High washing efficiency and no risk of contamination after washing
- Beagle system offers high washing efficiency with high watt density

Basic system in Beagle-Series

Washing flow in Beagle-Series

1 Ultrasonic washing (Tank No.1)

2 Ultrasonic rinse (Tank No.2)

3 Shower rinse & Air blowing

4 Hot Air drying

The Beagle-Series offers the following basic processes: ultrasonic washing, ultrasonic rinse, shower rinse, air blowing and hot air drying. This module based system allows the customer to select from the following units to meet the application requirements. This washing machine offers limitless possibilities for customizing a system and can be incorporated on a production line while also meeting future needs.

# Setup can be customized to meet the application requirements

○ Unit system (Module based system)

Base **+** Shower washing unit **+** Ultrasonic washing unit **+** Dryer unit **+** Other unit

Shower washing unit

**Shower washing system can be customized to the application**

Thanks to our expertise as a washing machine manufacturer, we can offer special, unique washing features. Kataoka provides various washing system products featuring high washing performance nozzles.

Fixed nozzle shower   Movable nozzle shower

3D rotating shower
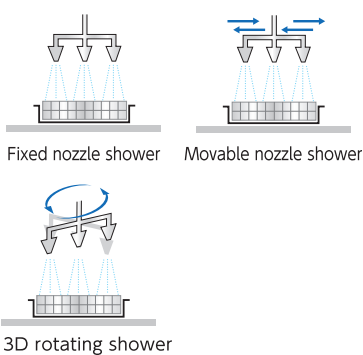
Ultrasonic washing unit

**Ultrasonic washing system offers tremendous washing performance**

Kataoka offers various ultrasonic washing machines to meet your application requirements.
This special and unique washing system is only offered by none but a washing machine manufacturer like kataoka.

Basic type   Turn basket type

Facing ultrasonic type   Buffer tank type
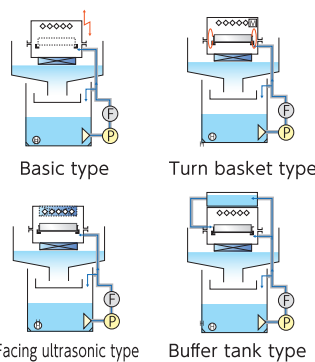
Drying unit

Various drying systems available to meet your application and speed requirements

Kataoka provides drying systems tailored to the customers' products and application requirements. We recommend the best drying unit by considering the balance with the washing method used.

Air blowing system   Blower drying

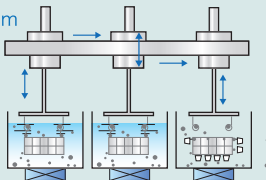Suction drying system   Vacuum drying system
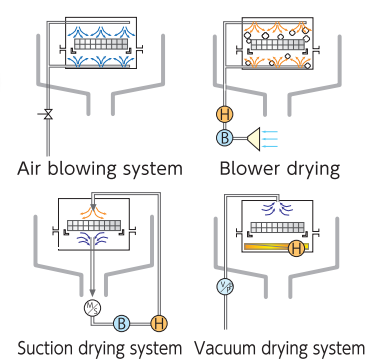
BL-3000-4W

BL-DW

Beagle-Series core system redefines the concept of ultrasonic washing machines

Level conveying system
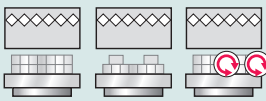### (Fine Through)

○Conventional system

Conventional machines offer vertical and horizontal motion.
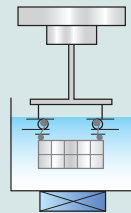
○Beagle system
(Level conveying system)

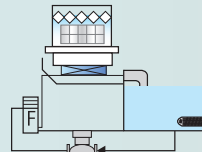The Beagle system is a simple, level system.

The conveying system is level all the way from loading to unloading and offer a process flow that minimizes the load on the product. In addition, this system can be made fully automatic using pallets, drums or wire net cage.

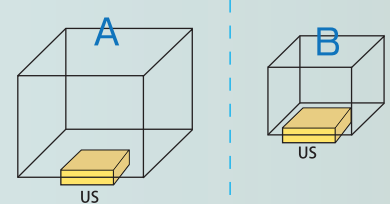## QDR system
(Quick dump rinse)

A.Conventional system

B.QDR system (Quick dump rinse)

Our QDR system changes out the washing solution every cycle, thereby eliminating the risk of contamination after washing.
Of course, the system also prevents sediment or waste buildup.

High watt density Beagle sysem

$$KW／A ＜ KW／B$$

Watt density refers to the density of the workload that covers a specified range. Therefore, the higher the value, the more effective it is. The Beagle system divides the washing tank into upper and lower sections, which minimizes the volume. This makes the watt density higher than conventional systems, thereby making the washing much more effective.

■ Dimensional drawing (BL-3000-4W)
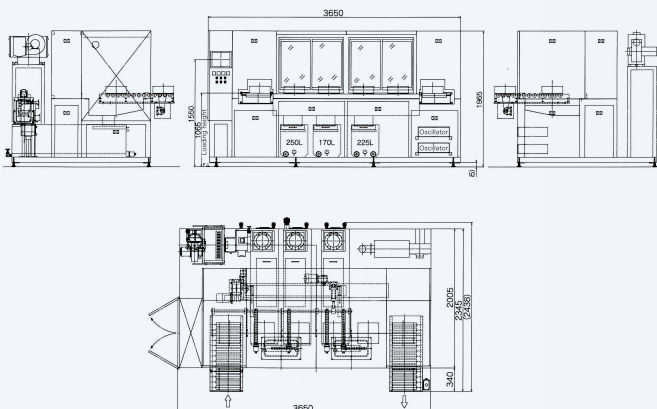
■ Machine specifications

Body material	Stainless steel (For liquid contact)
Washing method	Ultrasonic cleaning, shower rinse
Air blowing method	Fixed nozzle
Washing pressure	0.4 MPa (Variable pressure optional)
Pallet size	W 300 × L 300 × H 150 mm
Approx. machine dimension	W 2,438 × L 3,650 × H 1,965 mm
Power supply	3-phase, AC 200 V, 50/60 Hz
Ultrasonic washing	25 kHz, 500 W (40 kHz, 750 W)
Ultrasonic rinse	40 kHz, 750 W (80 kHz, 750 W)
Liquid heating	Plug-type electrical heater 10 kW×4
Exhaust system	Steam Mist Collector SC-200, 0.2 kW
Filter	SUS wire netting type 250 μ + Bag filter 50 μ
Oil catcher	Stainless Belt type OS-50, 25 W
Hot air heater	Electrical heater 10 kW

*The appearance and specifications are subject to change without previous notice in order to improve performance.