Yamato has been at the leading edge of weighing technology for almost 90 years. “Dataweigh Omega”™ series utilizes groundbreaking multihead weighing technology.  

**IMPROVING PRODUCTIVITY**

200 wpm High speed

*The above speed is for 14-hour double shift operation.

**EASY OPERATION**

Auto-tuning for optimum control

**FOOD SAFETY**

Easy to clean IP67 Best Sanitation Structure Waterproof

**EASY MAINTENANCE**

Quick recovery and minimum downtime

**ENVIRONMENTAL RESPONSIBILITY**

60% less Reduced power consumption
“Dataweigh Omega”™ Series introduces innovative technology that is first in the world. This completely new multihead weigher provides customers with great benefits for productivity, operation, maintenance, food safety and environmental responsibility.

**Increased productivity**

**Higher output and yield**
- High-natural-frequency load cells minimize vibration impacts.
- Lattice digital filters reduce the influence of external vibrations and ensure higher weighing accuracy.
- Dual cell system eliminate low frequency vibrations.
- Toggle-less gating mechanisms reduce mechanical impacts on load cells and suppress bucket gating noise.
- Individually adjustable collating chute angles maximize product discharge speed.
- Auto-tuning and Yamato AFC (automatic feeding control) ensure continuous optimum product flow.

**Ease of maintenance**

**Improved design**
- Improved design ensures easy replacement of actuators and feeders.
- No tools are needed to remove buckets and linear feeder pans.
- Enhanced protection of load cells can withstand up to 150 kg.

**Improved troubleshooting**
- Simple screen diagnostics allow quick identification of problem areas.
- Part replacement time indicators prevent possible failures.

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**Food safety**

**Best sanitation structure**
- Simplified fully stainless steel streamlined design.
- Seamless YDB bucket* design leaves no spaces for dust or bacterial growth.
*Yamato Diffusion Bonding (YDB) buckets are used in specific models.

**Easy to clean**
- Compliant with IP67.
- Polygon-shaped bucket facilitates cleaning.

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**Environmental responsibility**

**Feedback control of feeders**
- Feedback control of feeders can achieve up to 60% power consumption reduction.*

**Wider product windows**
- Wider product windows reduce sealing errors and contribute to reducing packaging waste.
*Compared to a conventional model
Advanced Interactive Command Console Plus (RCU-1000)

This powerful new interactive command console provides easy access to all operational functions.

### Optional Features

- Counting Software
- Priority head
- Mixing Software
- Multi-point Discharge
- Product Inspection Camera*  
  *CCD camera for real-time product monitoring on top cone and linear feeder pans

### Network Remote Control and Data Acquisition

Network connection capabilities (optional)
- PC remote control by LAN
- OPC & COM interface for data accumulation
- Feedback control between checkweigher and multihead weigher
- Troubleshooting and FAQs available in AICC+ support section of Yamato website

### “Dataweigh Omega”™ series models

<table>
<thead>
<tr>
<th>Model</th>
<th>Weigh Heads</th>
<th>Max. weighing range (g)</th>
<th>Max. weighing range (g)</th>
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Maximizing packaging performance

Benefits of "Dataweigh Omega™ Frontier"

Maximize production output
- Increase productivity through high-speed multipoint discharge
- Minimize production waste through wider product window
- Small footprint

Increase packaging versatility
- VFFS (duplex, triplex, 4-tube, 6-tube) versatility
- Applicable to multi-point horizontal packaging machines and multi-lane tray lines

Contribute to environmental protection
- Reduce packaging waste and weight
- Lower total cost of ownership

Providing various discharge patterns
"Dataweigh Omega™ Frontier series offers various types of discharge patterns

Expanding packaging flexibility
Independent Discharge Channels
Changing from a standard single chute structure to a dual chute structure provides wider product discharge windows in high-speed operation.

Bottom Based Handling Device (BBHD)
The bottom based handling system temporarily retains the product that has dropped to the discharge chutes and on release ensures that no product is within the seal zone of the bag-maker. This reduces product waste and allows the use of thinner packaging film with ensuring sufficiently sealing time.

Simultaneous combination
High accuracy and output are realized. Less loss means a fast return-on-investment.

Multi-point Discharge
Yamato Multi-head weighers with 1 to 6 discharge gates can fill tray lines, cup lines, HFFS, VFFS, rotary packing machines and other similar packaging applications. Multi-point discharge allows increased production.

Divided Weigher
Divided weigher is comprised of completely independent discharge channels divided from one weigher, allowing weighing with higher speed and accuracy. Wider product windows with BBHD maximize multi-head weigher performance in high-speed small bag lines.

“Dataweigh Omega”™ Frontier series models

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About Yamato & Dataweigh™

Yamato Scale Co., Ltd. was founded in 1922 and has always been a leading manufacturer in the world of weighing machinery. In 1979, the first Dataweigh ADW-110 was developed. Since then, we have introduced many groundbreaking technologies, creating today’s high-speed and highly accurate multihead weigher ‘Dataweigh Series’, which is used throughout the world. Our headquarters are in Akashi, Japan, and we have regional offices in the U.S.A., Canada, Germany, Netherlands, U.K., France, Russia, China and India. We also have a joint-venture in Korea and cover more than 70 countries with our representatives. Our highly experienced sales and service network provides customers around the world a high level of expertise and service.

Worldwide Sales & Service Network

Yamato is the only manufacturer of multihead weighers with wholly owned operations in America, Europe and Asia.

Spare Parts & Service

Yamato Spare Parts and Service are subject to the same high demands of quality as the machines themselves.

Speed, weight and volume listed are standard. Other ranges are also available when required, please contact Yamato.

This machine is covered by number of patents worldwide.

All illustrations and specifications are subject to change without notice.

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