

Yamato



Dataweigh™ *α* Advance™

DATAWEIGH ALPHA ADVANCE

INNOVATION IN MOTION



Smart, Tough and Accurate

The new Alpha Advance series has raised the bar for industry standards. Operation has progressed to a more simple design, yet it is strong enough to withstand heavier loads. Product giveaway is dramatically reduced by increasing accuracy to unsurpassed levels.

The Alpha Advance series delivers high-speed weighing of 75wpm by the 10-head model and 140wpm by 14-head model.



*Stainless steel common bed is optional

I mproving productivity

- High frequency load cell shortens the settle time of the weighing cycle and enables high-speed weighing.
- Yamato AFC system (Auto feeder control system) ensures optimal feeding and greatly improves the accuracy and productivity.
- Improved feeder amplitude, ability to handle sticky or fragile products.

C ounting Software option

- For packages sold by piece count and weight, optional Counting Software selects a combination of the correct count and the lowest acceptable weight.
- Tracks average piece weight trends and makes internal calculation changes to optimize accuracy and efficiency.

E ase of maintenance

Modular Actuator Unit



The modular Actuator Unit incorporates the high-performance Yamato Strain Gauge Load Cell with the stepper motor driven system. This modular design makes troubleshooting and maintenance easy and quick.

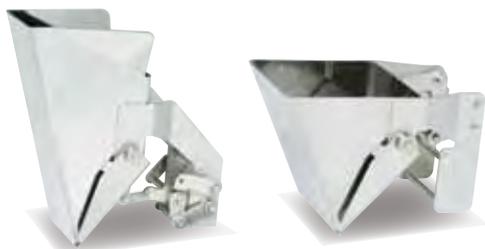


- Buckets and linear feeder pans can be removed and attached easily without tools.
- Load cells can withstand up to 150kg load, and rigid buckets improve maintenance and cleaning.

Food Safety

Radius Corner and Springless Bucket

- Large radius corners make it easy and quick to clean, reducing downtime. Hygienic springless buckets are available.



Hygienic structure of main body

The modular Actuator Units are fully covered by stainless steel plates for excellent sanitation.



Easy Operation

Color Touch Screen Operator Interface

- 10.4 inch color touch screen
- User-friendly icons enable easy operation.
- Up to 100 pre-set programs can be memorized.



USB Memory port



- Data acquisition
- Program update

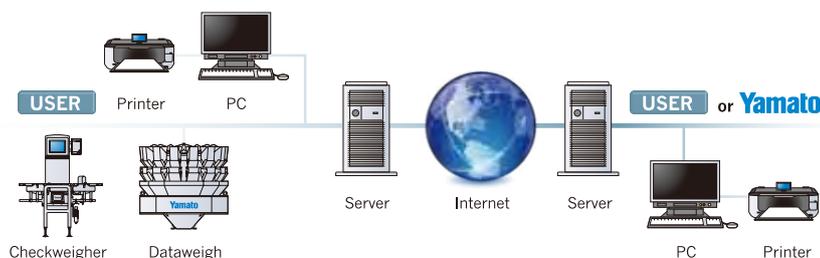
Self-diagnostics

System conditions, including voltages, input/output status, software versions, and analog/digital converter can be monitored and diagnosed through the color touch screen operator interface.

Network Remote Control and Data Acquisition

Network connection capabilities (optional)

- PC remote control by LAN
- Data acquisition via USB, Ethernet
- Feed back control between checkweigher and multihead weigher



Production control function

Enter the number of packs required for a certain recipe and once the production batch reaches this number, the scale recipe can be automatically changed to the next one.

Wide variety of weighing application

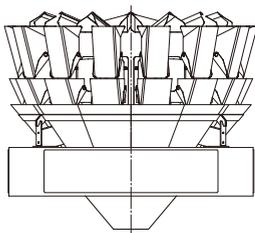


Dataweigh Alpha Advance series model

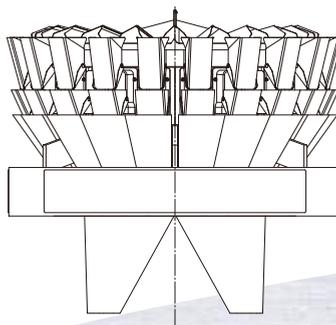
Model	ADW-A-0310S	ADW-A-0310SL	ADW-A-0314S	ADW-A-0314SL	ADW-A-0314F	ADW-A-0320S
Number of Weigh Head	10		14		14	20
Max.Speed	75wpm	60wpm	140wpm	120wpm	140wpm	2x75wpm
Max.Combination Volume	3.0L	4.5L	3.0L	4.5L	3.0L	
Weighing Range	8~1,000g					
Min.Increment digit	0.1g					
Max.Product's Length	80mm	120mm	80mm	120mm	80mm	
Main Dimensions(W)X(D)X(H)mm (*Without Infeed funnel and Collection Bucket)	1,050x1,200x860	1,110x1,270x1,030	1,300x1,290x1,100	1,440x1,470x1,230	1,360x1,340x1,840 (with Collection Bucket)	1,720x1,720x1,570
Controller	RCU-920, 10.4 inch color touch screen					
Hopper Actuator	Stepper Motor Driven					
Power requirement	AC200/220/230/240V (+10% to -15%) 50/60Hz,0.7kVA, 1phase		AC200/220/230/240V (+10% to -15%) 50/60Hz,1.0kVA, 1phase		AC200/220/230/240V (+10% to -15%) 50/60Hz,1.0kVA, 1phase	AC200/220/230/240V (+10% to -15%) 50/60Hz,1.4kVA, 1phase
Operating Temperature	-10°C~40°C (14°F~104°F)					
Humidity	35~85%(there should be no condensation)					
Air requirement	Not required					
Net Weight	350kg	350kg	400kg	400kg	400kg	600kg
IP Protection Class	IP54					

This machine is covered by a number of patents worldwide
 Above specifications and dimensions are subject to change without notice.

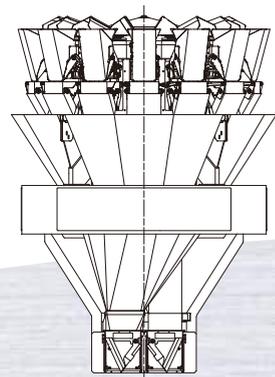
Standard



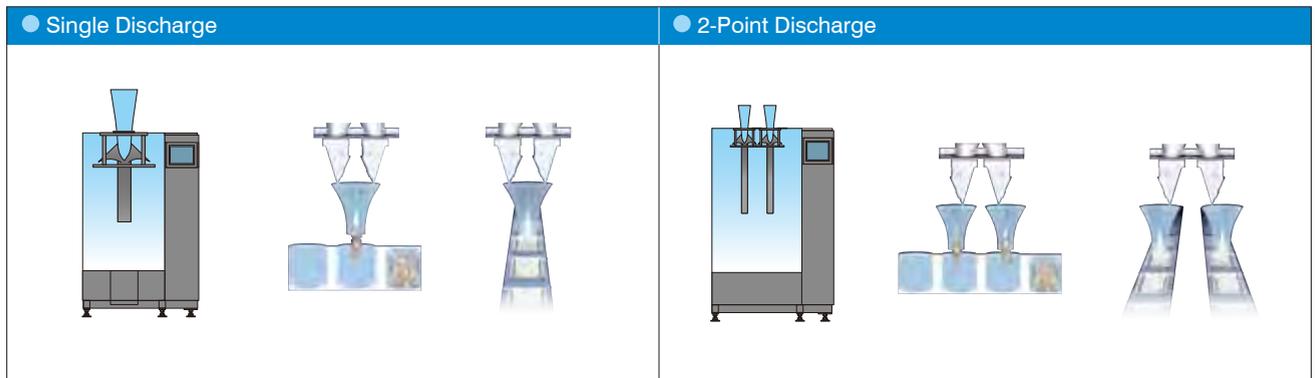
Twin



Frontier model



Providing various discharge patterns



Expanding packaging flexibility



Benefits of Dataweigh Alpha Advance Frontier model

Maximize Production output

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

Increase Production output

- Applicable to duplex VFFS
- Applicable to 2 point horizontal packaging machines and tray lines.

Contribute to environmental protection

- Reduce packaging waste and weight
- Lower total cost of ownership

About Yamato & Dataweigh™

Yamato Scale Co., Ltd. was founded in 1920 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., Germany, Netherlands, U.K., France, Russia, China, India, UAE, Mexico and Thailand. 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 with a high level of expertise and service.

■ On-site-service



Installation



Application



Training



Repairs



Maintenance

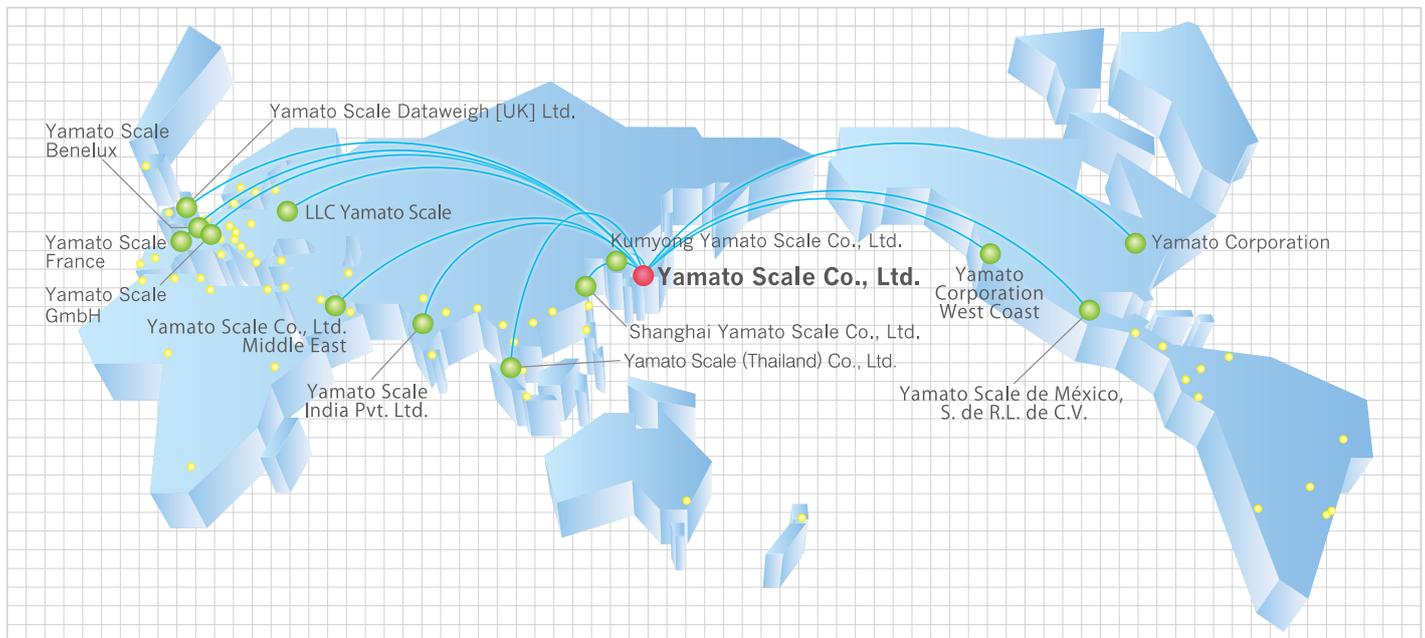


Helpdesk & hotline

■ In-house-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.

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