

# Yamato



# Smart, Tough and Accurate

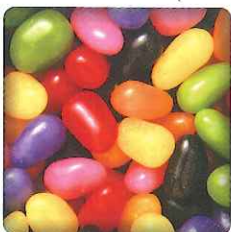
The state of the art Alpha series have advanced to the next level and raised the bar of the industry standards. Operation have advanced to a much simple design. Toughness have advanced to withstand more loads. Accuracy have advanced to an unmatched level.

The Alpha Advance series realizes high-speed weighing of 75wpm by the 10-head model and 140wpm by 14-head model. The accuracy is also improved compared to the former model.



Stainless steel common bed is optional

## Wide variety of weighing applications



## I mproving productivity

- High frequency load cell shortens the settle time of the weighing cycle and realizes high-speed weighing.
- Yamato AFC system (Auto feeder control system) enables the best feeding system. The accuracy and the productivity have also been greatly improved.
- Improved feeder amplitude, enables the handling of sticky or fragile products.

## E nvironmental responsiveness

- RoHS compliance

## 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 improves maintenance and cleaning works.

## F ood Safety

### Radius Corner and Springless Bucket

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



### Hygienic structure of main body

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



## Easy Operation



### Color Touch Screen Operator Interface

- 10.4 inch color touch screen
- User-friendly icons enables easy operation.
- Up to 300 pre-set programs can be memorized.
- 2 products mixing is available(ADW-A-0320S)

### USB Memory port



- Data acquisition
- Program update

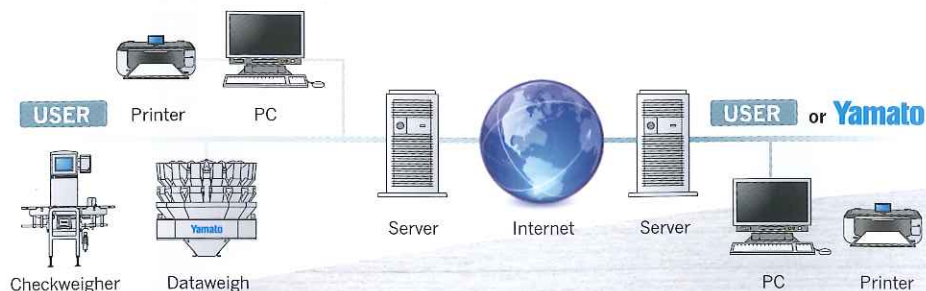
### Self-diagnostics

All important 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)

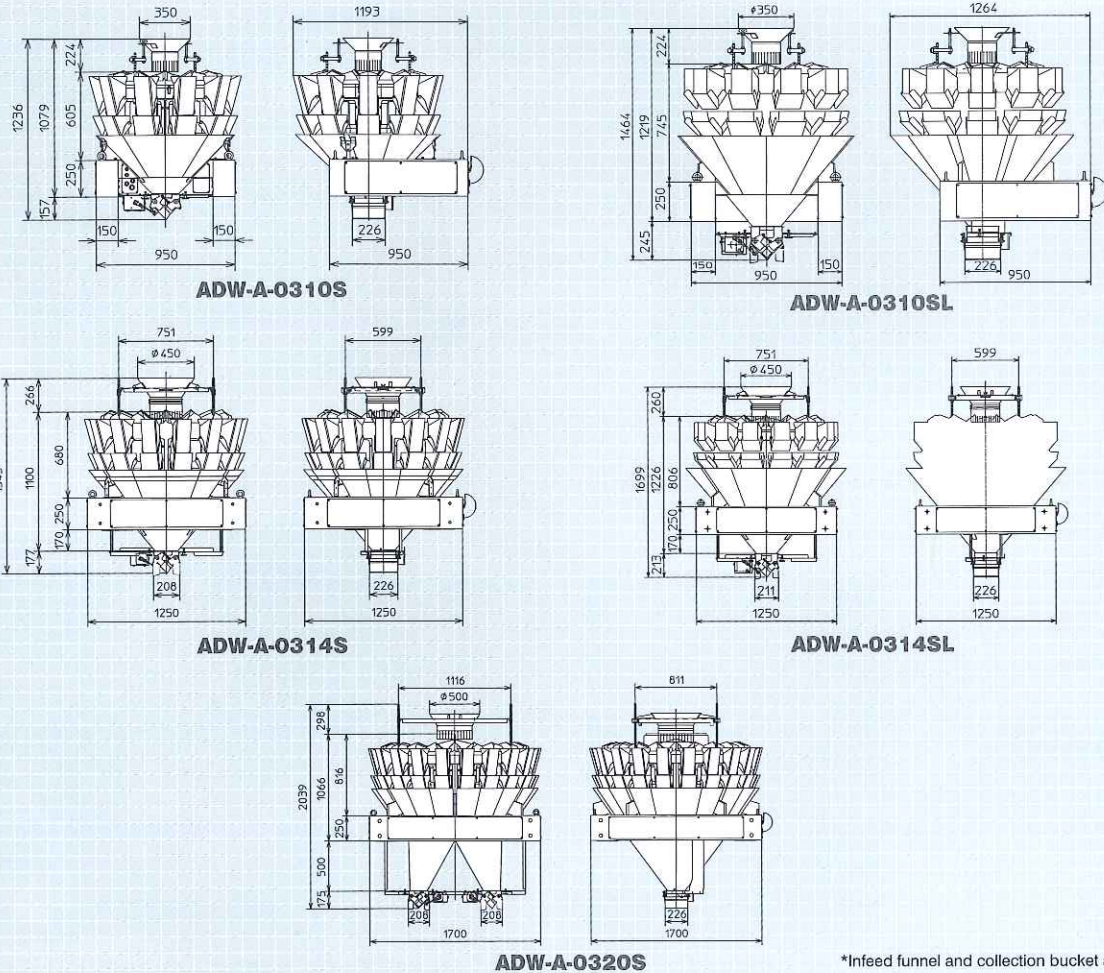
- PC remote control by LAN
- Data acquisition via USB, Ethernet or RS232C
- Feed back control between checkweigher and multihead weigher



## Production control function

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

# Dimensions



\*Infeed funnel and collection bucket are optional

# S pecifications

Model	ADW-A-0310S	ADW-A-0310SL	ADW-A-0314S	ADW-A-0314SL	ADW-A-0320S
Number of Weigh Head	10	10	14	14	20
Max. Speed	75wpm	60wpm	140wpm	120wpm	2X75wpm
Max. Combination Volume	3,000ml	4,500ml	3,000ml	4,500ml	3,000ml
Weighing Range	4~500g	8~1000g	4~500g	8~1000g	4~500g
Min. Increment digit	0.1g				
Max. Product's Length	80mm	120mm	80mm	120mm	80mm
Main Dimensions(D)X(W)X(H) (*Without Infeed funnel and Collection Bucket)	950×1,200×1,050	1,100×1,264×1,025	1,290×1,300×1,100	1,432×1,468×1,226	1,720×1,720×1,570
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, 0.7kVA, 1phase	AC200/220/230/240V (+10% to -15%) 50/60Hz, 1.0.kVA, 1phase	AC200/220/230/240V (+10% to -15%) 50/60Hz, 1.0.kVA, 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	700kg

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

# 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 with a high level of expertise and service.

## ■ On-site-service



Installation

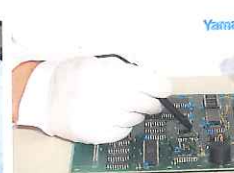


Application



Training

## ■ In-house-service



Repairs



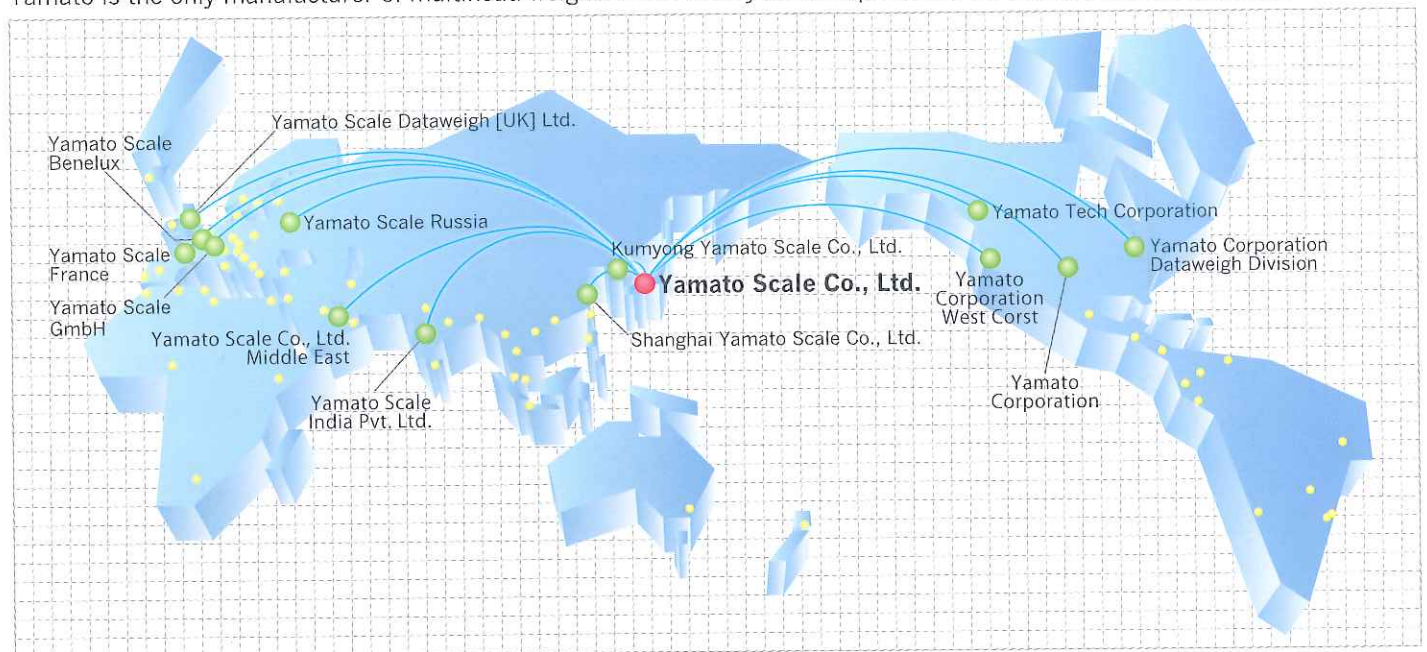
Maintenance



Helpdesk & hotline

## 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.

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