

Yamato

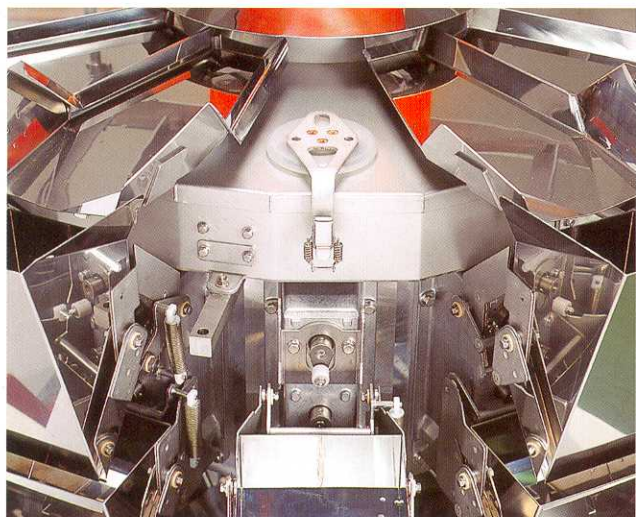
Dataweigh®

α ^{PLUS} ALPHA PLUS series

Versatile and Cost-Effective



Simple design and superb operation



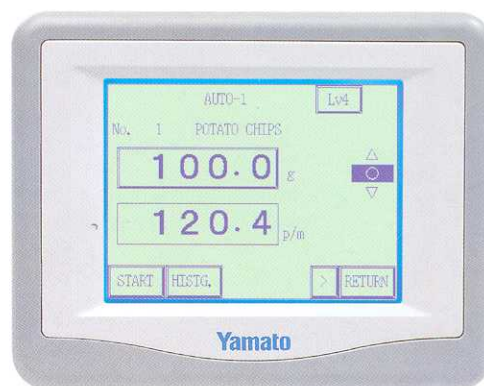
Excellent Sanitation

All operating systems, including the radial feeders are totally enclosed to provide superior sanitation.

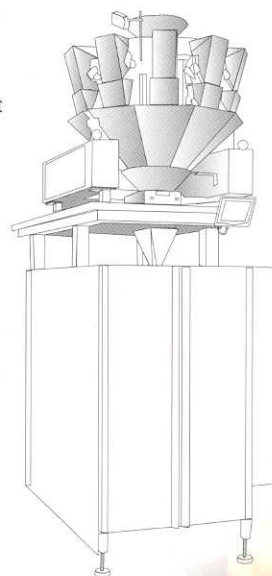
And, all product contact surfaces are removable without the use of tools.

Touch Screen Operator Interface

Liquid Crystal Touch Screen uses easy-to-understand graphics in a simple and straightforward way to make training quick and operating easy. And, the display can be viewed in any of 17 languages: English, German, French, Spanish, Italian, Dutch, Danish, Finnish, Swedish, Hungarian, Greek, Portuguese, Czech, Polish, Russian, Chinese and Japanese.



The ADW-510A weigher is compact enough to direct mount onto the packaging machine.



Yamato

Flexibility, High Speed, Economical

The Yamato Alpha Series weighers are available in three configurations: 10 head for speed up to 70 weightment per minute, 14 head for 120 weightment per minute, and 20 head for twin applications. Each represents an excellent combination of value and performance.

Drive System

The Alpha Series weighers use accurate and repeatable stepper motors for bucket door actuation. Motor patterns are adjustable and programmable to ensure the highest speed and efficiency for a wide variety of products.

Modular Actuator Unit

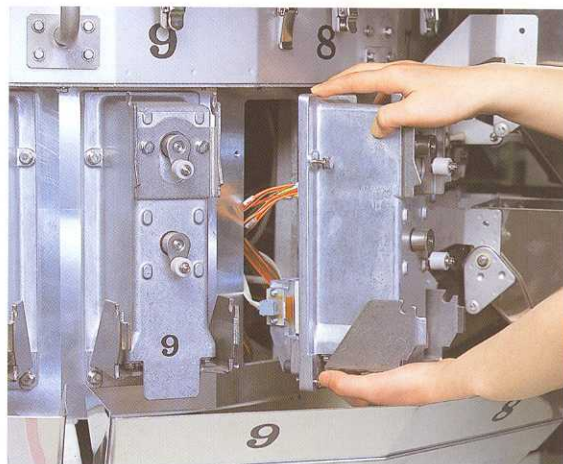
The modular Actuator Unit incorporates the high-performance Yamato Strain Gauge Load Cell with the stepper motor drive system. This modular design makes troubleshooting and maintenance easy and quick.

High Performance Weighing Accuracy

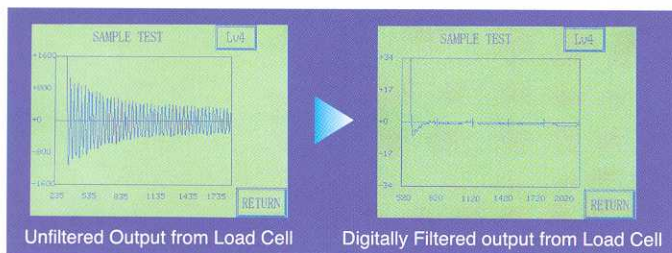
The Yamato Alpha Series weighers achieve the highest accuracy by combining Yamato's proprietary Strain Gauge Load Cells with Yamato's patented Digital Filtering that virtually eliminates the influence of external vibration.

Digital Filter

Yamato's Patented Digital filter reduces the influence of external vibration resulting in highly accurate weightments.



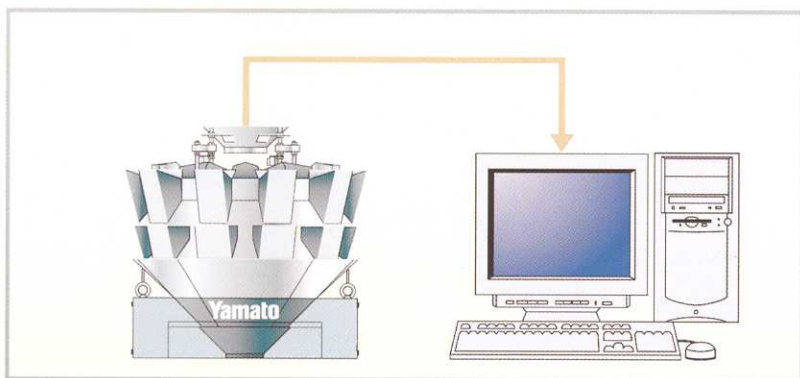
Actuator Unit



Yamato Patented Digital Filtering



Communication to PC through ArcNET and RS232C (Option)



Dataweigh Alpha Series

Self-diagnostics

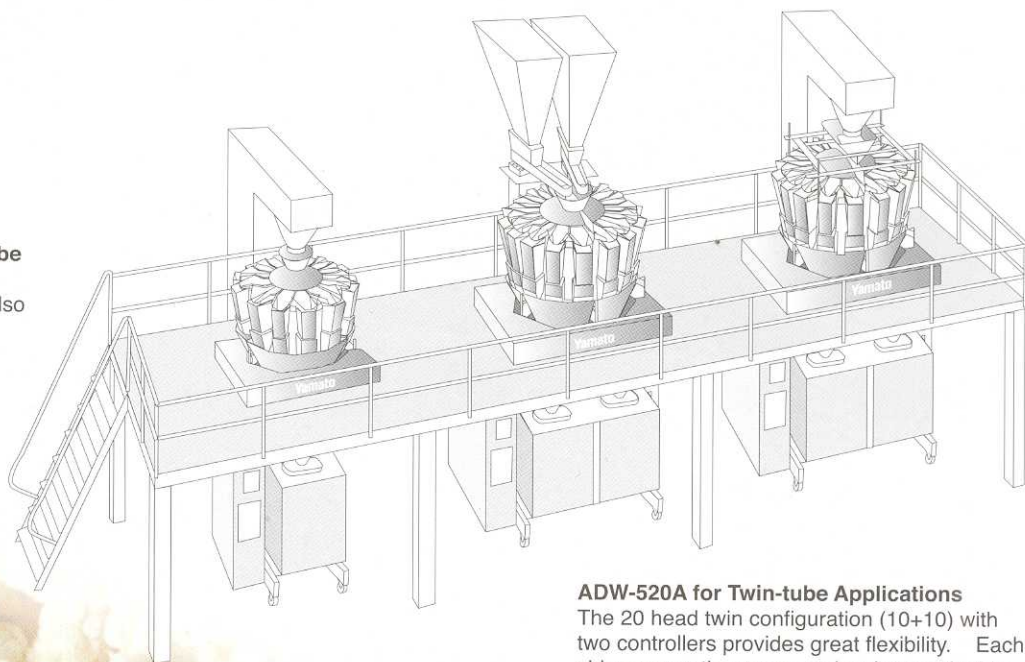
All important system conditions, including voltages, input/output status, software versions, and analog/digital converter values can be monitored and diagnosed through the touch screen operator interface.

Maximum Up-time

Through the use of modular actuators, easy-to-use operator interface, self-diagnostics, and easy maintenance, the Yamato Alpha Series weighers provide maximum up-time for maximum return on investment.

ADW-514A for Single Tube Applications

Deck Mount (leg mount also available)



ADW-520A for Twin-tube Applications

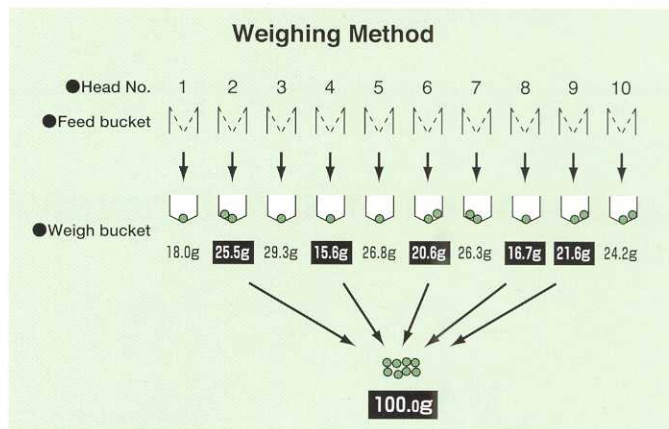
The 20 head twin configuration (10+10) with two controllers provides great flexibility. Each side can run the same product into each side of a twin-tube bagger, different products into each side of a twin-tube bagger or even two product blends into one single-tube bagger.



Weighing Method

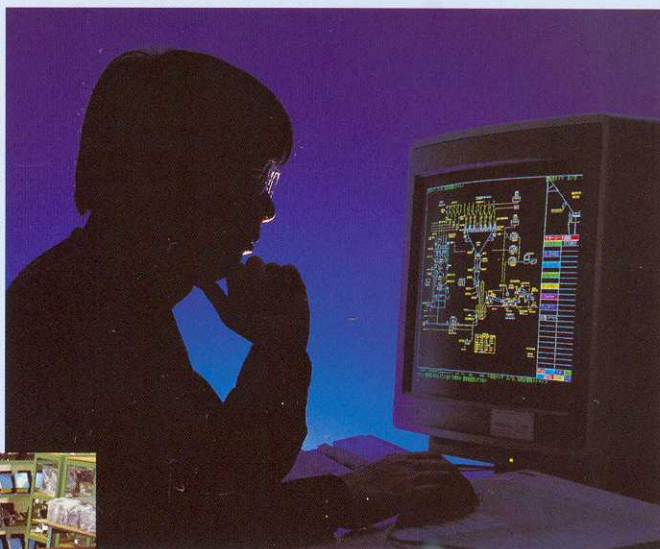
Using Strain Gauge Load Cells, the computer examines the weight in each weigh bucket. From those weights, the optimal combination to obtain the target weight is instantaneously selected and discharged. If a combination of 5 weigh buckets is selected out of 10 the number of possible combinations is 252.

In the same way, if 4 out of 10, or 6 out of 10 are selected there are 210 possible combinations. The total available number of possible combinations then becomes 672 for each cycle.



Yamato Profile

Since 1922, Yamato has specialized in the science and application of load cells and weighing machines. Among our extensive range of applications is the Dataweigh family of multihead combination weighers which Yamato introduced more than 2 decades ago. In all aspects of providing our customers with superior products - R & D, Design, Production Quality Assurance and shipping - Yamato offers the best quality, support and service through our Global Yamato Network and all of our distributors. Yamato is ISO9001 certified.

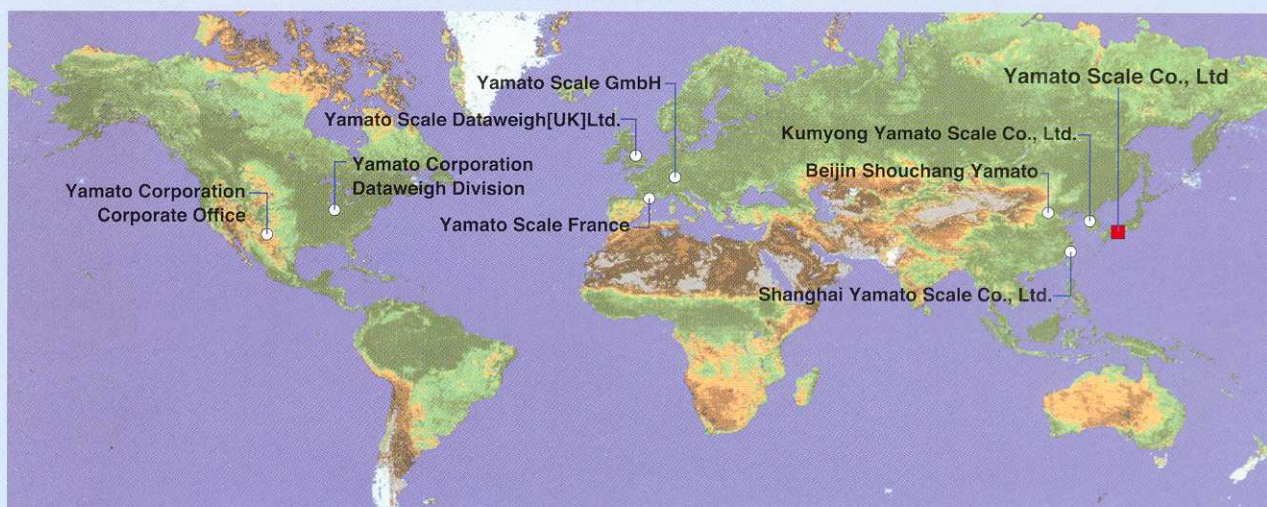


Control Research and Development



Dataweigh Final Assembly

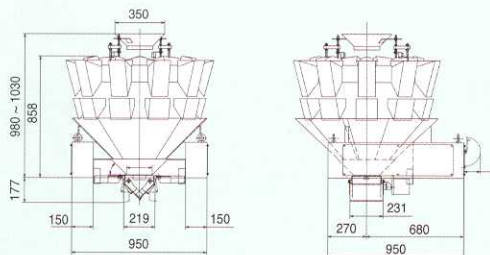
Network



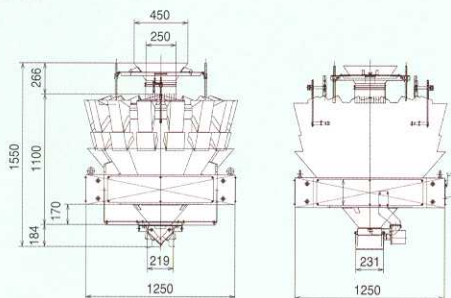
Global Yamato Network

DIMENSIONS

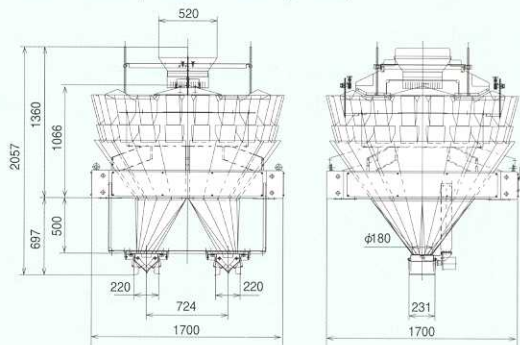
ADW-510A



ADW-514A



ADW-520A (Infeed funnel is optional)



Collection bucket is optional.

SPECIFICATIONS

| MODEL | ADW-510A | ADW-514A | ADW-520A |
|-------------------------|---|----------------------------------|----------------------------------|
| No. of Weigh Head | 10 | 14 | 20 |
| Max. Speed | 70 wpm | 120 wpm | 70 x 2 wpm |
| Max. Combination Volume | 3,000 ml | | |
| Weighing Range | 4 ~ 500 g / 8 ~ 1,000 g | | |
| Min. Increment digit | 0.1 g / 0.2 g | | |
| Max. Product's Length | 80 mm | | |
| Main Dimensions | 1,020(w) x 1,179(d) x 858(h)mm | 1,250(w) x 1,250(d) x 1,100(h)mm | 1,700(w) x 1,700(d) x 1,566(h)mm |
| Controller | RCU-900 Mono-tone, Liquid Crystal Touch Screen | | |
| Hopper Actuator | Stepping Motor driven | | |
| Power requirement | AC200/ 220/ 240V (+10 to -15%), 50/ 60 Hz, 1.0 ~ 3.0 kVA, 1 phase | | |
| Air requirement | Not required. | | |
| Standard attachment | Infeed Funnel | Infeed Funnel | --- |
| Net Weight | 370 kg | 400 kg | 750 kg |

This machine is covered by one or more patents worldwide.

All illustrations and specifications are subject to change without notice and any drawing dimensions are not to scale and are approximate.

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