

## Yamato Scale EPSILON Series

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Multihead weighers with proven design for lasting performance

**Dataweigh** 

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**Dataweigh E™**

Latest technological development

## EPSILON Series

worthy successor of the well-known SIGMA equipment

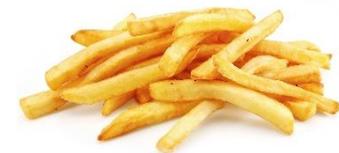
cost-effective performance

robust and durable

Industry 4.0 enabled

The machines of the EPSILON Series are a worthy successor of the well-known SIGMA equipment.

The multihead weighers of this series combine our enormous engineering experience with the latest technological developments. The multihead weighers of the EPSILON Series are applicable for weighing and packaging of nearly every kind of bulk goods.



Features of the multihead weighers

## EPSILON Series

### Reliable Design

- Load Cells can withstand up to 150 kg load
- High-performance Yamato Strain Gauge Load Cells
- Actuator unit driven by a stepper motor system
- Robust bucket and linkage design
- Spring-free buckets

### Tool-free Strip Down

- Quick release linear feeder pans
- Latch on top cone
- Lift-off buckets and chutes

### Advanced Features

- Adjustable open/close door profiles
- Linear feeder control
- Central load cell for ancillary feed system
- Unique Drive System

### Hygienic Design

- Full stainless steel construction
- Compliant with IP66 standard
- Large radius corner bucket design



Features of the multihead weighers

## EPSILON Series

### Easy Maintenance

- Modular plug-in actuator
- Buckets and actuators fully interchangeable
- Tool-free removable top cone, linear feeder pans, buckets and chutes
- Auto-inhibit function allows the buckets to be removed without stopping the weigher
- Auto tare



### Environmental responsibility

- Advanced electronics keep the power consumption low
- Greater precision minimizes the waste of resources
- Easy cleaning reduces the water consumption



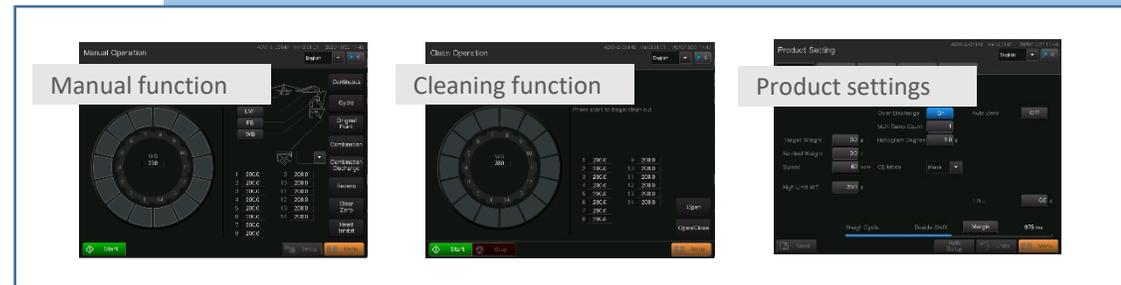
## Advanced Interactive Command Console Plus RCU-930

- Advanced Interactive Command Console
- 10.4 inch color touch screen | 65.536 colors | 1024x768 resolution
- High-performance processor
- Smartphone and tablet operation
- Access port for Ethernet
- Access port for USB
- IP65



## Advanced Software

- Data acquisition via USB
- HACCP compliant
- Operation in 26 languages
- 100 pre-set programs
- Program update
- Auto-program tool
- Programmable operational parameters
- Individual, Step Radial control (both amplitude and time)
- Multidump
- Production diagnostics (histogram, production parameters, scale operation parameters)
- Product mixes with up to 8 components (optional)



Videos, applications, demonstrations

## EPSILON Series

You will find various videos of applications and demonstrations in our media library on our website. You will need an internet connection.

Please click the play arrow below.

Videos, applications, demonstrations

## EPSILON Series



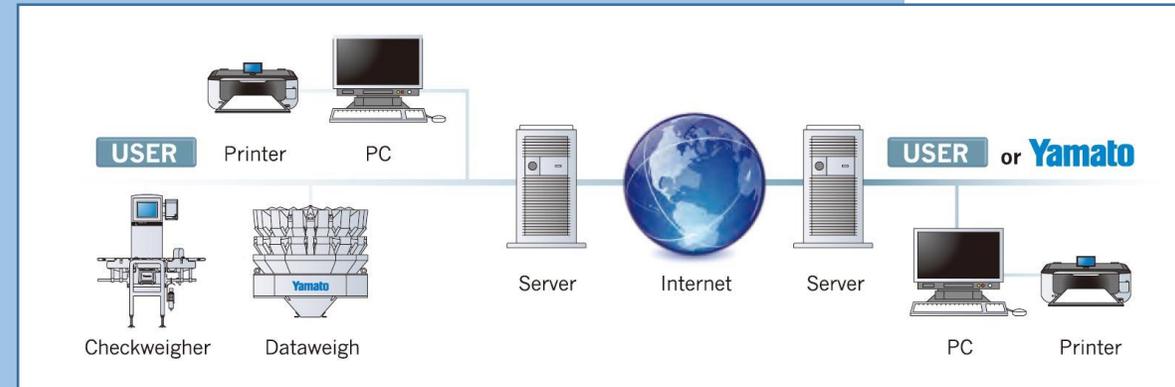
**Dataweigh** *E*<sup>TM</sup>

Features of the multihead weighers

## EPSILON Series

### Additional options

- [Remote control by PC via network](#)
- OPC interface for data accumulation (data collection)
- [Mixing software](#)
- [Counting software](#)
- Priority head
- Multipoint discharge
- [Feedback control](#)



You can find more information on the individual options on our website. The integrated links will lead you directly to the desired articles.

Multihead weigher models

## EPSILON Series

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Model	Weighing heads	Target weight (g) Single discharge	Volume up to (ml) Single discharge	Up to weightings per min.	Up to weightings per min. Multipoint discharge	Application & Special features
ADW-E-0114SL	14	2 - 250	500	140		standard
ADW-E-0114S	14	4 - 500	1,000	140		standard
ADW-E-0116S	16	4 - 500	1,000	140	2 x 70	standard, twin, mixing
ADW-E-0116M	16 with Memory	4 - 500	1,000	240	2 x 120	standard, twin, mixing
ADW-E-0124S	24	4 - 500	1,000	240	2 x 120	standard, twin, mixing
ADW-E-0124M	24 with Memory	4 - 500	1,000	320	2 x 160   3 x 100   4 x 80	standard, twin, mixing, multipoint discharge
ADW-E-0210S	10	8 - 1,000	2,000	70		standard
ADW-E-0210M	10 with Memory	8 - 1,000	2,000	130	2 x 65	standard, mixing
ADW-E-0214S	14	8 - 1,000	2,000	130		standard
ADW-E-0216M	16 with Memory	8 - 1,000	2,000	200	2 x 100	single, twin, mixing
ADW-E-0224M	24 with Memory	8 - 1,000	2,000	300	2 x 150   3 x 100   4 x 75	standard, twin, mixing, multipoint discharge
ADW-E-0508M	8 with Memory	20 - 2,000	5,000	100		standard
ADW-E-0510S	10	20 - 2,000	5,000	65		standard
ADW-E-0514S	14	20 - 2,000	5,000	120		standard
ADW-E-0516M	16 with Memory	20 - 2,000	5,000	180	2 x 90	standard, twin, mixing, more combinations
ADW-E-0618F	18	20 - 2,000	6,000	180	2 x 60	High-speed
ADW-E-1010S	10	20 - 3,000	10,000	50		Large volume
ADW-E-1014S	14	20 - 3,000	10,000	90		Large volume
ADW-E-1016S	16	20 - 3,000	10,000	100		Extra large volume
ADW-E-1016M	16 with Memory	20 - 3,000	10,000	150	2 x 75	single, twin, mixing, more combinations
ADW-E-1614S	14	40 - 5,000	16,000	80		standard
ADW-E-1614M	14 with Memory	40 - 5,000	16,000	120	2 x 60	extra large volume, more combinations
ADW-E-0520S	20	20 - 2,000	5,000	120	2 x 60	standard, twin, mixing
ADW-E-0520M	20 with Memory	20 - 2,000	5,000	220	2 x 110	standard, twin, mixing
ADW-E-0524S	24	20 - 2,000	5,000	160	2 x 80	standard, twin, mixing
ADW-E-0524M	24 with Memory	20 - 2,000	5,000	260	2 x 130   3 x 90   4 x 65	standard, twin, mixing, multipoint discharge

The above mentioned parameters are based on our applications experiences and have to be tested in advance using the original product.

Surface finishes

## EPSILON Series

All models of the EPSILON series are available with different surfaces.  
Here you will find the most common designs and the corresponding product examples.

Surface finish	Application (Product)	Product example
Plain plate	Dry & free-flowing	Snacks, bakery, nuts, cereals, confectionery, pulses, hardware, chemical products, pet food, etc.
Dimple plate	Sticky	French fries, frozen and fresh fruit/vegetables, dried fruit, jellies, frozen meat products, etc.
Yamato Dimple	Very sticky	French fries, frozen and fresh fruit/vegetables, dried fruit, jellies, frozen meat products, etc.
Wire mesh	Very sticky	Jellies (without sugar coating)
Teflon coating	Very sticky	Cheese, dried fruit, etc.
Silicon, PIM	Fragile	Snacks, bakery, etc.

Further Information

## Yamato Scale products and services

You will find further important information on our website.  
One click brings you to the desired topic:

Information about	Brief description
<a href="#">Further products and services</a>	Everything you need for the optimization of your production process
<a href="#">Multihead weighers OMEGA series</a>	At the pinnacle of technology, for all applications
<a href="#">Multihead weighers EPSILON series</a>	Proven design for lasting performance, smart, reliable, established technology
<a href="#">Multihead weighers ALPHA Advance Series</a>	Top technology for basic applications, robust, powerful, brilliant performance
<a href="#">Semi-automatic multihead weighers</a>	Combination weigher for "challenging" products
<a href="#">Checkweighers I-Series</a>	For waterproof applications, best hygienic properties IP67 & IP69
<a href="#">Checkweighers J-Series</a>	For demanding applications, reliable, flexible, best security for your production
<a href="#">Complete packaging solutions</a>	A single source for everything: planning, realization, stages, feeding technology etc.
<a href="#">Industrial applications</a>	Find our weighing solution for your product here

## We are here to help

To find the best possible dosing solution for you, please contact our consulting team. Together with you we will define the optimum design of your multihead weigher. You can rely on our experience.

### **Contact us:**

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