

Dataweigh®

Yamato



SIGMA series
With Super Command Console



THE SUM OF ALL YOUR NEEDS





SIGMA



*The Sum Of
In Combination
from*

With more than 70 years of
YAMATO is one of the world's leading
YAMATO has now developed an advanced
handle a wide selection of products

YAMATO has combined 70 years of experience with the most advanced technologies available to produce an unrivalled range of multi-head weighers: the SIGMA SERIES.

SIGMA HANDLES
products as diverse as fresh chicken, snacks and confectionery with unparalleled accuracy and efficiency.

SIGMA PROVIDES
accurate and controlled multi product mixing with multiple components on a single scale.

SIGMA'S ADVANCED COUNTWEIGH SOFTWARE
reduces give-away and maximizes profitability.



Fresh salad



Pasta



Gummy candy

Ueish series



All Your Needs
Weighing
YAMATO

experience in the field of weighing
manufacturers of weighing equipment.
range of multi-head weighers designed to
with the utmost accuracy.



Fresh chicken



Frozen chicken



Cereal



Cheese

APPLICATIONS:

- Confectionery
- Snacks
- Bakery products
- Potato products
- Meat, fresh or frozen
- Cheese
- Salad
- Pasta
- Dried fruits
- Cereals
- Rice
- Herbs
- Hardware components
- Granular products
- Sticky products
- Fragile products
- Small bag products
- Frozen mincemeat

HYGIENIC DESIGN UNIQUE "PUSH PULL" DRIVE

Yamato's unique drive system eliminates the use of return springs in all hoppers.

ADVANCED HOPPER DESIGN

Yamato's advanced hopper design, incorporates:

- fully interchangeable hoppers, reduces clean down time
- large radius corners, for ease of cleaning
- heavy duty 1.5 mm gauge stainless steel construction

TOTALLY ENCLOSED VIBRATORY FEEDERS

- no exposed wiring
- product trap areas eliminated
- reduced noise

TOOL FREE STRIP DOWN

- quick release linear feed pans
- lift off hoppers and chutes

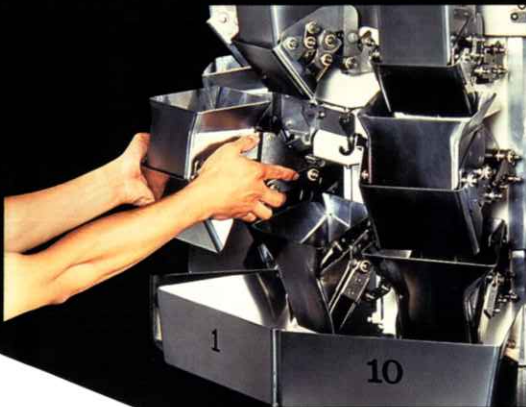
IMPROVED WORKING ENVIRONMENT

SIGMA'S ADVANCED DESIGN PROVIDES:

- "Whisper" quiet drive mechanism reduces noise pollution
- compliance with all IP 65+ waterproof standards
- reduced cleaning time



Top of center column



Removing hopper



Linear feeder pans

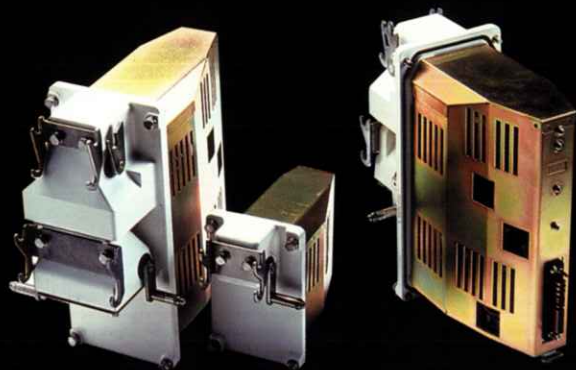


Hoppers

YAMATO has designed the answer to the sum

ADVANCED TECHNICAL DESIGN INCORPORATES:

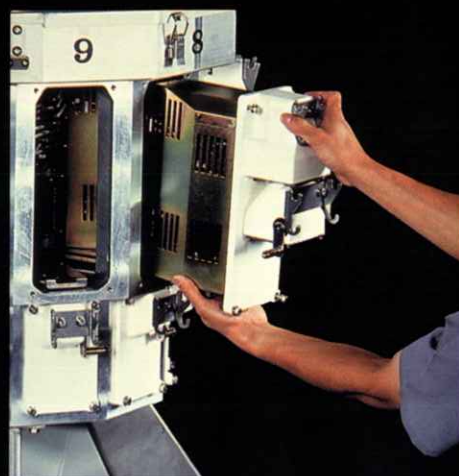
- auto head inhibit
- door position sensor
- adjustable open/close door profiles
- automatic linear feed control
- central load cell control of ancillary feed systems
- Super Command Console (SCC) base mounted control cabinet



Actuator units

MODULAR CONSTRUCTION

- self contained, sealed plug-in actuator units
- all actuators and hoppers are fully interchangeable due to modular design
- offers wide variety of machine models with 2 to 16 ltr capacity, head configurations from 8 to 24



Mounting actuator unit

**ALL Σ Series Dataweigh
feature improved hygiene
and reliability.**

of all your needs in combination weighers.

HIGH LEGIBILITY DISPLAY

The large, high-resolution electroluminescent (EL) display (640 x400 dots) is easy to read over a wide viewing angle (160°). The EL display offers twice the life of alternative LCD or plasma displays.

SCC

With its user-friendly touch screen/display it provides simplicity of operation, under all conditions.

POWERFUL 32 BIT C.P.U.

32 bit CPU using Yamato's customized I.C.s and software offers high speed accurate weighing.

GRAPHICS DISPLAY

Easy to understand graphics and prompt features assist operators.

MULTI-LINGUAL

One touch selection of six languages.

INTEGRAL PRINTER

Complies with IP 65 standards and provides full statistical data.

SELF DIAGNOSIS

An extensive self diagnostic program provides continuous monitoring and tests the Sigma's performance.

Misoperations/faults are clearly reported on the SCC screen, enabling a quick return to efficient operation.



Controller board

NETWORK

Communications between the SCC and the Dataweigh are performed through optical fiber cables which are immune to electrical noise. One SCC unit can control multiple Dataweighs. Connection to a host computer is available.

ADDITIONAL AND ANCILLARY FEATURES

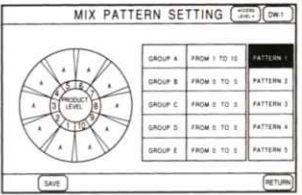
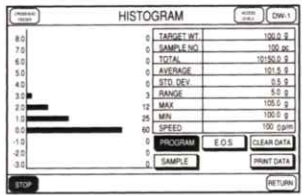
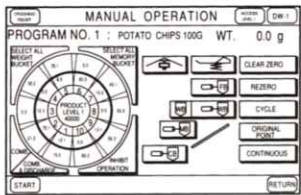
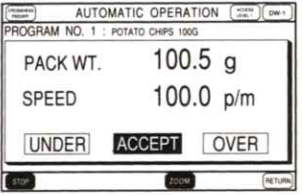
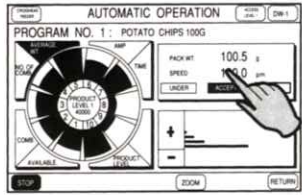
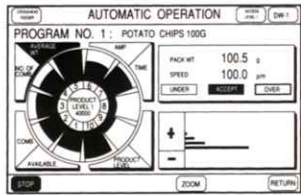
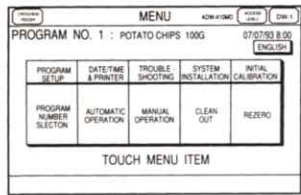
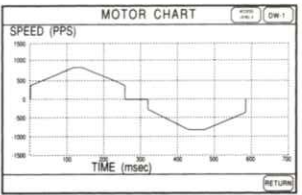
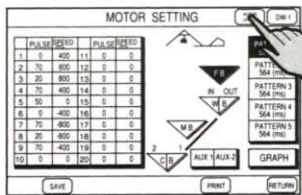
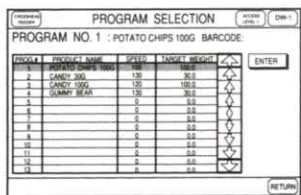
- bar code reader
- 2-way discharge gate
- multi point discharge
- product stopper
- mix software/count software
- noise reduction chutes



**The newly developed IP 65
Super Command Console
(SCC) complete with integral
printer as standard.**

User Friendly Design

GRAPHICS DISPLAY



Multi-point discharger



Barcode reader

Super Command Console (SCC)





SIGMA series

With Super Command Console

Dataweigh®

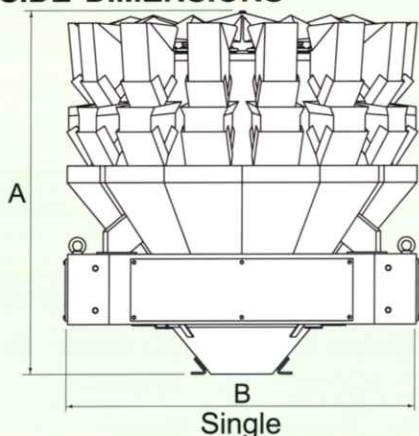
A Step Ahead In Weighing Technology

SPECIFICATIONS

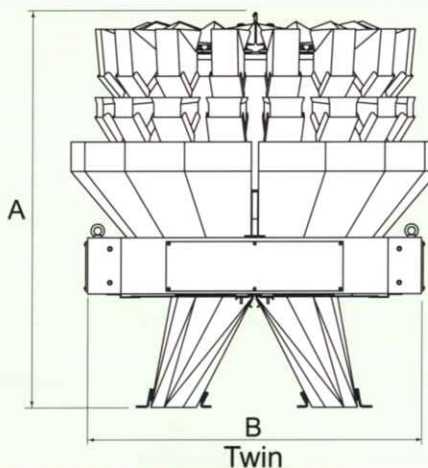
Model	Weigh Heads	Max. Weight(g)	Max. Speed(P/M)	Volume per Pack(cc)	A (mm)	B (mm)	
ADW-410SD	10	1000	120	2000	1040	1000	
ADW-410SW(H)	10	1000	120	2000	1130	1000	
ADW-410MD	10	1000	150	2000	1140	1000	
ADW-410MW(H)	10	1000	150	2000	1230	1000	
ADW-414SD	14	1000	160	2000	1142	1100	
ADW-416MD	16	1000	110x2	2000	1490	1500	Twin
ADW-416MWH	16	1000	110x2	2000	1540	1500	Twin
ADW-420MD	20	1000	120x2	2000	1720	1500	Twin
ADW-420MWH	20	1000	120x2	2000	1880	1500	Twin
ADW-508MD	8	2000	100	5000	1340	1250	
ADW-508MWH	8	2000	100	5000	1430	1250	
ADW-510SD	10	1000	60	5000	1260	1250	
ADW-510SW(H)	10	2000	60	5000	1350	1250	
ADW-510MD	10	2000	120	5000	1410	1250	
ADW-514SD	14	2000	120	5000	1290	1250	
ADW-514SW(H)	14	2000	120	5000	1380	1250	
ADW-516MD	16	2000	95x2	5000	1760	1500	Twin
ADW-516MW(H)	16	2000	95x2	5000	1900	1500	Twin
ADW-520MD	20	2000	110x2	5000	1770	1800	Twin
ADW-520MWH	20	2000	110x2	5000	1970	1800	Twin
ADW-524MD	24	2000	110x2	5000	1990	2000	Twin
ADW-524MWH	24	2000	110x2	5000	1990	2000	Twin
ADW-710SWH	10	3000	50	10000	1730	1600	
ADW-714SD	14	3000	90	10000	1570	1600	
ADW-714SW(H)	14	3000	90	10000	1730	1600	
ADW-714MD	14	3000	70x2	10000	2390	1800	Twin
ADW-714MWH	14	3000	70x2	10000	2390	1800	Twin
ADW-814SD	14	5000	80	16000	1650	1800	
ADW-814SWH	14	5000	80	16000	1850	1800	

Speed, weight and volume listed above are standard. Other ranges are also available when required, please contact YAMATO.
Max. and Min. Weight may vary according to local regulations.

OUTSIDE DIMENSIONS



Single



Twin

THIS MACHINE IS COVERED BY ONE OR MORE OF THE FOLLOWING PATENTS.

U.S.A.

4,267,894 4,308,928 4,336,852 4,336,853 4,341,274 4,344,492 4,360,070 4,385,671 4,388,975 4,398,613 4,416,341 4,437,527 4,441,567 4,444,282 4,446,938
4,470,166 4,473,126 4,484,645 4,527,646 4,559,981 4,561,509 4,566,549 4,589,506 4,596,327 4,600,096 4,618,012 4,618,013 4,635,831 4,660,661 4,676,325
4,703,815 4,706,766 4,709,769 4,742,877 4,764,695 4,780,830 4,782,454 4,792,003 4,793,420 4,813,205 4,817,026 4,825,896 4,840,240 4,874,048 4,905,779
4,941,565 4,967,383 4,967,856 4,979,608 5,048,623 5,054,652 5,062,492 5,069,300 5,074,436

Australia

513,465 520,013 524,316 524,318 529,915 533,478 542,391 550,275 570,368 578,181

Great Britain

2,039,374 2,067,861 2,070,362 2,077,067 2,089,153 2,096,847 2,100,483 2,117,586 2,121,626 2,123,956 2,166,252 2,169,415 2,169,462 2,170,013 2,171,865
2,174,818 2,181,865 2,183,854 2,189,614 2,191,004 2,191,010 2,192,728 2,200,468 2,229,046

France

7,930,299 8,027,214 8,100,439 8,110,724 8,210,041 8,212,813 8,404,451 8,517,953 8,614,229 8,707,491

Germany

2,949,781 3,100,917 3,121,454 3,123,677 3,221,276 3,226,215 3,409,806 3,500,076 3,501,995 3,538,083 3,543,095 3,602,345 3,615,546 3,635,136 3,640,993
3,700,905 3,706,449 3,718,104 3,723,136 3,802,052

Italy

1,145,561 1,172,219 1,183,997 1,195,341 1,205,367 1,206,828 1,210,758 1,211,184 1,218,978

OTHER PATENTS PENDING

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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