

Knowledge Precision Performance

Ishida DACS Checkweighers offer you:

- Confidence that your products are always weight-compliant
- Help in maintaining and improving profitability*
- State-of-the-art technology delivering optimum performance and value
- Consistent accuracy through robust, reliable design
- Low maintenance requirements and minimal cleaning downtime
- A wide range of models and options to suit your exact need and budget

See inside for details of:

Ishida DACS-W High Performance Range
When overall integration and control become important

Ishida DACS-Z (Zenith) High Speed Range
Where speed and accuracy are of paramount importance

Ishida DACS-H (IP66) Fresh Food Range
Where fresh food hygiene is key



* Helping ensure your packs are "legal" is only one way in which checkweighers can protect or improve your profitability.

A Selection of Optional Features



Arm-type reject system

Available with all models

Air-jet reject system

Available with lower weight-range models

Push-plate reject system

Available with all models

Drop-belt reject system

Available with all models

Pack recognition technology

Available with DACS-Z and DACS-W models

Metal detection

Available with DACS-Z, DACS-W models and DACS-H models

Interfacing via Ethernet link

Available with DACS-W and DACS-H models

Feedback control

Available with DACS-H models

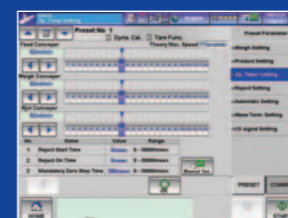
Display Mode Features (DACs-W & DACs-Z models)



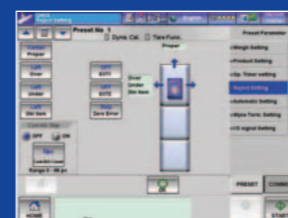
Production screens offer a variety of colourful, easy-to-read charts. Note the product identity photo taken with the built-in camera.



Continuously updated screens provide valuable information throughout each production run.



The belt speed of each conveyor can be independently selected on this simple-to-use timer setting screen.



Setting up the exact way in which out-of-range items are rejected is fast and straightforward.

helpline • spares • service • training



Ishida Europe Limited
11 Kettles Wood Drive
Woodgate Business Park
Birmingham B32 3DB
United Kingdom
Tel: +44 (0)121 607 7700
Fax: +44 (0)121 607 7666
info@ishidaeurope.com

Ishida Czech Republic
Tel: +420 317 844 059
Fax: +420 317 844 052
info@ishidaeurope.cz

Ishida Netherlands
Tel: +31 (0)499 39 3675
Fax: +31 (0)499 39 1887
info@ishida.nl

Ishida France
Tel: +33 (0)1 48 63 83 83
Fax: +33 (0)1 48 63 24 29
info@ishidaeurope.fr

Ishida Romania
Tel: +40 (0)21 589 73 52
Fax: +40 (0)21 310 34 22
info@ishidaeurope.ro

Ishida Germany
Tel: +49 (0)791 945 160
Fax: +49 (0)791 945 1699
info@ishida.de

Ishida South Africa
Tel: +27 (0)11 976 2010
Fax: +27 (0)11 976 2012
ishidasales@ishida.co.za

Ishida Middle East
Tel: +971 (0)4 299 1933
Fax: +971 (0)4 299 1955
ishida@ishida.ae

Ishida Switzerland
Tel: +41 (0)41 799 7999
Fax: +41 (0)41 790 3927
info@ishida.ch



Innovation Commitment Quality Experience

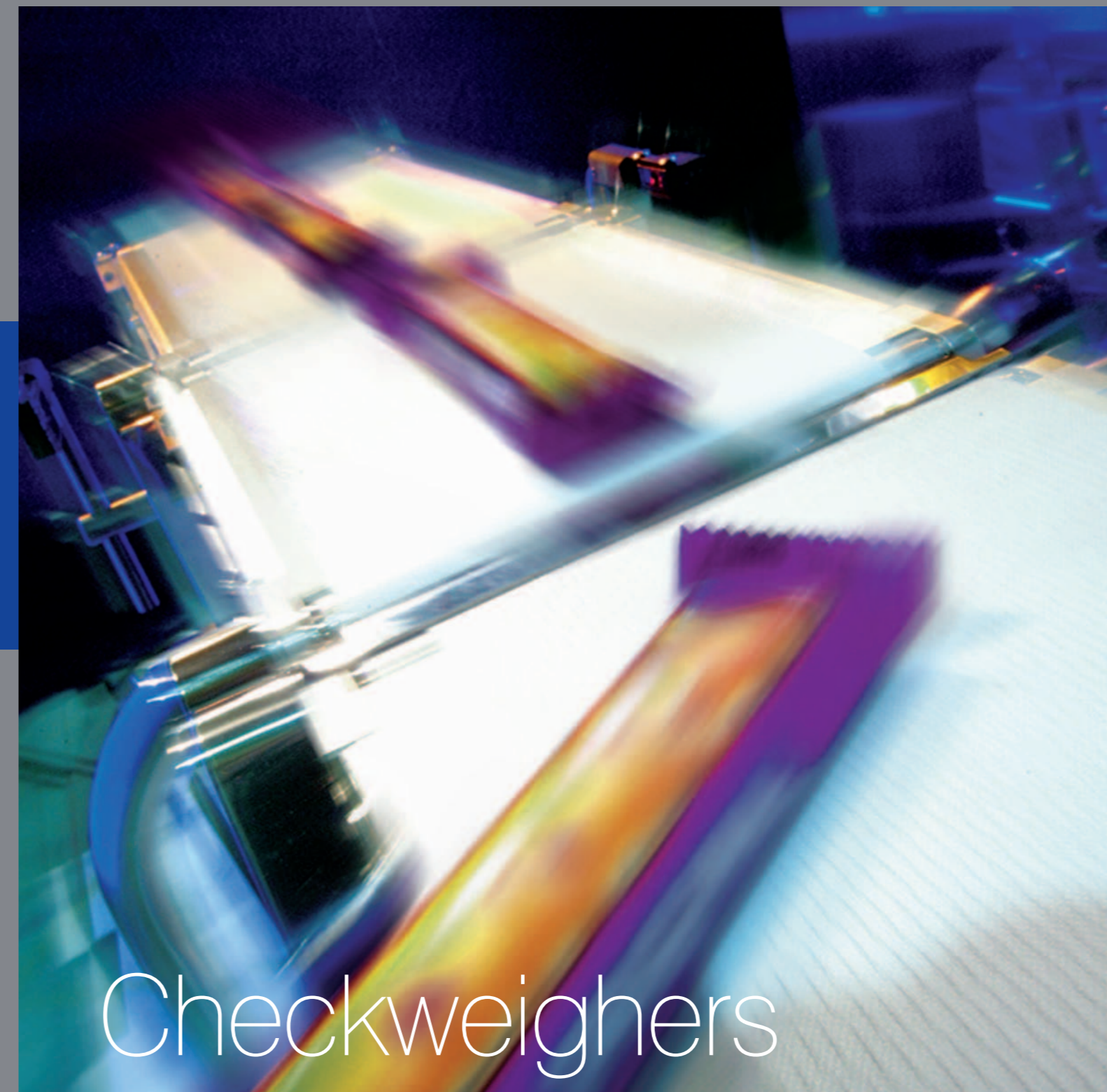
Ishida Europe

Understanding and tackling the weighing and packing line challenges you face

Unique engineering expertise, combined with practical industry knowledge in your sector: global applications experience, including snacks, meat, poultry, ready meals, fresh produce, dry and frozen foods, bakery, confectionery, pasta, pharmaceuticals and non-food products.

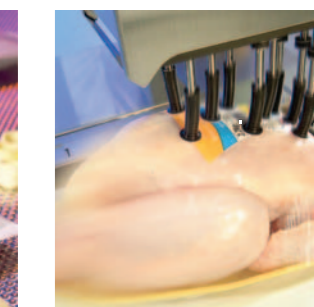
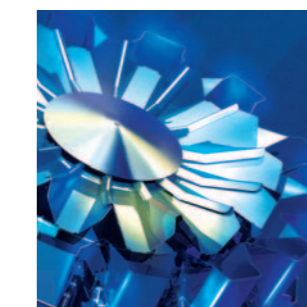
R&D resources and commitment to support both continuous improvement and product innovation.

Solutions include consultancy and project management, complete packing lines, multihead weighers, distribution and topping systems, snackfood bagmakers, checkweighers, traysealers, X-Ray inspection systems, weigh-price-labellers and pick-and-place casepackers.



Checkweighers

Exceptional performance, hygiene and speed



DACS-W High Performance Range

Extra control, greater ease of integration in dry and wet applications

Ishida technology for speed and accuracy

Fast, accurate weigh signals from high-speed Ishida loadcells are enhanced by AFV (compensation for floor vibration) and digital filtering. Signals are processed extra-rapidly via a special DSP (Digital Signal Processing) chip. Adding to this competitive edge are an extra-light weigh conveyor with a state-of-the-art direct drive motor, and a unique low-friction belt.

Powerful graphic interface, with enhanced potential for factory integration

A large, easy-read, colour touchscreen interface makes operation and training simpler. Based on a Windows XP® embedded platform, the possibilities for linking to factory control and information exchange systems (via ethernet links) are virtually limitless.

Product changeovers, including cleaning, are quick and easy

Quick-release conveyors that snap back into place and a robust, open support framework with smooth, easy-to-clean contours enable rapid access and cleaning.

Handling more sizes and shapes

To accommodate almost any type of product, a wide range of belt and conveyor sizes are available.

Instant pack recognition technology

A built-in camera can image any pack and store it for future recognition, allowing maximum confidence in correct set up.

Options

- Fully integrated, high performance metal detectors
- Interfaces with data capture systems, multihead weighers or other equipment for optimum production line performance
- Feedback control
- Flash memory card
- Random checking software
- Reference weight renewal software



DACS-W High Performance Range

Specifications	DACS-W-003-SB/SS, WP-I-N (CTS)	DACS-W-012-SB/SS, WP-I-N (CTS)	DACS-W-030-SB/SS, WP-I-N (CTS)	DACS-W-050-SB/SS, WP-I-N (CTS)
Model	DACS-W-003-SB/SS, WP-I-N (CTS)	DACS-W-012-SB/SS, WP-I-N (CTS)	DACS-W-030-SB/SS, WP-I-N (CTS)	DACS-W-050-SB/SS, WP-I-N (CTS)
Weighing Range (**)	3g - 300g	10g - 1200g	30g - 3000g	50g - 5000g
Weighing Speed (Max)(*)	330 WPM	270 WPM	210 WPM	130 WPM
Weighing Accuracy (*)(***)	± 0.2g (± 0.7g)	± 0.2g (± 0.7g)	± 1.0g (± 2.0g)	± 2.0g (± 3.0g)
Minimum Graduation	0.1g	0.1g	0.5g	1.0g
Control Unit	12.1" Colour Touch Screen Display			
Weigh Cell	Double-Beam strain gauge loadcell in a new design			
Weigh Conveyor (mm)(**)	350 (345)(L) x 165 (160)(W)	450 (445)(L) x 245 (230)(W)	545 (540)(L) x 330 (310)(W)	545 (540)(L) x 410 (380)(W)
Reject Conveyor (mm)(**)	450 (445)(L) x 165(160)(W) (air jet)	450 (445)(L) x 245(230)(W) (air jet)	750 (745)(L) x 330(310)(W) (arm type)	850 (845)(L) x 410(380)(W) (arm type)
	450 (445)(L) x 165(160)(W) (arm type)	550 (545)(L) x 245(230)(W) (arm type)		
Belt Width	150mm	220mm	300mm	370mm
Product Dimensions	L: 60mm - 310mm W: 30mm - 150mm H: 10mm - 130mm	L: 60mm - 420mm W: 30mm - 220mm H: 10mm - 130mm	L: 80mm - 500mm W: 30mm - 300mm H: 10mm - 300mm	L: 80mm - 500mm W: 30mm - 370mm H: 10mm - 300mm
Zero Adjustment	Continuous automatic dynamic compensation			
Number of Presets	100	100	100	100
Structure of Waterproof Machines	IP65 Approval			
Printer	Standard	Standard	Standard	Standard
Metal Detector	Optional	Optional	Optional	Optional

Specifications	DACS-W-180-SB/PB, WP-N (CTS)	DACS-W-300-SB/PB, WP-N (CTS)	DACS-W-500-SB/PB, WP-N (CTS)
Model	DACS-W-180-SB/PB, WP-N (CTS)	DACS-W-300-SB/PB, WP-N (CTS)	DACS-W-500-SB/PB, WP-N (CTS)
Weighing Range (**)	180g - 18kg	300g - 30kg	500g - 50kg
Weighing Speed (Max)(*)	84 WPM	50 WPM	18 WPM
Weighing Accuracy (*)(***)	± 2.0g	± 10.0g	± 10.0g
Minimum Graduation	1.0g	5.0g	5.0g
Control Unit	12.1" Colour Touch Screen Display		
Weigh Cell	Double-Beam strain gauge loadcell in a new design		
Weigh Conveyor (mm)(**)	650(L) x 450(W)	800(L) x 500(W)	1100(L) x 600(W)
Reject Conveyor (mm)(**)	800(L) x 450(W) (push-plate)	800(L) x 500(W) (push-plate)	1100(L) x 600(W) (push-plate)
Belt Width	400mm	450mm	550mm
Product Dimensions	L: 210mm - 590mm W: 50mm - 450mm H: 50mm - 450mm	L: 210mm - 740mm W: 50mm - 500mm H: 50mm - 500mm	L: 210mm - 1040mm W: 50mm - 600mm H: 50mm - 500mm
Zero Adjustment	Continuous automatic dynamic compensation		
Number of Presets	100	100	100
Structure of Waterproof Machines	IP65 Approval		
Printer	Standard	Standard	Standard
Metal Detector	Optional	Optional	Optional

Note: Specification subject to change without notice.

(*) Varies according to product shape and condition (**) Depending on local weights and measures regulations (***) Figures in brackets refer to waterproof version

DACS-H Range

Specially designed to meet the challenges of fresh food hygiene

All the accuracy and reliability you expect from Ishida

Using sensitive, reliable Ishida loadcells, and fitted with a special DSP (Digital Signal Processing) chip and Anti Floor Vibration (AFV) technology, the DACS-H range makes no compromises on speed and accuracy.

Taking the most stringent washdown routines in their stride

Built to IP66 specification using waterproof, corrosion resistant materials, all models have smooth, easy-wipe contours and an open, easy-access structure for fast, effective cleaning.

Total 'no-tool' approach to changeovers

Key parts, including belts and reject arms, can be rapidly removed and replaced by hand.



Easy operation promotes error-free checkweighing

Production data, graphs and histograms are presented on a large, user-friendly graphic display. Up to 100 presets can be programmed for fast, simple changeovers.

Options

- A quality printer is standard on all three models
- Fully integrated, high performance metal detectors
- Interfaces with data capture systems, multihead weighers or other equipment for optimum production line performance
- Feedback control
- Random checking software
- Reference weight renewal software

Specifications	DACS-H-012-SB/CR-I	DACS-H-030-SB/CR-I	DACS-H-050-SB/CR-I
Model	DACS-H-012-SB/CR-I	DACS-H-030-SB/CR-I	DACS-H-050-SB/CR-I
Weighing Range (**)	12g - 1200g	30g - 3000g	50g - 5000g
Weighing Speed (Max)(*)	175 WPM	160 WPM	130 WPM
Weighing Accuracy (*)	± 0.7g	± 2.0g	± 3.0g
Minimum Graduation	0.1g	0.5g	1.0g
Control Unit	Flourescent Graphic Display		
Weigh Cell	Double-Beam strain gauge loadcell		
Weigh Conveyor (mm)	445 (L) x 220 (W) 345 (L) x 220 (W)	545 (L) x 300 (W) 445 (L) x 300 (W)	545 (L) x 370 (W) 445 (L) x 370 (W)
Reject Conveyor (mm)	545 (L) x 220 (W)	745 (L) x 300 (W)	745 (L) x 300 (W)
Belt Width	220mm	300mm	300mm
Product Dimensions	L: 80mm - 410mm W: 30mm - 220mm H: 10mm - 130mm	L: 80mm - 390mm W: 30mm - 300mm H: 10mm - 300mm	L: 80mm - 490mm W: 30mm - 370mm H: 10mm - 300mm
Zero Adjustment	Continuous automatic dynamic compensation		
Number of Presets	100	100	100
Structure of Waterproof Machines	IP66 Approval		
Printer	Standard	Standard	Standard
Metal Detector	Optional	Optional	Optional

Note: Specification subject to change without notice.

(*) Varies according to product shape and condition (**) Depending on local weights and measures regulations

DACS-Z (Zenith)

Fastest weighing speed you can get, with phenomenal accuracy

Boost productivity with the highest possible weighing speeds

Now Ishida has harnessed force balance technology, to create the 600wpm DACS-Z. No faster checkweigher is available today.

Attain 100% pack consistency

With Ishida's new VVDFi Digital Filter technology, eliminating noise and external interference, accuracy is to within ±0.02g (DACS-Z-006). Even the slightest weight deviation will be detected, increasing compliance while reducing giveaway.

Speed up changeovers too!

The latest Ishida easy-clean frames and smooth contours make for faster cleandown, with conveyor removal and replacement being quick-release, snap-back.

Specifications	DACS-Z-006-SB/SS-I	DACS-Z-030-SB/SS-I
Model	DACS-Z-006-SB/SS-I	DACS-Z-030-SB/SS-I
Weighing Range (**)	6g - 600g	30g - 3000g
Weighing Speed (Max)(*)	600 WPM	400 WPM
Weighing Accuracy (*)	± 0.02g	± 0.1g
Minimum Graduation	0.01g	0.05g
Control Unit (RCU)	12.1" Colour Touch Screen Display	
Weigh Cell	Electromagnetic force balance	
Weigh Conveyor (mm)(**)(Small)	153 (L) x 100 (W)	250 (L) x 220 (W)
(Medium)	253 (L) x 150 (W)	345 (L) x 220 (W)
(Large)	353 (L) x 150 (W)	495 (L) x 300 (W)
Reject Mechanism	Air blast or drop belt reject	
Belt Width	100mm (S) 150mm (M&L)	220mm (S&M) 300mm (L)
Product Dimensions (mm) Length	46-120 (S) 46-220 (M) 46-320 (L)	58-120 (S) 76-320 (M) 76-450 (L)
Width	20-100 (S) 20-150 (M&L)	20-220 (S) 20-300 (M&L)
Height	10-180	10-180
Zero Adjustment	Continuous automatic dynamic compensation	
Number of Presets	100	100
Structure of Waterproof Machines	IP30 Approval	
Options	USB camera, printer, metal detector	

Note: Specification subject to change without notice.

(*) Varies according to product shape and condition (**) Depending on local weights and measures regulations

