The DACS-GN Series utilizes unique and proprietary technology to deliver unbeatable checkweighing accuracy and speed. Data management via computer and easy operating controls boost productivity and line efficiency.

The advanced technology of DACS-GN checkweighers improves the performance of any production line in any manufacturing environment.

New D-HOP-LC high-output digital load cells feature enhanced sensitivity over conventional models. The load cell's rigid design allows weight to stabilize quickly, ensuring faster weighing speeds.

ISHIDA's highly sensitive and durable electromagnetic balance weighing sensor has a maximum capacity of 600 packages/min and a minimum graduation of 0.01 g. The system is ideal for checkweighing pharmaceuticals, industrial products, and other items requiring accurate high-speed inspection.

Midship layout improves responsiveness at high speeds. Ishida's unique design positions the weighing sensor in the center of the weighing mechanism. This layout optimizes the balance of weight placed on the sensor to enable faster, more accurate weighing.

AFV (Anti Floor Vibration) mechanism reduces weighing errors caused by vibration from the floor. A highly sensitive load cell detects and eliminates noise from floor vibration and other factors that influence accuracy, significantly reducing weighing errors.

New 3D digital filter performs optimal noise elimination. The best filter pattern is selected according to the size of the target, conveyor speed, and target weight to ensure more effective elimination of noise.

Weighing sensor Sophisticated design delivers superior performance

*For load cell model only

Ultra high accuracy Force-Balance sensor

New high-output digital load cell sensor

DACS-GN Series

Weighing conveyor

Floor vibration

Data of noise from floor vibration

Weight data

Weighing sensor

AFV cell

Concept of AFV

Max. speed varies with the product's length.

Max. speed varies with the product's length.

0.01 g

0.05 g

BPM

MAXIMUM SPEED

MINIMUM GRADUATION

BPM

MAXIMUM SPEED

MINIMUM GRADUATION

600

440

Weight range versatility

Multi-range weighing capacity allows one checkweigher to satisfy a wide variety of product sizes and speeds.

GN-S015 Series 600 g (0.05 g) 1500 g (0.1 g)

GN-S060 Series 3000 g (0.2 g) 6000 g (0.5 g)

GN-S300 Series 15 kg (1 g) 30 kg (2 g)

GN-S600 Series 15 kg (1 g) 30 kg (2 g) 60 kg (5 g)
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Sophisticated design delivers superior performance

New high-output digital load cell sensor

![Image of DACS-GN Series](image)

**MINIMUM GRADUATION**

- **0.05 g**

**MAXIMUM SPEED**

- **440 BPM**

New D-HOP-LC high-output digital load cells feature enhanced sensitivity over conventional models. The load cell’s rigid design allows weight to stabilize quickly, ensuring faster weighing speeds.

*Max. speed varies with the product’s length.

Weight range versatility

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- GN-S015 Series 600 g (0.05g) ⇔ 1500 g (0.1g)
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- GN-S300 Series 15 kg (1g) ⇔ 30 kg (2g)
- GN-S600 Series 15 kg (1g) ⇔ 30 kg (2g) ⇔ 60 kg (5g)

Ultra high accuracy Force-Balance sensor

![Image of Ultra high accuracy Force-Balance sensor](image)

**MINIMUM GRADUATION**

- **0.01 g**

**MAXIMUM SPEED**

- **600 BPM**

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New 3D digital filter

![Image of New 3D digital filter](image)

performs optimal noise elimination. The best filter pattern is selected according to the size of the target, conveyor speed, and target weight to ensure more effective elimination of noise.

AFV (Anti Floor Vibration) mechanism

![Image of AFV mechanism](image)

reduces weighing errors caused by vibration from the floor. A highly sensitive load cell detects and eliminates noise from floor vibration and other factors that influence accuracy, significantly reducing weighing errors.

Midship layout

![Image of Midship layout](image)

improves responsiveness at high speeds. Ishida’s unique design positions the weighing sensor in the center of the weighing mechanism. This layout optimizes the balance of weight placed on the sensor to enable faster, more accurate weighing.

*For load cell model only
User-friendly operation and data management

7-inch color LCD screen with command dial
Select programs and quickly access operator controls by simply turning the command dial while watching the wide color screen. The new control panel provides intuitive operation, reducing production loss due to operator errors while lowering operator training costs.

The command dial signal lamp enables the operational status of the system to be easily checked, even from a remote location.

Standard USB slot
Weighing data can be saved on a USB memory stick or computer. All weighing data can be exported in Microsoft Excel format.

Monitoring and data managing system i-STATION LINK 2 (optional)
i-STATION LINK 2 is Ishida’s proprietary data collection and viewing system. It collects weighing data on a computer and displays real-time production adjustment and line management. This keeps you up-to-date with operation conditions from the office and allows you to use weighing data for analyzing production status from a host computer.

Supporting safe and reliable production

Integrated Test Mode
At any time - without stopping production - the operator can enter Test Mode to check the accuracy and sensitivity of the metal detector (MD) integrated with an ISHIDA DACS-GN checkweigher. This function prevents the test procedure from disturbing the productivity of the line.

* Metal detector check is available on ISHIDA MD combo unit only.
All models in the DACS-GN Series have stainless steel bodies that are durable, easy to clean, and compliant with HACCP and GMP standards to facilitate plant sanitation procedures.

**Durable, sanitary design**

All stainless steel construction
Stainless steel bodies provide superior corrosion resistance, and promote fast and thorough cleaning.

Open frame design
The stainless steel open frame design with circular pipe legs prevents unsanitary build-ups of dirt and product, and provides convenient access for cleaning.

Waterproof construction with IP69K rating
Superior waterproof design can withstand high pressure washing with hot water at 80°C (176°F). Suitable for use in meat, dairy, and seafood processing applications, and other demanding environments.

Dislocation Force Limiter for sensor protection
ISHIDA’s proprietary Dislocation Force Limiter dissipates the impact when external loads exceed a maximum threshold, preventing damage to weighing sensors.

**Designed for flexible operation**

- **Adjustable belt surface height**
  Belt height can be adjusted to one of four settings.
  - 500 to 550mm
  - 600 to 700mm
  - 750 to 900mm
  - 950 to 1100mm
- **Switch weighing capacity and minimum graduation**
- **Switch between grams and ounces**
- **Metal detection**
  Combination checkweigher/metal detector units provide additional quality control in one space-saving system.

**System options**

- **Twin Cell Model**
- **Printer**
  A printer attached to the control unit provides hard-copy data of shift production.
- **Feedback Control**
  Corrective control signals from the checkweigher to an upstream auger filter improve production efficiency.
- **Standard Weight Range Update**
  Automatically updates standard weight range according to the current average proper weight, ensuring that inspections are not affected by fluctuations in product weight.
- **Random Checks**
  A single checkweigher can conduct product inspections for mixed lines that have products of different sizes, weights, and shapes.

*Various options are available. Please ask Ishida distributors.*
Fail-safe prevention of inspection errors

Enhanced Fail-Safe
Even if a rejecter breaks down, Fail-Safe rejects all products out of the system so that NG products do not get mixed in with the OK products and pass through.

Support function reduces human error

Pre-production inspection guidance
The start-up procedure and regular maintenance check-points are guided on the display to reduce human errors and promote a standard procedure.

User account and operation log management
User log in and operation logs are automatically saved. This prevents improper operation by unauthorized persons and manages a safer production line.

Simple set-up improves productivity

Easy preset settings
Preset registration for products is made easier with one-screen guidance, making set-up simple and accurate for all operators.

Batched preset setting
Information input into a computer beforehand can be transferred through a USB to the DACS-GN. It will reduce the load onsite especially when there are a variety of products.

Adjustable settings on-the-fly
Settings can be altered during operation, reducing influences from machine adjustments to a minimum and contributing to a more stable manufacturing environment.
Flexible system configuration for use on any production line

The DACS-GN Series features a variety of customizable system options including weighing sensors, weighing capacity, conveyor size, remote control, and durability specifications. Select the optimum product configuration for your production line.

System Options

Construction
- Non-waterproof IP-30
- Waterproof IP-69K*

Weighing sensor
- Load cell
  - Max. 440 packages/min
  - Min. graduation 0.05 g
  - Capacity (Multi-range)
    - 600 g (0.05 g) → 1.5 kg (0.1 g)
    - 3 kg (0.2 g) → 6 kg (0.5 g)
    - 15 kg (1 g) → 30 kg (2 g)
    - 15 kg (1 g) → 30 kg (2 g) → 60 kg (5 g)
- Force balance
  - Max. 600 packages/min
  - Min. graduation 0.01 g

Rejector lineup
A variety of rejection systems are available to suit different products and production lines.

Conveyor size
(Unit: mm)

<table>
<thead>
<tr>
<th>Length (mm)</th>
<th>100</th>
<th>160</th>
<th>240</th>
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<td>650</td>
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</tr>
</tbody>
</table>

* High-grade waterproof construction available for DACS-GN-S015, S060.

Rejection Systems:
- Arm Rejeter
- Air Jet Rejeter
- Drop Belt Rejeter
- Drop Up Belt Rejeter
- Fin Rejeter
- Drop Flap Rejeter
- Push Plate Rejeter

Max. 600 packages/min
Min. graduation 0.01 g

Select the optimum product configuration for your production line.
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**Max. speed varies with the product's length.**

<table>
<thead>
<tr>
<th></th>
<th>GN-S015 Series</th>
<th>GN-S060 Series</th>
<th>GN-S300 Series</th>
<th>GN-S600 Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight range</td>
<td>600 g (0.05 g)</td>
<td>3000 g (0.2 g)</td>
<td>15 kg (1 g)</td>
<td>15 kg (1 g)</td>
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<tr>
<td></td>
<td>1500 g (0.1 g)</td>
<td>6000 g (0.5 g)</td>
<td>30 kg (2 g)</td>
<td>30 kg (2 g)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>60 kg (5 g)</td>
<td></td>
</tr>
</tbody>
</table>

*MINIMUM GRADUATION*  
g0.01  

*MAXIMUM SPEED*  
BPM  
600  

Weight range versatility
Multi-range weighing capacity allows one checkweigher to satisfy a wide variety of product sizes and speeds.