ISHIDA

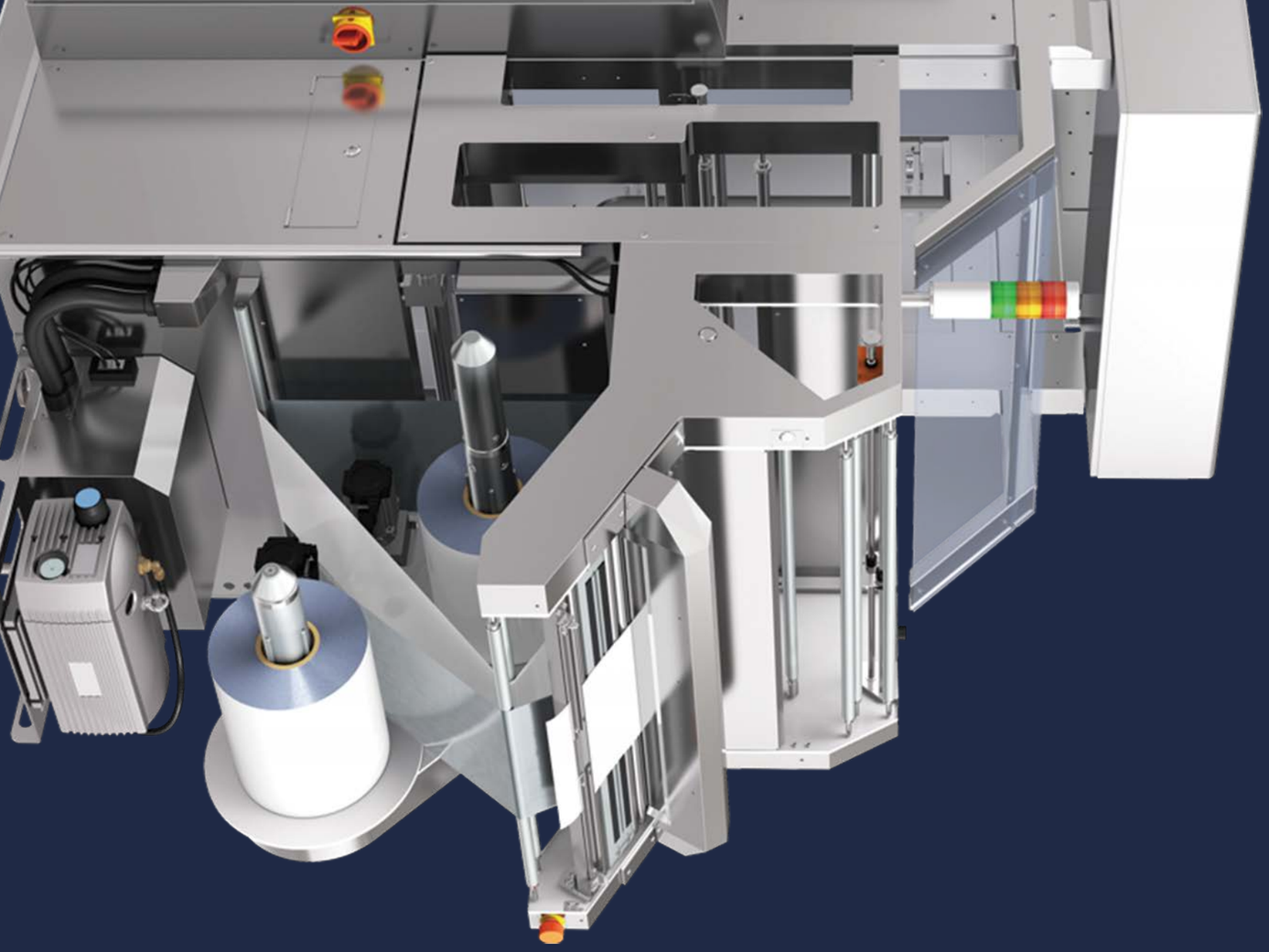
Snack Food Packaging Solutions

Delivering a competitive edge at every stage of production









Snack Food Packaging Solutions

A complete range of solutions to meet snacks market challenges

Ishida's snacks equipment is not just aligned with current trends, it's engineered to anticipate them. Whether it's regulatory compliance, sustainability, or operational agility, Ishida offers a future-ready platform for snack manufacturers navigating the complexities of today and beyond.

1. Geopolitical Disruption & Supply Chain Volatility

- Recipe presets + automated set-ups ensures rapid reconfiguration when switching SKUs and materials
- Flexibility to switch ingredients, formats, and materials quickly

Ishida's modular systems and rapid changeovers capabilities allow manufacturers to adapt production lines swiftly when faced with supply chain disruption.

2. Cost Pressures & Efficiency Demands

- Multihead weighers reduce product giveaway
- Integrated lines streamline operations and minimise downtime
- Energy-efficient designs help lower operational costs

Ishida's AS-Series multihead weighers and INSPIRA bagmakers reduce product giveaway and energy use. Features like Auto Adjustments, Autosplice, and Automatic Air Fill minimise waste and downtime.

3. Regulatory Tightening

- Equipment compatible with recyclable and compostable materials
- Smart factory integration supports traceability and digital labelling

INSPIRA bagmakers are compatible with eco-friendly materials and designed to reduce film waste, nitrogen use, and energy consumption.

4. Consumer Demand for Variety & Health

- Smart automation enables fast changeovers
- Precision portioning supports nutritional claims and consistency

Ishida's high-speed changeover capabilities and gentle handling features support short runs and delicate ingredients.

5. Digital Transformation

- Equipment integrates with smart factory platforms
- Enables data-driven decision-making and operational optimisation

Ishida's Sentinel 5.0 platform enables real-time monitoring, remote diagnostics, and automated adjustments across the line. This supports predictive maintenance and regulatory reporting.

6. Labour Shortages

- Operator-friendly interfaces and automation features reduce operator errors
- Remote diagnostics and support tools reduce downtime and training needs (Sentinel 5.0)

Operator-friendly interfaces (e.g., 15.3" touchscreen, icon-based controls) and automated setup features reduce reliance on skilled labour and minimise human error.

A wide range of solutions backed by snacks expertise

Ishida Europe offers you the latest advanced equipment and expertise, together with the guidance and support you'd expect from a true partner with decades of relevant successful experience in the snacks sector.



INSPIRA Range

High-speed, fully automated bagmakers with smart adjustments to reduce downtime, improve seal quality, and cut film waste.



Auto Quality Optimisation
Ensuring consistent, high-quality packaging through intelligent feedback, self-adjusting systems

Sustainable Production
Minimising waste and energy consumption for environmentally responsible packaging solutions

Labour Saving
Streamlining operations to reduce manual intervention and optimise workforce efficiency

Enhanced Efficiency
Maximising productivity with advanced technologies for seamless packaging processes

Defect Reduction
Implementing precise control and detection systems to minimise downtime and extend machine life

Easy Maintenance
Designing for quick, simple maintenance to minimise downtime and extend machine life

User Friendly
Creating intuitive interfaces and ergonomic designs for comfortable, stress-free operation

	RD model	RS model	CS model	NS model
Motion	Rotary motion, Double jaw	Rotary motion, Single jaw	Box motion	Intermittent motion
Speed	Ultra-high speed	Medium/High speed	High speed	Medium speed
	Up to 250bpm	Up to 125bpm	Up to 160bpm	Up to 120bpm
Film	Continuous film feeding	Continuous film feeding	Switchable for continuous and intermittent film feeding	Intermittent film feeding
	Standard film	Standard film	Thick film	Thick film
Formats	Pillow pack style	Pillow pack style	Multiple pack styles	Multiple pack styles

*Maximum running speed is subject to change depending upon the products, product volume, packaging material and product in-feed condition.

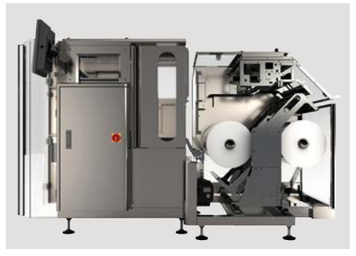
INSPIRA Automation Features

Automating for sustainable production and Optimised Quality.



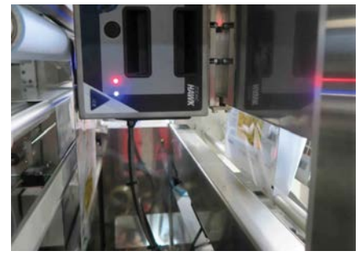
Automatic Air Fill

Optional with rotary jaw seal models, Automatic Air Fill is a leaner solution for ensuring optimal pack inflation. Instead of relying on manual labour, the solution uses pneumatically-controlled deflator plates, to manage air fill and adjust pack thickness automatically.



Autosplice

Autosplice is an optional feature that automatically heat-seals separate film reels together to deliver continuous production. The Autosplice allows for safer and quicker film reel replacement, minimising downtime and reducing errors caused by operator set up.



Automatic Print Position Adjustment

The INSPIRA can be upgraded to an automatic system that will remember the correct and precise print position and automatically adjust on each preset change. This avoids printing errors and potential customer complaints to your retailers. The system works in conjunction with a print position roller, using a stepper motor to drive the printer into its correct position.



Automatic Film Alignment

By adding film edge sensors to the INSPIRA the machine is capable of correcting any misalignment before the film reaches the former. The sensors continually monitor the edge of the film, ensure all film is properly centred for bagmaking without manual adjustment and film waste.



Automatic Registration Mark Adjustment

The INSPIRA is configurable with a stepper motor to automatically move the reg mark sensor into the correct position, as defined by each pack preset. This enhancement overcomes potential human error, resulting in reduced film waste and unplanned downtime.



Automatic Former Roller Adjustment

Another automation option available on the INSPIRA is the former roller positioning, using a stepper motor to drive the former roller into the correct position for perfect film tension over the former. This feature is linked to the preset to eliminate operator errors, so you can avoid incorrect tension that can cause creases, pleats, tucks and open back seals affecting the customer overall pack quality.

INSPIRA Autosplice Range

Minimising downtime, reducing film waste.

Our Autosplice (ASP) range now includes two models:

Revolver

- Fully automated with revolving spindles
- Requiring minimal operator input
- Near continuous film feed - faster reel changes
- Reduced operator error - greater uptime and safety



INSPIRA Revolver

Compact

- A cost-effective, space-saving solution
- Continuous film feed - faster reel changes
- Reduced operator error - greater uptime and safety



INSPIRA Compact

ATLAS B Range

Mid-tier bagmakers deliver reliable performance and efficiency ideal for expanding operations needing speed and value.



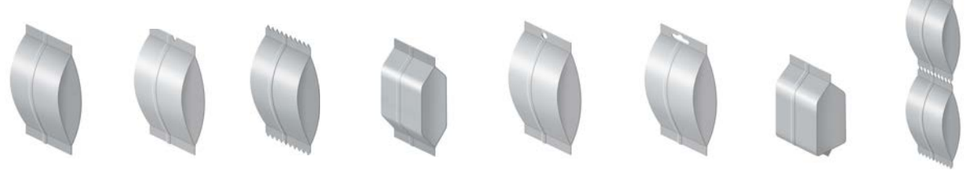
Accurate seal every time

Four distinct mechanisms give you a perfectly sealed pack every time: the pull-down belt for perfect tension, the backseal unit for a smooth vertical seal, the stripping device to clear excess product and reduce waste, and the sealing jaw for a fast, accurate seal.

- High speeds up to 200 bags per minute
- Available with rotary jaw technology
- Quick film changeovers and centring
- Touch screen controls for simple operation
- Reduced film waste thanks to advanced stripping design

A wide range of pack formats

For future proof operations the INSPIRA and ATLAS bagmakers can handle the widest variety of product, pack, and films, including sustainable packaging, whilst maintaining excellent seal quality and integrity.



Pillow bag

Pillow bag with V CUT

Pillow bag with zig zag cut

Gusseted (party pack) bag

Pillow bag with hole punch

Pillow bag with Euroslot

Block bottom gusset

Chain bag

TSC-AS

High-speed leak detection for bags containing dry products.

Automated seal integrity testing for every bag, ensuring quality, reducing rework, and improving process control.

The Ishida TSC-AS seal checker is designed to receive packs directly from the bagmaker checking for any possible leakage caused by defective sealing.

This same unit is also checking for incorrect pack inflation, discarding any defective packs which would otherwise continue further into the production process.

Operating in-line and using a non-destructive method of pack testing any leakage down to the equivalent hole size of 3mm will be detected at speeds of up to 150bpm.

With the ever-increasing requirements for robust quality control, the Ishida TSC-AS seal checker is designed to meet these demands, avoiding costly product recalls.

High speed
Inspection speeds up to 150 packs per minute

Full compatibility
Can be installed into a line with all brands of case packers and bagmakers

Easy Changeover
Servo driven height adjustment (Optional) for in-feed belt and conditioning heads allow automatic product changeover at a touch of a button



Ishida TSC-AS

The TSC-AS Series offers a modular design with flexible configurations, including incline and horizontal in-feed to meet individual layout requirements.

ACP-700 Series

Advanced functionality provides solutions to workforce shortages.

Labour-saving case packers that automate end-of-line packing with precision and flexibility.

Ishida`s automatic case packing systems (ACP) require minimal operator intervention which improves productivity particularly for short product runs that may require several product changes per shift.

A highly efficient and compact system, case erecting and closing mechanisms are fully integrated, removing the need for additional conveyors and thereby creating an all-in-one case packing solution from one single supplier.

High speed, high quality
A fully integrated system providing continuous and reliable high-speed packaging regardless of operator skill level

Supporting a wide range of products
Ability to handle a wide variety of bag types and packing formats to meet the requirements and demands of an ever-changing market

Easy Changeover
Product changeover is initiated at the touch of a button. This process is completely automatic and performed without the requirement of a skilled technician in under 3 minutes



Handling and packing a wide variety of sizes, formats and styles

The ACP-700 series of case packers is capable of handling bags between 108 and 330mm in width and up to 375mm in length with many different bag types, including pillow, side gusset, flat bottom and HEM. These can be packed into various configurations and orientations to suit customer requirements without the need to change machine parts. Storage of up to 500 presets are available allowing for fast and efficient changeover.

Pack formats



Vertical form
Fill seal bag (pillow)



Horizontal form
Fill seal bag (pillow)



Gusset bag

Pack patterns



Standup Major



Standup Minor



Multiple Layer



Side pack (option)

Non-RRP cases Maximum 10 cases/min**

*Speed is dependent on packaging orientation and case size

**Retail Ready Packaging

Case closing variation



Tape Sealing

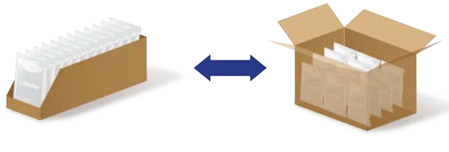


Slide lock (option)



Push lock (option)

One button changeover
Ability to switch from conventional case to RRP case in under three minutes



RRP model case rate capability



Maximum 20 cases/min

*Speed is dependant on packing orientation and case size

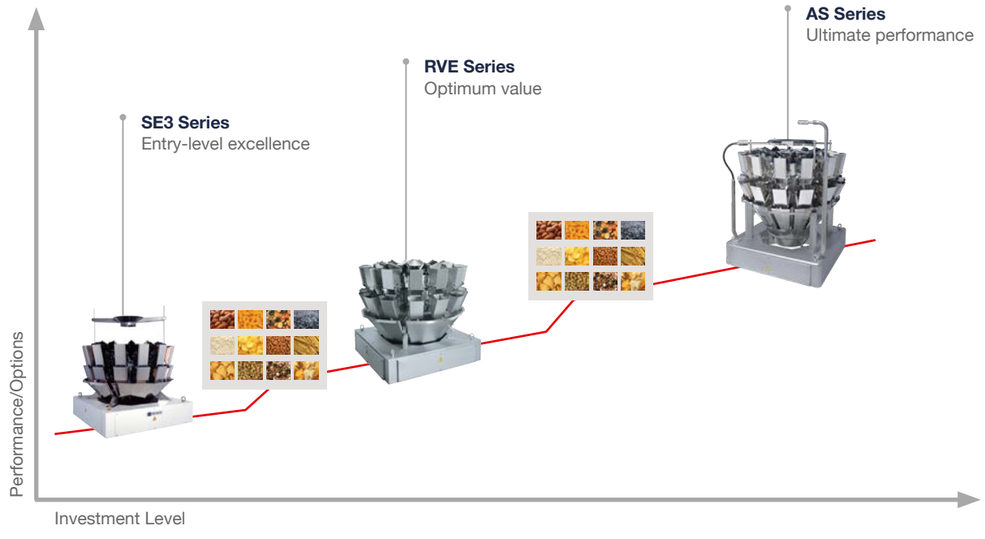
CCW-AS Multihead Weighers

Fast, accurate weighing systems that integrate seamlessly with bagmakers for consistent product flow and minimal giveaway.

- High technology as standard – for very high speeds, precision and accuracy
- A range of solutions from 14-18 heads, 2.0 to 3.0L hopper size
- Offers bespoke solution to satisfy customers' individual high performance needs
- Market-leading Return on Investment
- Experience-led snack solutions to ensure the best performance possible for your product and application



"Whatever your needs, Ishida has a solution to match"



Joined-up thinking is smarter thinking

> Real-time performance monitoring and predictive maintenance to keep your line running at peak efficiency.

Seamlessly combining cutting-edge data analytics, artificial intelligence, and forward-thinking innovation, Sentinel 5.0 builds on the proven success of previous Sentinel systems to unleash the power of joined-up-thinking.

Specifically designed to empower food manufacturers, Sentinel 5.0 helps streamline operations, reduce costs, and maximise production efficiency like never before. Whether you choose Sentinel Local or Sentinel Cloud, you'll benefit from a tailored solution that fits your business needs perfectly.

- **Paperless e-marking proof of compliance and HACCP management**
  To reduce downtime and manual intervention
- **Industry 5.0 technology and adaptive AI**
  For clear data-driven decision making
- **24/7 monitoring and proactive maintenance**
  For faster servicing and reduced downtime
- **Third-Party Connector**
  For integrating other equipment seamlessly
- **Remote production monitoring**
  For increased throughput and greater efficiency
- **Customisable Dashboards**
  For simple, user-friendly operation
- **Whole line intelligence**
  For improved product safety and inter-machine optimisation
- **Modular design**
  Allows tailoring to a customer's specific needs



Full line integrated snacks system

> All systems are engineered to work seamlessly together, creating a fully connected, automated packaging line that maximises throughput, reduces manual intervention, and supports long-term sustainability goals.

The full line of snack equipment is designed to perform with minimal operator intervention. By using the pre-configured pack preset information, the functionality of the snacks system is defined, and the integrated automation features ensure each element of the system is correctly set up to deliver the optimum performance.



For every challenge, there's Ishida

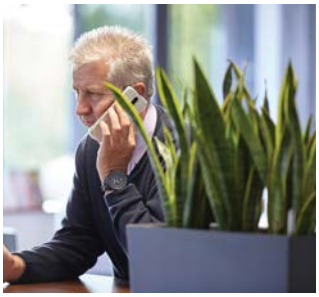
Want to cut food and packaging waste, and reduce costs? Find minute foreign objects and big performance gains? Discover smarter ways to significantly reduce product giveaway?

We've been turning questions into answers for 130 years, which means we have all the product solutions, sector expertise and proven know-how you need.

Trust Ishida

The most important question and the one we answer every day. Providing more compelling reasons for you to put your trust in us.

- Full range of weighing, x-ray inspection, checkweighing, tray sealing, packing and leak detection equipment, plus supporting software
- Fast and efficient installation, aligned to your specifications
- Built to the highest industry standards and powered by the latest technology, including advanced AI
- Specialists in both food and non-food applications
- Complete flexibility from a single machine to a fully integrated line solution
- Solutions fully tailored to your sector and your products
- Dedicated parts and servicing support, with 24-hour delivery in most cases
- Expert training online or at your site
- Dedicated engineers on call 24/7/365









Helpline Spares Service Training

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