

# INSPIRA

Inspired engineering,  
inspired by you





Snack Food Bagmaker

# INSPIRA series

Ishida has unrivalled bagmaking experience in the snack foods sector, developing the technology of sealing with both rotary and intermittent motion jaws.

In our quest to innovate and provide better solutions than before, Ishida created the INSPIRA bagmaker, to offer industry-leading results for almost every possible type of snack food pack format and film material.

## Continuous improvement, based on listening to customers

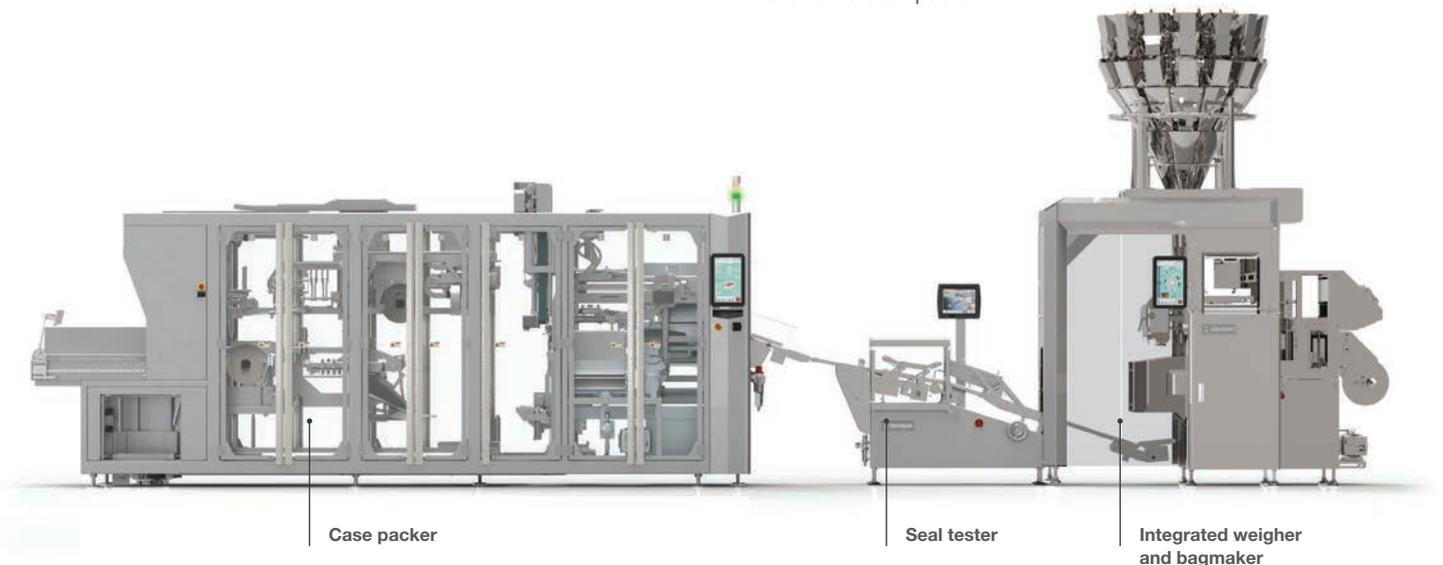
Ishida makes a life-long commitment to customers, closely monitoring the performance of their ground-breaking products in demanding market and factory conditions around the world, and offering appropriate support. Careful observations, listening to our customers and examining performance data helps to fuel the creativity of our development teams, to improve our solutions.

Snack food technology is driven by the need for the highest product quality possible at increasing productivity levels. This in turn drives us, to create solutions for for food manufacturers that deliver consistent high-speed performance, and is what has led to the development of our next-generation bag maker, the INSPIRA.

## Single source supplier

Unrivalled knowledge of high performance snacks solution from a single source supplier, allowing customers to create a complete, integrated packing line including:

- ▲ Multihead weighers
- ▲ Bagmakers
- ▲ Seal testers
- ▲ Checkweighers
- ▲ X-Ray inspection systems
- ▲ Automated case packers





Accessibility



Easy maintenance

### Stable operation

The chassis on which the INSPIRA is built is a new, open structure which allows better access to critical parts of the bagmaker for maintenance and cleaning purposes, which in turn reduces down-time.

- ▲ Smooth surface of the pull down belts increases the vacuum strength to the film, maintaining stable film feed
- ▲ Large size bags are easily produced with the increased seal jaw opening

### Accessibility

The machine structure has been redesigned to make operations simpler and to enhance operator productivity.

- ▲ Easier forming tube loading and unloading
- ▲ Splice table light-bar allowing for better visibility during film splicing
- ▲ Simpler film loading due to re-designed reel holder
- ▲ Reduced rollers allowing for simpler and faster film change

### Automatic adjustment

A new level of automation ensures consistency in production and helps to reduce human error.

- ▲ Automated centering and tension adjustment of the film
- ▲ Auto-splice film management \*Option
- ▲ Product-in-seal detection located at the jaws
- ▲ Pack print verification \*Option
- ▲ Automatic optimisation of nitrogen flow
- ▲ Automatic positioning of the former roller
- ▲ Automated air-fill technology \*Option

### Environmental-friendliness

Thanks to new and improved belt materials, the vacuum power needed for film control has been reduced by 25%. As a result, by comparison with earlier models, power consumption has been reduced by 24.8% in standby mode and by 16.8% during operation (these figures apply to the Intermittent motion version). This has been accompanied by a noise reduction of 20.7db during production.

By shortening the path of the film from printer to jaw, the new design helps to reduce film waste.

# The new INSPIRA bagmaker range offers you:

- ▲ Higher productivity across all sealing motions
- ▲ Improved sealing jaw positioning thanks to the latest motor and drive technology
- ▲ Wider choice of bag sizes: minimum pack width 50mm
- ▲ Improved user-friendly human-machine interface
- ▲ Increased environment-friendliness, with less noise, energy usage and film waste
- ▲ New corrosion-resistant body structure

Some of the many bagmaker improvements, inspired by customer feedback, are embodied in the INSPIRA bagmaker range.

250bpm

Top industry performance\*

20.7db

Reduce noise levels\*\*

304

Corrosion resistant stainless steel body

16.8%

Less power used during operation\*\*

24.8%

Less power used on standby\*\*

25%

Reduction in vacuum needed to hold film

500

Presets available for fast changeovers

50mm

New minimum bag width

50kg

New maximum film reel weight

15.3"

New, intuitive machine interface

4

Fewer film path rollers, for easier feed

1

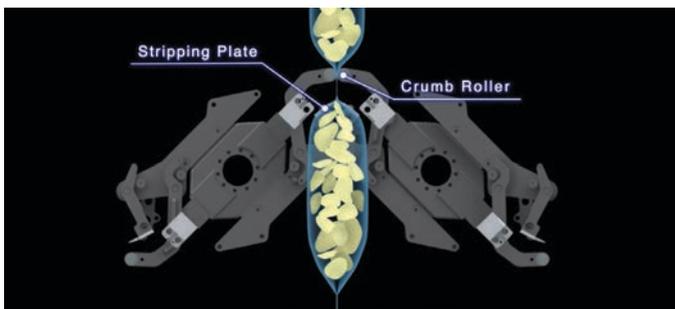
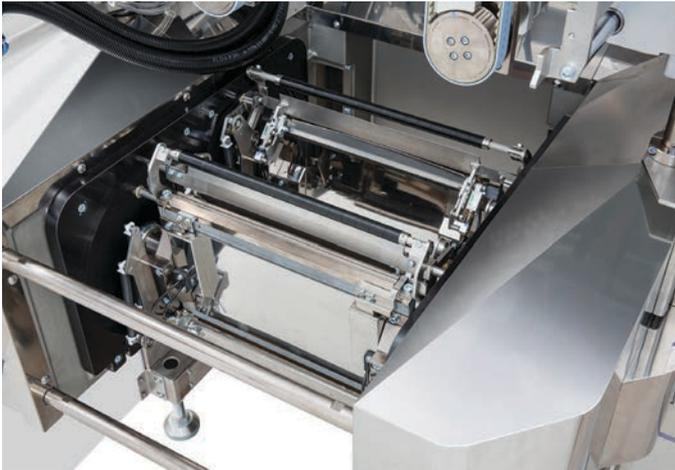
Single source for entire packing system

\*Achieved by INSPIRA rotary motion model

\*\*Refers to tests on INSPIRA intermittent motion model

# INSPIRA bagmaker range

INSPIRA, as the next-generation range of VFFS bagmakers, is available with both types of sealing technology.



## Rotary-motion

The rotary-motion bagmaker delivers mechanical speeds of up to 250 bags/min, the maximum achievable within a snack food environment whilst maintaining high quality pack output.

In automated air-fill technology, INSPIRA adjusts the air fill automatically for optimum case packing based on the feedback result from the TSC seal tester which monitors the bag air fill. (This function is optional.)



## Intermittent-motion

The intermittent-motion machine offers a consistent, market-leading performance for this mode of forming/sealing of up to 120 bags/min.

During the sealing process, the seal jaw pushes the bag up to widen the available space and allows the product to settle into the bottom of the bag easily.

# Working with you every step of the way

Our extensive R&D investment is directed at meeting the challenges of the fast-changing food industry around the globe.

We aim to support our partners fully, from the very start of the buying process, and you will find many equipment brochures, visual animations and case studies available on our website. When you are ready to make contact, a well-resourced network of Ishida companies, distributors and agents, extending across the world, can provide advice and organise demonstrations and trials.

Installation is rapid and efficient. For integrated packing lines, we use proven project management techniques and methodologies, tuned to your key objectives and specifications.

A dedicated service engineering team helps to maximise the performance, functionality and reliability of our installed base. In addition, spares facilities are strategically placed throughout the territory, offering 24-hour delivery in most cases.



helpline • spares • service • training



**ISHIDA CO., LTD.** [www.ishida.com](http://www.ishida.com)

44 Shogoin Sannocho, Sakyo-ku,  
Kyoto, 606-8392, Japan  
Tel: +81 (0)75 751 1618 Fax: +81 (0)75 751 1634



**HEAT AND CONTROL, INC.** [www.heatandcontrol.com](http://www.heatandcontrol.com)

21121 CABOT BLVD. HAYWARD, CA 94545-1132 USA  
Phone : 1(800)227-5980 1(510)259-0500 Facsimile :1(510)259-0600  
info@heatandcontrol.com