

# Inspira

Snack Food Bagmakers



# Inspira

Ishida has built up unrivalled bagmaking experience in the snack foods sector, developing the technology of sealing with both rotary jaws and intermittent motion jaws. Each approach has its strengths and together they enable Ishida, as a single-source supplier, to offer industry-leading results for almost every possible type of snack food bag format and film material.

Now Ishida is launching Inspira, the next-generation range of VFFS bagmakers, with models of both types of sealing technology.

## Continuous improvement, based on listening to customers

Ishida has always been closely involved with the detailed use of its ground-breaking products in demanding market and factory conditions around the world. What our engineers observe and what our customers tell us combine to produce a vital source of data, fuelling the creativity and new ideas of our development teams. An important lesson is that snack food technology is driven by the need for quality product at increasing productivity levels. This in turn demands equipment that is easier to use correctly while continuing to deliver consistent high-speed performance. A factor of increasing concern to industry and public alike is the environmental footprint of new methods and equipment.

## Inspira: a new structure, a new level of accessibility

The 'chassis' on which Inspira machines of both types are built is a new, open structure that makes access to important parts of the bagmaker quick and easy, with minimum operator effort. Its highly stable, frame-based design makes it possible to simplify many operations which, in a less rigid structure, would typically require fine adjustments.

The human-machine interface (HMI) of the new range has also been redesigned to make operations simpler and to enhance operator productivity.



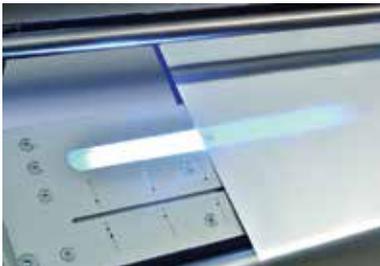
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The new, open Inspira structure gives operators easy access to all important parts. Changing a forming tube has been made particularly simple, involving locating one corner on the support frame and swinging the former around the location pins until it locks into place.



The large touchscreen, with its familiar, icon-based presentation, is part of an enhanced 'visual management' strategy designed to improve operator productivity.



Dedicated LED lighting within the splicing table makes the operator's task easier by allowing the quick and precise location of the registration mark needed to achieve an accurate film splice.

## Whatever the bag type, Inspira will maximise your speed

An Inspira rotary-motion bagmaker delivers mechanical speeds of up to 250 bags/min, the maximum achievable within a snack food environment. An intermittent-motion Inspira machine offers a consistent, market-leading performance for this mode of forming/sealing of up to 120 bags/min.

Performance has been improved by a factor of 10 for both intermittent and rotary models by the introduction of new motor and drive technology to improve positional jaw control at the point of sealing.

## Bag quality: a basis of continuing success for any snack brand

Even before the introduction of Inspira, Ishida snack food bagmakers were known for the quality of bags produced, including the excellent back seals achieved by rotary band technology.

Inspira takes this further. A new level of automation reduces the opportunity for human error, helping to consistently produce perfect bags.

### This includes:

- Automated centring and tension adjustment of the film
- Auto-splice film management
- Product-in-seal detection located at the jaws
- Pack print verification
- Automated air-fill technology
- Automatic optimisation of nitrogen flow
- Automatic positioning of the former-rollers

## Making it easier for operators to be more productive

The following features of the Inspira range help operators to act and react more rapidly and intuitively, and to avoid complex decision-making and unnecessary physical exertion.

- Intelligent visual management with clear event communication
- Intuitive human-machine interface via a 15.3" touch screen
- Better machine accessibility for operation and maintenance
- Error-free forming tube insertion and removal
- Splice table light-bar for easier, faster film splicing
- Simpler, 'finger-safe' loading of film reel
- Film feed is simpler, with fewer rollers
- 500 presets available for programming 'instant' product or film changes
- Altering a preset on one screen automatically brings all integrated Ishida equipment into line, helping to speed up changeovers



## Kinder to the environment, and to factory staff

Thanks to new, improved belt materials, the vacuum power needed for film control has been reduced by 25%. As a result of this and other advances, 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. In addition, by shortening the path of the film from printer to jaw, the new design helps to reduce film waste.



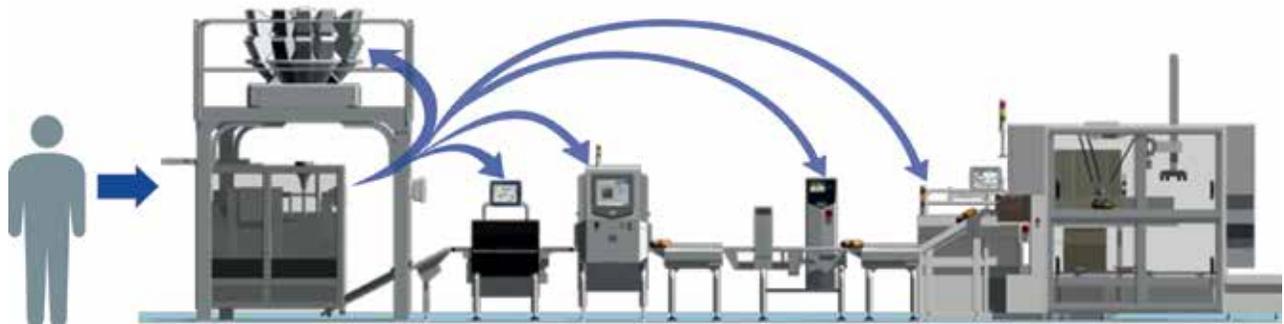
## Putting your production data to profitable use

Bagmakers generate important data that can help you monitor and plan production. With the optional Ishida Sentinel remote machine monitoring system you can collect information from Inspira bagmakers and other Ishida machines at any site, in formats and reports that will readily integrate into your decision-making processes.



## Taking the Ishida reputation for durability a stage further

Over a period of time, constant exposure to seasoning materials can combine with cleaning regimes to cause some degree of corrosion. The Inspira bagmaker's 304 stainless steel body is designed to overcome this risk of corrosion over the lifetime of the machine.



# The new Inspira bagmaker range offers you:

- Top speed and productivity, whichever mode of sealing your bags require
- Advanced automation, reducing the chance of human error
- Improved sealing jaw positioning thanks to the latest motor and drive technology.
- New, open frame structure for easy access to jaw area
- Rigid structure, reducing the need for fine adjustment by the operator
- Wider choice of bag sizes: minimum bag width reduced to 50mm
- Wider choice of film reel weights: maximum now 50kg
- Improved, more user-friendly human-machine interface
- Increased environment-friendliness, with less noise, energy usage and film waste
- New corrosion-resistant body structure
- A single supplier with dedicated knowledge and solutions across your complete, integrated packing line
  - Multihead weighers
  - Bagmakers
  - Seal testers
  - Checkweighers
  - X-Ray inspection systems
  - Automated case packers

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

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

\*Achieved by Inspira rotary motion model

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



## 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 Europe, the Middle East and Africa, 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 pan-European 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.



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