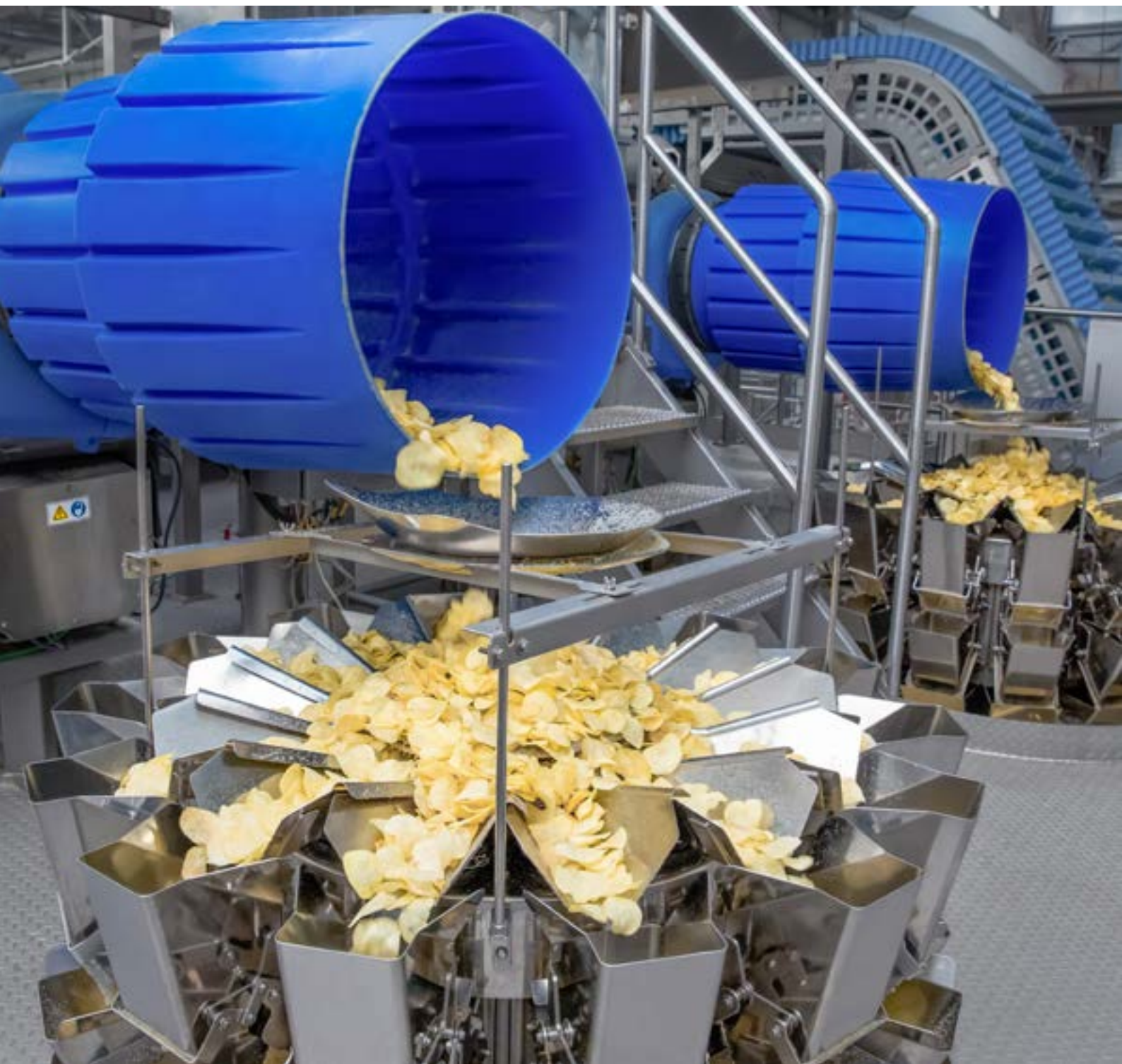


Snacks Processing and Packaging Solutions

www.hcisnacksolutions.com



Introduction to the Ishida and Heat and Control global alliance.

The Global Ishida and Heat and Control alliance acknowledges today's environment of increased machine automation and system integration. With our combined 200 years of experience in the snacks industry, together we offer complete integrated snacks solutions to producers worldwide.

Stronger Together

Why choose a Heat and Control-Ishida snacks solution?

One stop source

Our customers have been asking for a one-stop solution and this alliance will support all their ambitions to decrease running costs and increase productivity. Their entire snacks lines will now be managed by one single source supplier, from unloading raw product to case-packed product ready for shipping.

Full line solutions

We are able to deliver full, bespoke snacks solutions that perfectly match your chosen applications and production goals. Heat and Control, global suppliers of snacks processing and seasoning solutions, and Ishida, global manufacturers of snacks weighing, packaging and quality control solutions, can achieve this in combination.

Shared innovations for greater efficiency

Our shared focus is on innovations in processing and packaging, to help you operate faster, more accurately and more efficiently than ever before. All producers can benefit from our innovations in food manufacturing. No producer is too big or too small, too niche or too broad.

We believe in pushing the boundaries of what is possible and exploring every new idea. For snacks solutions that demonstrate progress, excellence and finesse, look to the future of snack food manufacturing in the Heat and Control-Ishida alliance.

Our integrated solutions

Regardless of project scope, our partnership promises unparalleled manufacturing quality and performance backed by years of experience and technical resources from around the world, from the industry leaders in their respective fields.

1. Productivity

Get ahead of your competition with the latest factory 4.0 technology. Monitor line performances, minimise downtime and increase efficiencies on the go.

2. Food safety

Invest in machinery for hygiene, to protect the quality of your products and the end consumer from a growing list of contaminants and foreign bodies.

3. Labour

Reduce labour costs and optimise your output speeds with the next generation of automation.

4. Value

It all comes down to the bottom line. Choosing a single source supplier can minimise downtime, maximise OEE and get the best of every single machine on your line.



Celebrating 125 years in providing innovative weighing, packing and quality control solutions for multiple food sectors worldwide, Ishida are committed to making a producer's ideal production line a reality. As the designers of the world's first multihead weigher, Ishida set a trend for global food production engineering that has endured to the present day, branching out to bring new ideas to food production and beyond.



Heat and Control are now in their 68th year of trade worldwide, innovating new methods for processing, frying and seasoning food products to as high a standard as possible. Heat and Control pioneered the use of heat exchange technology in frying and continue to create machinery with inventive new ideas to stay at the forefront of our industry.

The solution

Heat and Control and Ishida have endeavoured to not only meet the expectations of snacks producers worldwide, but to constantly innovate and improve their snacks solutions, so you can deliver the highest quality products to your customers as quickly as possible.



1. Preparation

Taking a product from the farm to the factory used to require separate processes. Snacks producers can now integrate the preparation of snacks products with processing and packaging, faster and more efficiently than thought possible. From unloading and storage, peeling, washing, slicing and more.



2. Frying systems

- Uniform oil heating for evenly cooked products
- Ease of access for cleaning
- Heavy duty construction for high volume continuous production
- Advanced circulation system reacts quickly to changes in product load
- Oil management systems



3. FastBack® conveyors

- Clean conveying
- Gentle product movement reduces product breakage
- Ends product segregation, seasoning loss and pan build-up
- Eliminates unscheduled sanitation downtime
- Low 70dB operation



4. Coating & seasoning

Our seasoning and coating solutions offer you the full breadth in flavour application methods, however your product tastes. From spraying and glazing, to rotating drums and on machine applicators, there is a seasoning model to fit all lines. From flavour drum applicators, Revolution Seasoning systems, Spray Dynamics applicators and In-Kitchen Applicators.



5. Multihead weigher

- High speed multihead weigher
- Low product giveaway making daily production savings
- Multiple advanced weighing calculations
- Ease of operator use with touch screen control



6. Bagmaker

- High speed continuous motion bagmaker
- Best in industry pack appearance
- Low waste levels at high speed with product stripping of the sealing area
- Integration with Ishida's high speed multihead weigher for a single source system



7. Checkweigher

- High speed check weigher solution for snacks lines
- Ensures factory pack quality and accuracy
- Integration into Ishida's Data Capture System for accurate analysis
- Ease of cleaning with hygienic design



8. X-ray

- Bulk product or box X-ray solution for snack products
- Non-destructive test for metal and non-metal contaminants in final packaged products
- In production testing verification for maximising line efficiency



HEAT AND CONTROL

Preparation and processing systems

Processing systems

Heat and Control is your best single source supplier of complete systems for the highest quality products - from raw to packaged product, our complete systems produce high quality natural potato chips, corn and tortilla chips, roasted nuts, and other snacks, plus taco shells, corn tortillas, and tostadas. Our snack preparation and processing machinery leads the industry in technology and innovation.

Since 1950, our innovation in automated equipment designs have increased the capacity, efficiency and reliability of snacks production. From truck unloading of raw potatoes through preparing, cooking, seasoning, weighing and packaging of finished product, our expertise is unsurpassed in the snack food industry.

Design | Engineering | Manufacture | Installation | Commissioning
Operator Training | Post Sales Service | Spare Parts | R&D and Testing



Preparation and processing systems



HEAT AND CONTROL

FastBack

SPRAY
DYNAMICS

Coating and conveying solutions

Product handling solutions

To enable full integration between all machines, and create a fluid snacks production line, our product handling solutions bridge the gaps. Maintaining complete automation from start to finish, and allowing for multiple processes to occur at one station, our conveyors ensure your products move efficiently from machine to machine with minimal giveaway.

Seasoning and coating solutions

The options of flavours in snacks continues to grow, with innovations in recipes and food technology giving consumers even greater variety. Our seasoning and coating solutions offer you the full breadth in flavour application methods, however your product tastes. From spraying and glazing, to rotating drums and on machine applicators, there is a seasoning model to fit all lines.

Coating and conveying solutions





Weighing and packaging systems

The world-leading snacks brands have long trusted us to provide reliable systems that combine speed and accuracy for an efficient packaging solution. Our multihead weighers and bagmakers are specifically designed to work together to produce perfect packs ready for shipping at up to 300 bags per minute.

iTPS

The fastest packaging solution available on the market, our Integrated Total Packaging System (iTPS) combines our revered RV-Series Multihead weigher with the next-generation Inspira bagmaker, for reduced waste, unmatched speeds and improved yield.

First Range

Ideal for entry-level producers and smaller production lines, the First Range system combines the SE-Series Multihead weigher with our Astro or Atlas bagmakers for an impressive rate of 100 bags per minute.

ACP-700 Case Packer

Our all-in-one case packer can be fully integrated into any snacks production line, ready to portion, pack and seal. The ACP-700 proves end-of-line solutions can be quick and efficient, with options of over 500 presents to suit your shipping requirements.



Weighing and packaging systems



Quality control and inspection solutions

Quality control is the key difference in how efficient your production line truly is. Our high-standard quality control and inspection machinery will drastically improve your yields by inspecting with pinpoint accuracy, all while maintaining production speeds.

IX Series X-ray

The IX series is our innovative range of Ishida X-ray inspection systems. Utilising innovative technology, the IX series is capable of differentiating foreign bodies from products to an impressive granularity, including complex applications such as nuts and seeds.

DACS Checkweighers

By checking the weight of a packed product to a fine increment, the Ishida DACS Checkweigher series is able to give accurate quality control without damaging or interfering with the pack.

TSC Seal Testers

By applying gentle pressure to packed products, the TSC Seal Tester can properly check seal integrity as well as detect leaks across the pack through measuring air pressure, all while preserving the packed product.

Quality control and inspection solutions



Controls and data solutions

As we progress towards Industry 4.0, Ishida and Heat and Control can offer the cutting edge in automation and data sharing technology, making use of cognitive computing and cloud-based data systems in order to boost your production line by reducing labour and increasing value.

HEAT AND CONTROL

New Horizon

Heat and Control has combined intuitive interfaces with automated line integration, to create a controls system that fully powers a production line from an operator's fingertips.

- Full line visualisation of every machine operated by New Horizon, for simple maintenance in the factory.
- Reduced set up times, down times and manual inference makes for improved overall performance and increased product yields.



Ishida Sentinel

A central system for complete remote connectivity to your production line, the Ishida Sentinel gives real-time reporting on individual machine performance, allowing us to give immediate support and response to potential inefficiencies.

- Communication via email, telephone and video available with Ishida engineers at all times during production.
- Automatic data compiling and reports for all key performance indicators, accessible from anywhere at any time.



Controls and data solutions

Keeping up with the latest snack innovations



Always at your service.

Demonstrations

Test your products, evaluate our equipment under simulated production conditions, and discuss your project with experienced application engineers who understand your objectives.

Custom engineering

We offer innovative solutions to today's processing and packaging challenges of higher speeds, greater efficiencies, and lower operating costs. For that one-of-a-kind product or plant layout, we can supply custom built equipment to your exact requirements.

Project management

Our quality machinery is engineered and manufactured for all day production in the harshest processing and packaging environments. Project managers monitor the progress of your job, keeping close contact to make sure specifications and on-time delivery are met.

Technical support

Convenient access to regional sales and service centres assures our customers get quick and accurate responses to technical and spare parts inquiries. Our reputations for excellent customer service is unmatched in the industry.

Training courses

Every year we train thousands of engineers, operators and quality assurance people. This training offers more than just a first rate teaching/learning expertise. It is firmly embedded in engineering excellence, commercial competitiveness and applications experience gained from working successfully with thousands of customers, from start-up companies to major food manufacturers, across the world.



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