

POV 31

vol.

ISHIDA'S POINT OF VIEW

June 2017

Interpack 2017

New Product

**Total Packaging System
for Snack Food**

High Speed Automatic Case Packer

News

ISHIDA Indonesia 5th Anniversary

Column

**10 Tips To Select
The Right X-ray System**

“ Interpack 2017 brought the world’s biggest and most important trade fair of the packaging sector and related process industries record attendance of 2,865 companies, was followed by trade fair days from 4 to 10 May with high spirits. 170,500 visitors from a total of 168 countries travelled to Düsseldorf, Germany to attend the show. ”

FASTER, SMARTER,

At Hall 15 Stand A25/26 ISHIDA exhibited more than 30 machines by four solutions areas: weighing, inspection, snacks and fresh. Thanks to many meaningful meetings, we received around 1,000 leads and we are very excited to work with customers all around the world. In this article we would like to show some of our solutions.

LINEAR SEMI-AUTOMATIC MULTIHEAD WEIGHERS FOR STICKY (FRESH) PRODUCTS

- Ideal for fresh meat, poultry, seafood, dried fruit as well as coated or fragile fresh and frozen products.
- Cuts giveaway to less than 1% of pack weight and reduces labor costs by typically three operators per shift.
- Speeds of 20 - 60 wpm (shown here with 6-head model @ 30 wpm).
- Compact dimensions ideal for factories with space or height restrictions.



TOP RANGE INSPECTION SYSTEM FOR PRE-PACKED FRESH FOOD

- NEW IX-GN X-ray inspection system offers the highest performance for foreign body detection.
- Protects your customers and brand against steel, aluminum, tin, glass, stones, rubber, Teflon or PVC.
- Highly robust checkweigher with patented dislocating force limiter protects the loadcell from factory and operator damage.
- Offers maximum flexibility in the range of product sizes, speeds and reject options available.
- ISHIDA AirScan uses laser technology to identify leaks of CO₂ in MAP packs, detecting holes of just 0.25mm @ up to 180 packs/min!



IX-GN



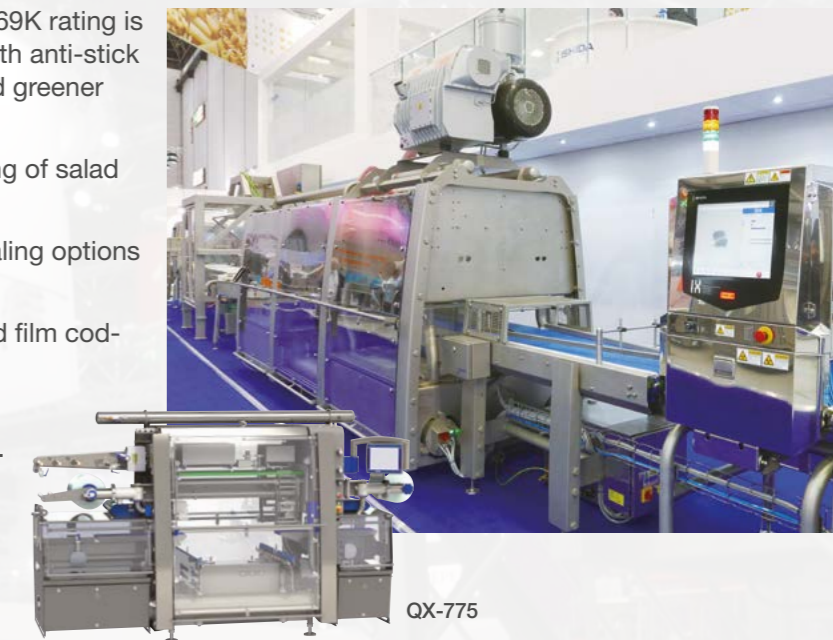
AirScan



TOGETHER

HIGH PERFORMANCE TRAY PACKING SYSTEM FOR SALAD

- Fixed high specification salad weigher with IP69K rating is packed with advanced electronic and fitted with anti-stick contact parts for a smarter, faster, tougher and greener operation.
- Rotary salad filler: automatic filling and tamping of salad into pre-formed trays with minimum spillage.
- QX-775-Flex tray sealer offers high quality sealing options with excellent presentation.
- Unique tool redundancy feature and integrated film coding, gas mixing and gas analyzing.
- All line elements from a single source, fully integrated for maximum efficiency and reliability.
- Significant savings in labour, ergonomics, downtime and consumables.
- Speed: up to 50 trays / min.



QX-775

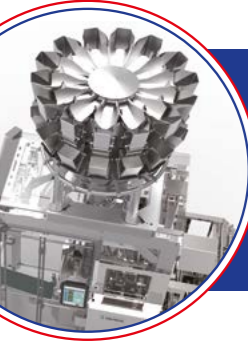
HIGH PERFORMANCE TWIN SNACKS PACKING SYSTEM

- Unique 18-head multihead weigher delivers optimum weight control with minimum footprint.
- NEW INSPIRA rotary bagmakers offer unsurpassed levels of performance and pack quality.
- Bagmaker operation at only 75dba.
- NEW Integrated sealtester with force balance checkweigher achieves high speed pack weight and fill level control solution.
- ACP-611 casepacker offers unmatched casepacking ergonomics.



INSPIRA

From next page, let's take a closer look at this new high performance twin packaging system which made the world's first debut at this exhibition.



“ISHIDA offers new iTPS – ISHIDA Total Packaging System featuring new generation bagmaker INSPIRA as well as CCW-RV multihead weigher, TSC seal tester, DACS checkweigher and ACP case packer are integrated into a complete, single-source control system.”

ENHANCEMENT LINE PERFORMANCE

The packaging lines in a factory are in most cases made up of machines of individual and different manufacturers. Operators and engineers responsible for the packaging line must have often encountered the difficulty of finding out the causes of defect, getting the targeted results or increasing the production efficiency. It may be mainly because of the insufficient adjustment of machine interface. Even though each machine equips the best specification and works in good condition respectively, the production efficiency of total packaging line may not reach the sufficient productivity. The iTPS eliminates such trouble and inconvenience.

HIGH EFFICIENCY AND PRODUCTIVITY

New iTPS is the first ISHIDA twin-tube direct mounting packaging system that achieves high-speed, high-accuracy and stable product feeding.

The unique 18-head multihead weigher and the twin rotary motion bagmaker are designed to be able to handle high-speed production running up to 150 bags per minute on single lane and 300 bags per minute on both lanes. In addition, different bag sizes and different products can be produced simultaneously on each side of the system, so flexible production is possible according to the production schedule. The cost of a support frame for the multihead weigher is unnecessary since the dedicated one is originally included.

SIMPLE TURN-KEY SOLUTION

Performance from multihead weigher to packaging machine is checked and controlled by seal tester and checkweigher. The seal tester checks the thickness of the bag and sends the data to the bagmaker so that the bagmaker has a revolutionary feedback system that automatically adjusts the thickness of the bag during operation. Results of performance are proofed on the 15.3 inches large and high visibility touch panel screen. The easily comprehensible graphical icons displayed make it readily accessible and easy to operate. This system clearly minimizes operator effort, which reduces training cost.

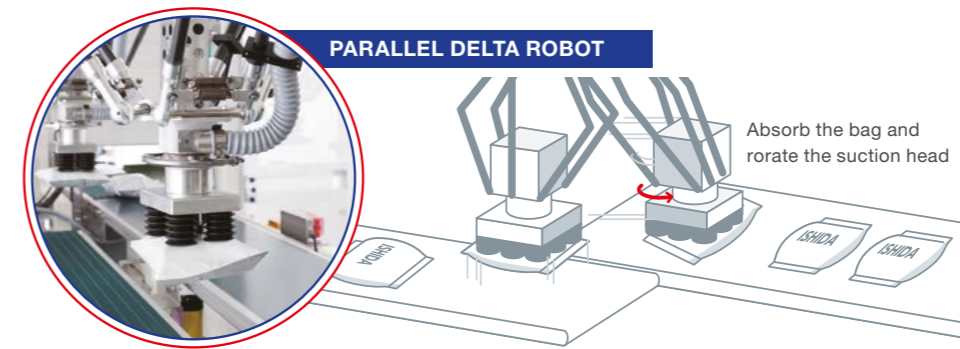
These will reduce production loss and contribute to increased productivity, so it will enable early realization of return on investment. Please acquire the total solution for the packaging line equipped with latest cutting-edge technology from one-stop-shop supplier.



“ACP-611 automatic case packer offers high-speed and flexible case packaging with supplying bags laid down in cartons. This improves production efficiency by automating the process that is manually packed in a conventional manner.”

PARALLEL DELTA ROBOT

The twin parallel delta robot means it is capable of handling speeds up to 160 bags per minute. Thanks to the freely moving four arms, you can handle various case patterns. The suction head connected to the parallel arms to grasp the bag and quickly place it in the predetermined pack pattern.



INTEGRATED CASE ERECTOR

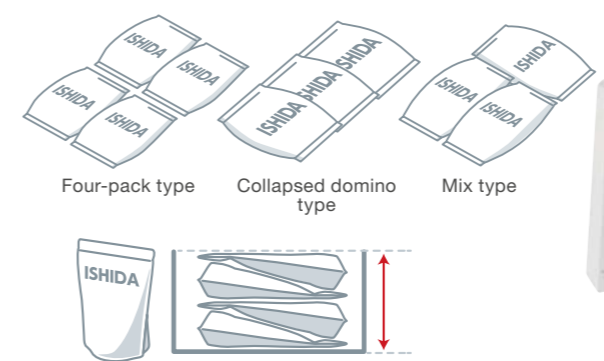
The twin delta robot case packer includes integrated case erector which automatically makes a case from a flat carton sheet and tapes the bottom of the carton. It contributes for space saving and flexibility to switch between case patterns and pack sizes.

AUTOMATIC ALIGNMENT

ISHIDA designed bag posture sensing system that uses 30 LED photoelectric sensors check each bag for correct orientation and spacing. If a slant bag comes in, the parallel arm grasps it and places it in the appropriate position with correcting the orientation. No camera is required and therefore varying ambient light conditions are not an issue.

The ACP-611 represents ISHIDA's continued commitment to develop effective solutions to the full packaging line system requirement of snack foods industry.

PACK PATTERN SAMPLE



The perfect pack pattern for stand-up pouches efficiently uses carton space.





ISHIDA INDONESIA 5TH ANNIVERSARY

--- FURTHER GROWTH AND DEVELOPMENT WITH NEW DIRECTOR ---

ISHIDA opened representative office in Jakarta, Indonesia in 2011 as a pioneer of other comprehensive manufacturers of weighing, packaging and inspection equipment. In the following year 2012, we switched to a subsidiary to expand customer support, and continue to support sales and service activities in the country.

Recently, Mitsutaka Yoshida became a new full-time director. He has had sufficient experience and achievements as a sales representative in the Southeast Asia region so far, he will take over the foundation of a stable company that Takashi Imanaka, former full-time director has made and will continue to make efforts for customers in Indonesia with further expansion.

“MITSUTAKA YOSHIDA”

New Full-time Director

"As a strong partner to improve production efficiency and enhance quality control, PT ISHIDA Indonesia will keep boosting customer satisfaction through high level of technology boasting the world's top level in weighing, packaging and inspection fields and experiences cultivated in many countries over the years. Indonesia is vibrant and robust country with stable and steadily growing economy, we will continue to grow and develop the market in cooperation with our local distributor CV FPM Solutech."



“TAKASHI IMANAKA”

Part-time Director

"I returned to Japan after finishing my 6 year work at PT ISHIDA Indonesia from 2011 and assigned to the Corporate Planning section / Group Management & Administration early May. Taking this opportunity, I would like to express my deepest appreciation for all the support and cooperation you have extended to me. Traffic in Jakarta is still terrible and have not resolved yet, but MRT and the new highway that will open in a few years will greatly change the economy and society. I would greatly appreciate your continued support and cooperation to PT ISHIDA Indonesia and Mitsutaka in the years to come."



10 FACTORS TO CONSIDER IN SELECTING AN X-RAY INSPECTION SYSTEM FOR YOUR FOOD PRODUCTION REQUIREMENTS

The decision to purchase X-ray inspection equipment can be daunting for food producers. After deciding what product the machine will handle and the function the machine will be responsible for, there are still a number of important factors to consider. Read on for a quick run-down of the top 10 considerations when choosing an X-ray inspection system.

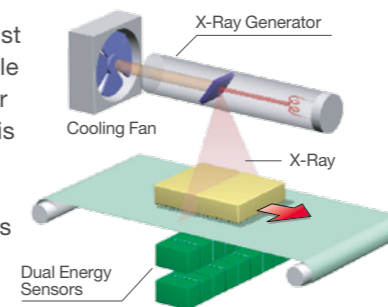


1. GENERATORS

Within an X-ray machine, the generator produces the X-rays that are transmitted through the product and foreign bodies. The higher its specifications, the better the machine's performance – and the greater the quality of inspection.

2. LINE SENSORS

While most machines just have one sensor, multiple sensors, provide greater contrasting images – this is useful in applications such as poultry, where there are low differences in density between the product and the foreign body.

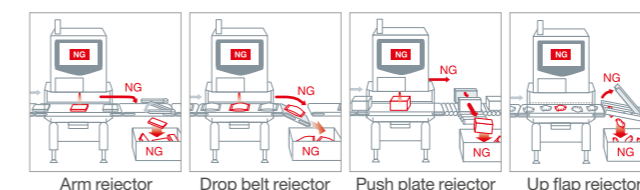


3. PIXELS

Just as you get pixels in digital cameras, you'll find them in line sensors. The more and smaller the pixels, the better the resolution.

4. REJECTION

The size and weight of your products, as well as how fast you want to make the inspection process, will factor into your decision. Either way, this mechanism is vital for getting rid of bad products.



5. CERTIFICATION

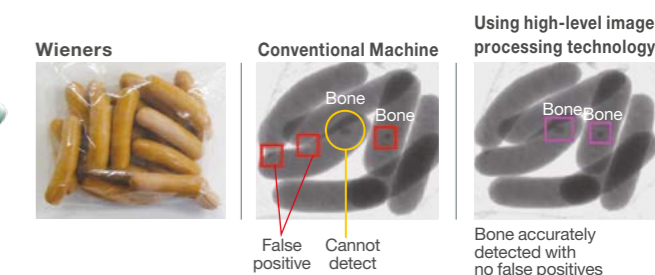
There is a case that a notification or a registration to government agency is required on importing or installing X-ray units. Guidelines depend on the country, please ask to ISHIDA local office for details.

6. SOFTWARE

This has a huge impact on the internal adoption of X-ray technology. You should ask how easy the machine is to use and how quickly the pre-sets can be set up?

7. IMAGING SOFTWARE

We've all seen those grainy X-ray images that might show a foreign object...possibly? When the density of the product and foreign body are close, machine hardware can struggle, however software can be then used to enhance images.



8. APPLICATION SUPPORT

The results from X-ray inspection are dependent on the objects imaged. So, it's important to work with an organisation that knows your sector, and can help you align your equipment to your application.

9. TRAINING

While X-ray systems are not complex to understand, training is essential to build the knowledge to use them safely and compliantly.

10. COST OF OWNERSHIP

Ultimately, you get what you pay for. It's important to assess which type of X-ray will suit your needs, along with the quality of the support, available training and the provision of ongoing service maintenance, before making a decision.

LIFE IN VIETNAM

Keisuke Kawazoe has started his life in Vietnam from 2016 in ISHIDA Vietnam. He says every day is full of new findings and this Southeast Asian country has many features to attract foreign people. This time we would like to hear his story focusing on business and his team.



BUSINESS

After the decades from the end of Vietnam War the government initiated Doi Moi policy on 1986. It was the top-down market reform of economic liberalism and this "big bang" transformed a stagnant peasant economy into a vibrant, market-driven, capitalist system. The apparent and sudden swelling of ranks of petty entrepreneurs produced a boom in local markets and the emergence of 'street front capitalism' in urban areas. Since then the foreign investment has increased and many foreign companies have entered into Vietnamese market including food segments. The market has grown dramatically and as of now some agricultural product export are world #1 such as pepper, rice, etc.

Recent trend is the retail store deregulation, started from 2007 when Vietnam joined WTO. In 2017 the government announced that the store with 500 square meters or less will not require authorities' review and this is because the retail market expanded 2.4 times in the past five years and it's expected to be \$179 billion on 2020. In addition to that Vietnam's population is 92 million and the average age is 28, which means this economic growth still continues. Feeling the market growth through my job is of course interesting experience and I'm very pleased to deserve this opportunity.

ISHIDA VIETNAM

ISHIDA's representative office was opened in 2010 and officially uniformed as the company called ISHIDA VIETNAM CO., LTD. on 2012. Nowadays 10 people are working in Ho Chi Minh and Hanoi offices.

Our strategic policy of this year is strengthening of the field support. We hired several assistants and ensured rich stock of spare parts in order to let service team to concentrate on field and satisfy customers. Another policy is to enhance demo machines so that we can test the actual product with customers. On the ground floor of our office, we have multi-head weigher, bag maker, x-ray, and check weigher, as well as retail scales. Our office is 20 minutes from the central area of Ho Chi Minh, so please feel free to visit us any time!



NEXT BIG EXHIBITIONS

• ProPak China	12-14 Jul. 2017 Shanghai, China
• foodpro 2017	16-19 Jul. 2017 Sydney, Australia
• IFTECH FOOD + BEV TEC PAKISTAN	1-3 Aug. 2017 Lahore, Pakistan
• Packplus 2017	3-6 Aug. 2017 Delhi, India
• Pharma Asia	22-24 Aug. 2017 Karachi, Pakistan
• Asia Food Expo	7-10 Sep. 2017 Manila, Phillipine
• Food Safety Japan	13-15 Sep. 2017 Tokyo, Japan
• Propak Myanmar	21-23 Sep. 2017 Yangon, Myanmar



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