

Innovation  
Commitment  
Experience  
Precision  
Knowledge  
Quality  
Performance



### 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.

### Ishida - where else would you look for the world's most innovative traysealer?

- An outstanding record in advanced, ultra-reliable packing machinery
- World-leader in multihead weighing technology
- The world's largest manufacturer of load cells for the packaging industry
- Over 91,000 weighing and packaging machines installed worldwide
- Continuous innovation with over 2000 patents



helpline • spares • service • training



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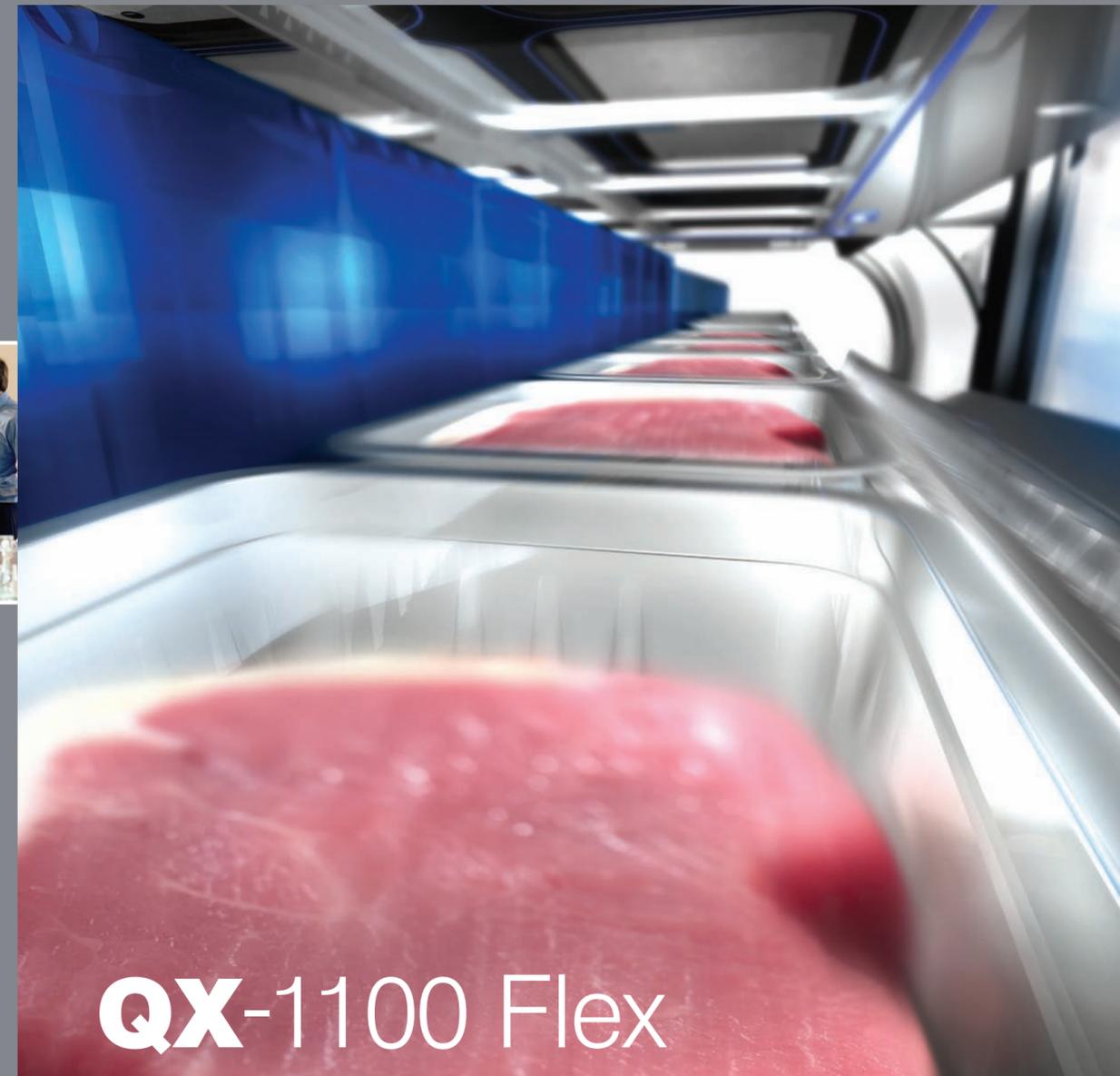
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# QX-1100 Flex

**A revolution in traysealing performance**

# QX-1100 Flex



Ishida Europe has launched the new generation of its market-leading QX-1100 tray sealer combined with a brand new concept for the market. The new range offers both single lane and high capacity twin lane models along with the new split dual lane machine which has the capability to operate two independent lanes at different speeds, enabling companies to run two separate tray sizes, pack weights or products at the same time in one machine footprint.

## The total solution

The QX-1100 forms a central part of Ishida's tray packing line solutions including:

- Tray denesters
- Multihead weighers
- Distribution systems
- X-ray
- Checkweighers
- Seal testers
- Label inspection
- End-of-line packing systems
- Total project management

## The latest in hygienic design

The QX-1100 open design allows easy access for cleaning and maintenance. In particular, self-draining curved surfaces, the absence of exposed cables or motors and easy-to-remove belts and conveyors allow a fast and comprehensive washdown. Quick-release features along with automated tool changing minimise the time required for product changeovers.

Changeovers and washdown can be achieved quickly and safely without the use of hand tools to minimise product contamination and provide a more productive experience for the operator.

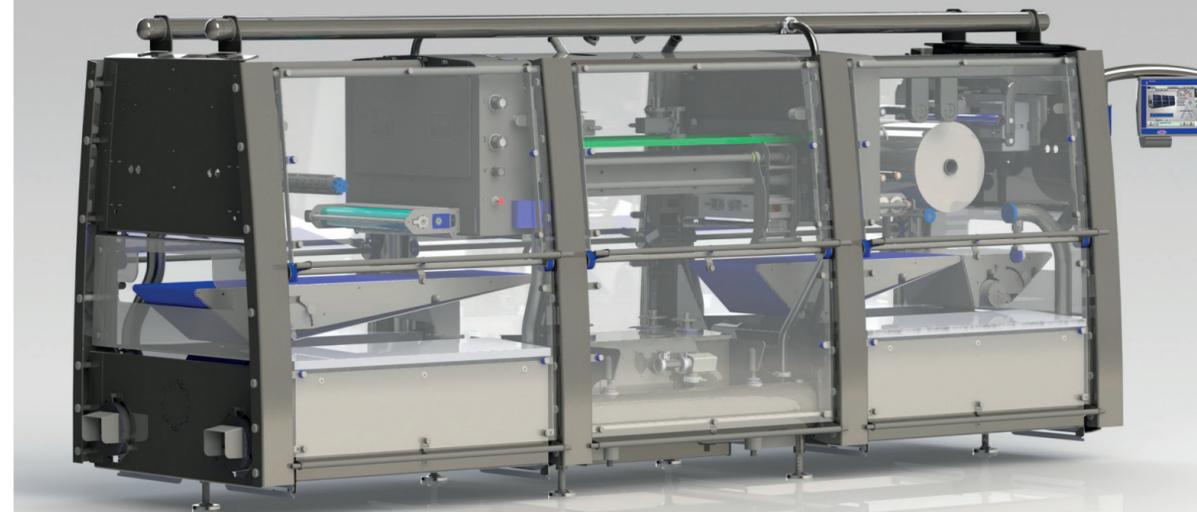
## Increasing flexibility and uptime

Each sealing tool can be designed to suit any application and offers the highest quality pack presentation to suit demanding market requirements. The machine can disable a sealing head in the event of a knife or heater issue. This allows the traysealer to continue running and automatically adjusts the tray feed to suit. The smart belt system will alert operators to out-of-spec packs or misplaced products or trays, enabling corrective action to be taken with no damage to product or sealing tool.

## Delivering high speeds and best pack presentation

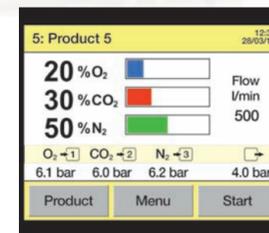
The intelligent machine control includes auto set features along with complete servo driven motions for accurate and consistent tray handling at high speeds up to 15 cycles per minute (with MAP\*) to maximise product throughput. A servo controlled film drive ensures smooth handling of the film and accurate printing for integrated coding systems, while a maximum film reel diameter of 450mm – nearly double the standard reel – delivers longer production runs.

(\*Modified Atmosphere Packaging)



## High returns on floorspace

Through the compact design, speed of changeovers and high capacity of the single and twin lane machines an excellent return on floorspace is ensured. The split dual lane machine goes further and offers up to 50% saving on floorspace when compared to 2 single lane machines.



## Rapid changeovers and washdown

The machine is designed with quick and easy changeovers in mind. Operators can easily change films and sealing tools using automatic and quick release features. A quick and comprehensive washdown is achieved through the quick release conveyors and self draining design. This is particularly useful and efficient for split dual lane applications where product range and production volume fluctuate.

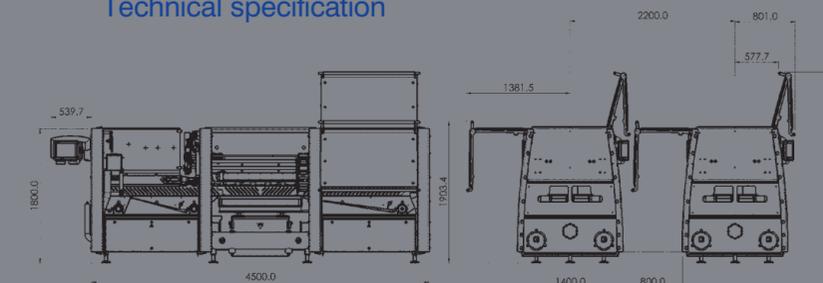
## Integrated gas mixing, analysing and coding

An integrated gas mixing system creates MAP packs, while a gas analyser within the tool samples the gas at every cycle and automatically stops the system if the wrong mix is detected. The servo-controlled film drive ensures smooth handling of the film and accurate printing for integrated coding systems ensuring excellent pack presentation.

## Flexible by design

Using a combination of a smart interface, the latest servo technology and clever mechanical design, the QX-1100 can be optimised to suit all product types, trays and film materials.

## Technical specification



Specifications	QX1100-SL Single Lane	QX1100-TL Twin Lane	QX1100-SDL Split Dual Lane			
Minimum tray size	120mm	120mm	120mm			
Maximum tray width	Outside cut, inside cut and shrink films	400mm	220mm	Outside cut, inside cut and shrink films	195mm	
	Skinpack	250mm	Skinpack	195mm	Skinpack	170mm
Maximum tray height	130mm	130mm	130mm			
Number of impressions per tool	From 1 to 7	From 2 to 14	From 1 to 7 per lane			
Maximum cycle speed with MAP	15 cycles per minute	15 cycles per minute	15 cycles per minute			
Maximum film reel diameter	400mm	400mm	450mm per lane			
Machine weight (without tool)	2000 kg	2000 kg	2000 kg			
Supply Voltage	415V 3 Phase+N+E, 25KVA	415V 3 Phase+N+E, 25KVA	415V 3 Phase+N+E, 25KVA per lane			
Air supply	25nL/MIN @ 7 bar	25nL/MIN @ 7 bar	25nL/MIN @ 7 bar per lane			