

QX-500 Tray sealer

Automatic tray sealing with
compact efficient design





Tray sealer

Less Waste, More Productivity

Redefining Ishida’s Tray Sealer capabilities the QX-500 is revolutionary through design and performance.

Whether you’re looking for a compact tray sealer to fit easily into a new or existing packaging line; the QX-500 offers the highest performance in terms of seal quality and throughput while helping companies to meet their sustainability targets.

Developed in consultation with world-leading customers, our tray sealer delivers increased productivity with significant cost reduction in energy usage and overall production costs. Designed precisely for the situations you face everyday, the QX-500 offers all the benefits of advanced automation while making the smartest use of your floorspace, materials and budget.

The benefits of single-source supply

In choosing an Ishida tray sealer you can be confident that our long experience of designing, manufacturing and installing all the surrounding and related equipment is at your disposal. Our products and services include weighing, x-ray inspection, checkweighing, packing and leak detection equipment, snack food bagmakers and pick-and-place casepacking systems, consultancy and project management.



Meat



Poultry



Ready Meals



Salads



Fish & seafood



Dairy

QX-500

Automatic tray sealer with compact efficient design.

The QX-500 redefines Ishida’s tray sealing capability with an all new compact platform which can process up to 100 trays per minute. From intelligent power management to delivering operational efficiency, the QX-500 has been designed to deliver less waste and increased productivity. Innovative engineering features such as the patent pending IntelliSeal, low cost tooling and space-saving design, the new QX-500 provides total value.

- ▲ Up to 25 cycles per minute with up to four tool impressions
- ▲ Boosting cost efficiency by eliminating pneumatics required for seal only and MAP applications
- ▲ Intelligent servo drive systems providing enhanced efficiency of operations
- ▲ Stabilised tray handling for challenging product applications, through utilisation of a unique dipping conveyor system
- ▲ Ergonomic and compact footprint enhancing operational visibility across your production line. Flexibility of integrating vacuum pump into the machine



IntelliSeal

(Patent pending technology)

The QX-500 constantly measures the sealing force and optimises the sealing pressure, temperature and time for each cycle, enabling the tray sealer to adapt itself to each packaging format to guarantee the highest pack quality, consistency and integrity.



Power monitoring
Real time display of watts/pack, provides customer and Ishida with a tangible KPI to monitor and improve.

Seal Force monitoring
Strain gauge provides seal force monitoring to provide consistent reliable sealing at optimum force for fast efficient sealing.

QX Tooling

reimagined

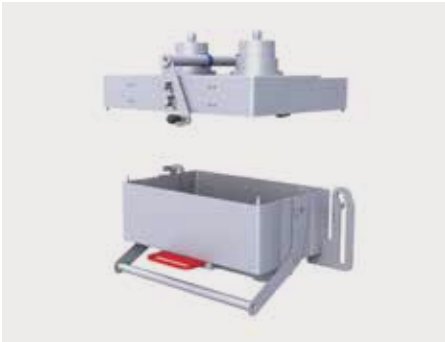
Tooling increases overall operating efficiencies.

The tooling for the QX-500 is a lightweight cassette design allowing for quick and easy format changes.

- ▲ A wide range of tooling formats can be handled:
- Seal only
 - Gas flush
 - Vacuum gas
 - Skin pack
 - Sustainable alternatives



QX-500 tooling



Cassette tooling
The tooling vacuum chamber is retained within the QX-500 and only the tray specific hardware is exchanged when moving between formats.



Simplified tools
The cassette tool concept means a more compact, lightweight and simplified tool system. Reducing to an optimum weight, lead-time and cost. An advantage that compounds as more formats are added to your production.



Compact footprint
Innovative guarding and tool change solutions, have allowed for a compact machine operating footprint. Enhancing operational visibility across the production line and increasing factory area ROI.

QX-500 features and benefits



Stabilised tray handling

A new tray delivery and transfer system allows unbeatably smooth tray and product handling properties to ensure superb seal accuracy and spillage-free product transfer.



Ergonomic design

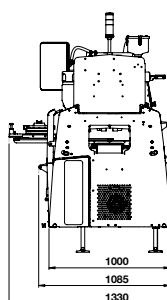
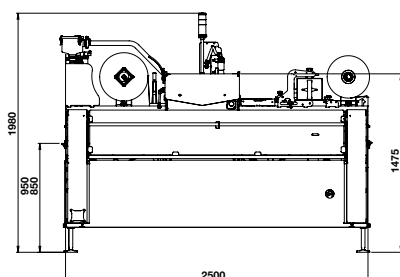
Overall dimensions of L2500 x W1000 with optional line height range between 750 – 950mm.



Consolidated optional equipment

Traditional options such as vacuum pump are fully integrated within the machine body.

Technical specification



Specification

QX-500

Maximum tray width	300mm
Tool formats	Seal Only, MAP Gas Flush, MAP Vacuum Gas Skinpack
Type of film cut	Inside or outside cut
Maximum tray height	Up to 120mm
Number of impressions per tool	From 1 to 4
Maximum Seal Only cycle speed	25 cycles per minute
Maximum MAP cycle speed	17 cycles per minute
Maximum film reel diameter	350mm
Machine weight (without tool)	900 – 1200kg
Supply voltage	32A 380-415VAC + N + E 3 phase 50-60 HZ

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