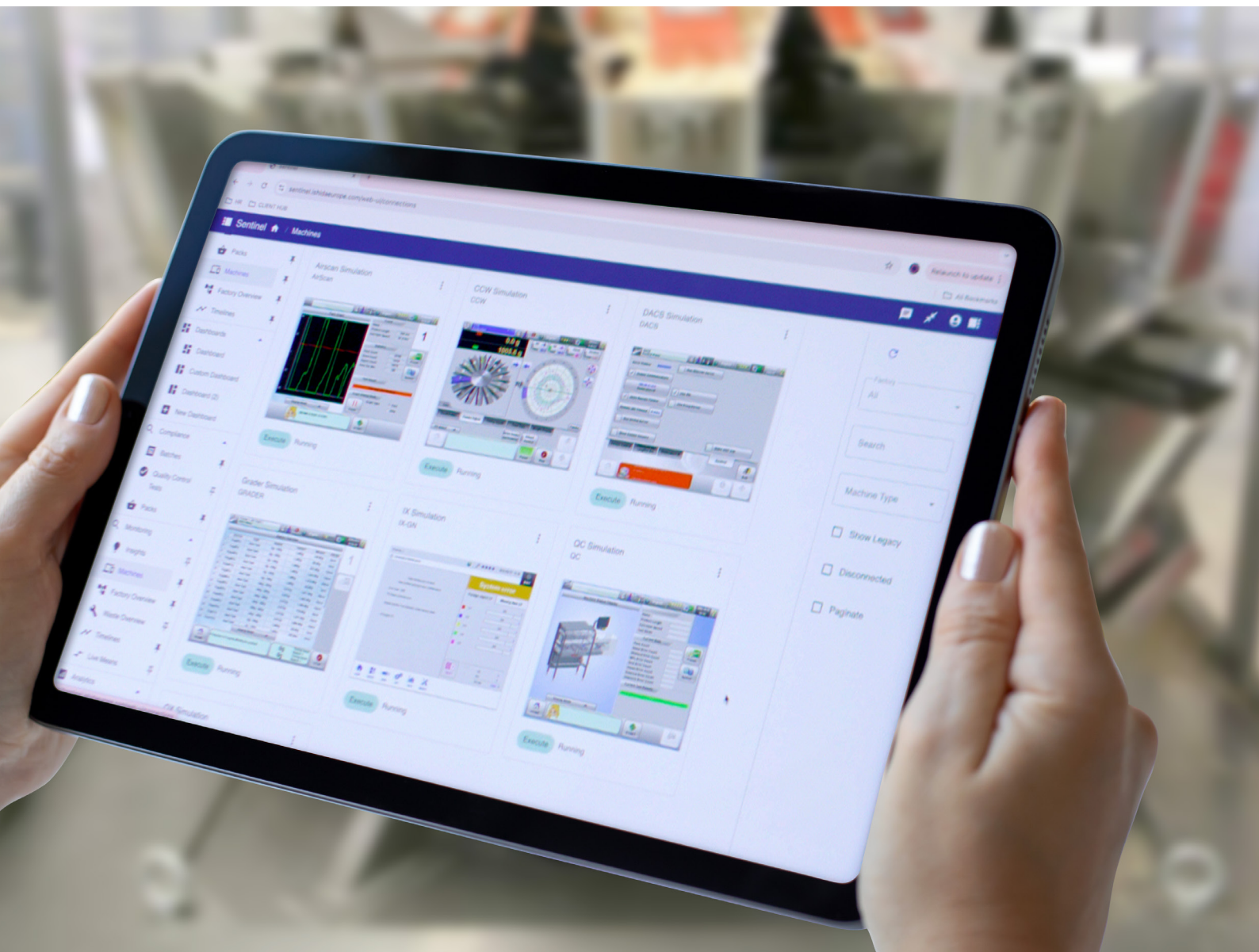![ISHIDA logo]

Sentinel 5.0

Remote Production Monitoring

Joined-up-thinking is smarter thinking

Sentinel 5.0 represents the next generation of advanced production monitoring systems.

Want to unlock greater efficiency? Reduce downtime? Get digital proof of compliance? Continually improve processes? And connect your whole packaging line through one integrated dashboard? Now you can with Sentinel 5.0 Production Monitoring from Ishida.

Seamlessly combining cutting-edge data analytics, artificial intelligence, and forward-thinking innovation, Sentinel 5.0 builds on the proven success of previous Sentinel systems to unleash the power of joined-up-thinking.

Specifically designed to empower food manufacturers, Sentinel 5.0 helps streamline operations, reduce costs, and maximise production efficiency like never before. Whether you choose Sentinel Local or Sentinel Cloud, you'll benefit from a tailored solution that fits your business needs perfectly.

Your data. Your choice
Choose which solution works best for you.

Sentinel 5.0 Local
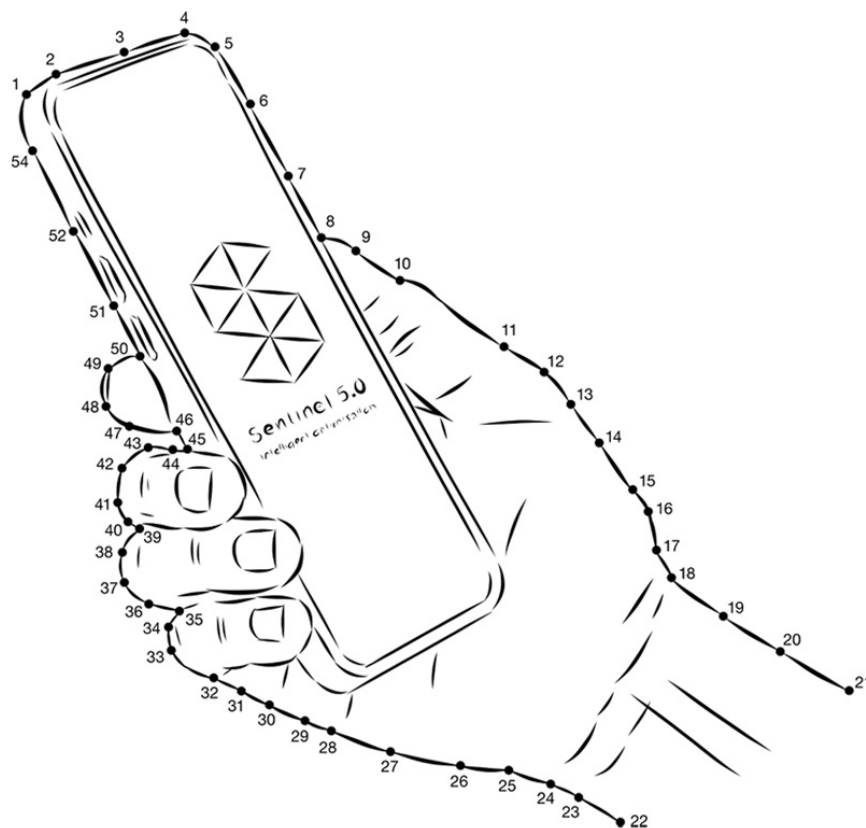Keeps your data securely stored on-site.

Sentinel 5.0 Cloud
Utilises Ishida's cloud services for seamless data storage and access.
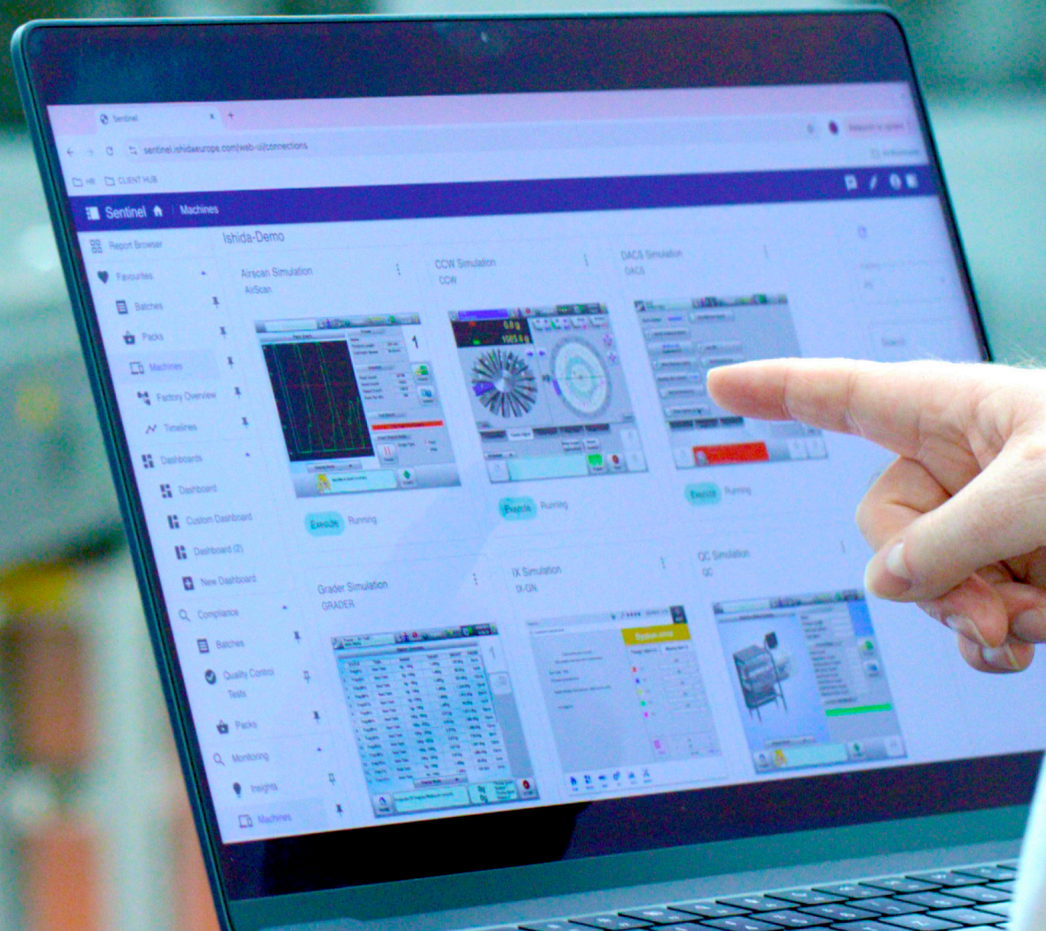
Connect to more capabilities

Sentinel 5.0 replaces both IDCS and the existing Sentinel system, merging the best features of IDCS with Sentinel's advanced remote support functionality. It provides enhanced capabilities, including broad machine support and AI-driven insights for better performance analysis and predictive maintenance.

Choose Sentinel 5.0 for a smarter, more connected approach to production monitoring and set a new benchmark for operational excellence.
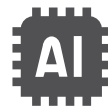
Features and benefits

Paperless e-marking proof of compliance and HACCP management
To reduce downtime and manual intervention.

Industry 5.0 technology and adaptive AI
For clear data-driven decision making.

24/7 monitoring and proactive maintenance
For faster servicing and reduced downtime.

Third-Party Connector
For integrating other equipment seamlessly.

Remote production monitoring
For increased throughput and greater efficiency.

Customised dashboard
For simple, user-friendly operation.

Whole line intelligence
For improved product safety and inter-machine optimisation.

Modular design
Allows tailoring to a customers specific needs

Intelligent optimisation, at every point

Realise the benefits of Industry 5.0 with AI-enabled remote production monitoring

Ishida Sentinel 5.0 is an advanced machine monitoring tool providing detailed performance reporting and the optional benefit of specialist advanced support options when required.

How it works

By establishing a secure 'outgoing' connection between your machine and the Sentinel 5.0 Cloud, real-time machine data analysis identifies the critical information needed to improve your performance.
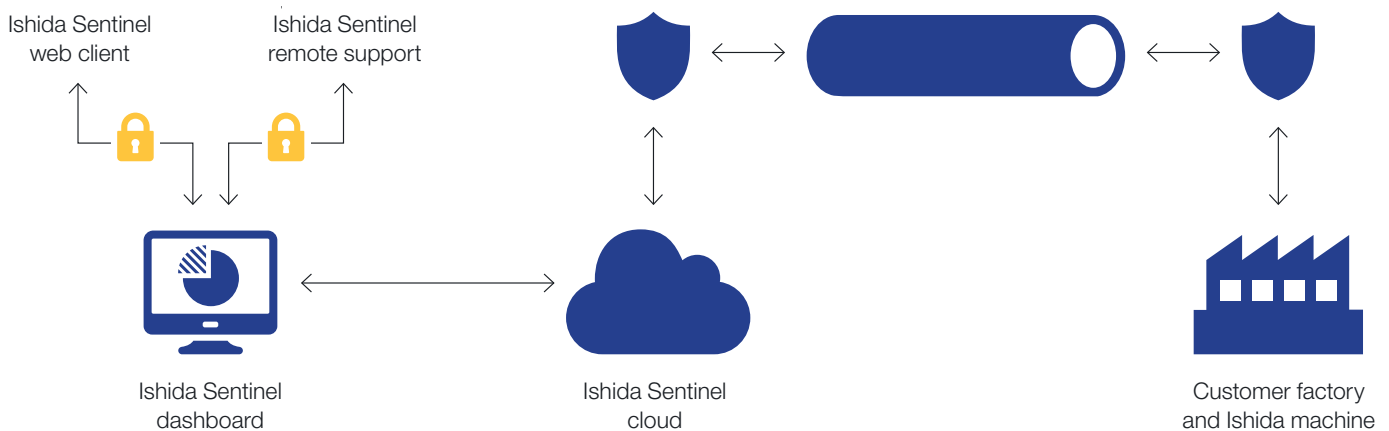
Through clear and effective web-based dashboards, Ishida Sentinel 5.0 provides users with essential operational insights. Our technical experts can even assist your users to gain a detailed overview of the machine status. Allowing them to advise, guide and potentially conduct repairs remotely - reducing unplanned downtime.

Network pre-installation checklist

Before connecting Sentinel 5.0, certain prerequisites must be fulfilled to ensure compatibility. The following are the essential requirements:

▶ Ensure there are enough static IP addresses available for the machine

▶ Confirm that these connections have a route to the internet (typically this may require 1-2 IP addresses per machine)

▶ Allow traffic to Sentinel 5.0 by adding the following firewall rule: TCP 3080 outbound only to sentinel.ishidaeurope.com (34.140.149.4)

▶ Please note that no inbound rule is required. All communications are outbound only, ensuring they remain within your control
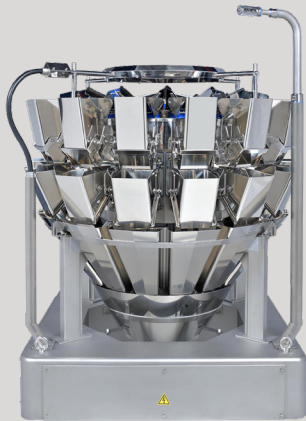
How it Works - Connection Process

Ishida Sentinel
web client

Ishida Sentinel
remote support

Ishida Sentinel
dashboard

Ishida Sentinel
cloud

Customer factory
and Ishida machine

Take your machines to the next level

Sentinel 5.0 is compatible with a wide range of machines, transforming the operational performance of your whole line.
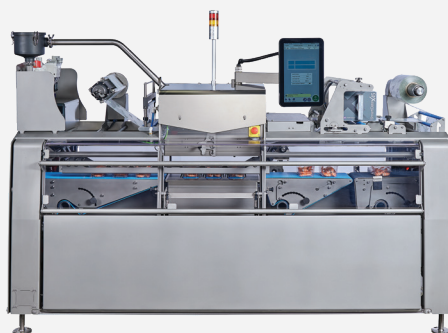
CCW

DACS

Bagmaker

X-ray

ITPS

Traysealer

AirScan

The power of AI at your fingertips

With Ishida knowledge built in, advanced AI data analysis provides unique insights into production performance.

Sentinel 5.0 simplifies vast quantities of data by automatically converting it into actionable information. This automated analysis provides real insights and useful advice based on years of Ishida expertise.

3 ways Machine Learning works

Three types of machine learning are utilised to generate these insights.
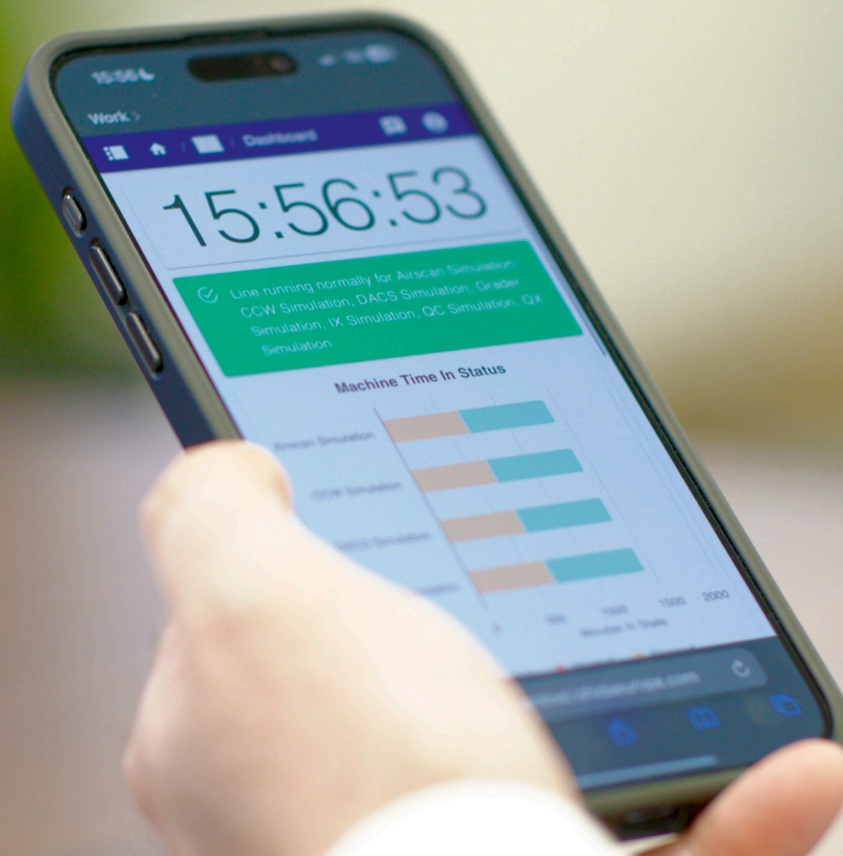
Anomaly Detection

Machine learning analyses critical machine data points in the background, automatically detecting unusual occurrences, whether they are specific instances or long-term trends. This allows for issue detection without prior awareness.

Performance Prediction

Customer KPIs are monitored and processed through a prediction algorithm to create estimated performance predictions. These predictions are evaluated over time to automatically detect under or over performing lines.

Generative AI

Sentinel 5.0's Generative AI, built on decades of Ishida expertise, can be accessed via a chat feature for information anytime, anywhere. These features are deeply integrated throughout the application, enabling one-click native language report generation.

Protecting you and your data

Ishida prioritises the privacy and security of its customers, ensuring the highest standards of protection.

Ensuring the security of you and your data

We are committed to ensuring the security of your IT systems and the privacy of your data. We have integrated the latest security features into our systems and software to provide you with complete peace of mind in an increasingly challenging digital environment.

Sentinel 5.0's protection methods include:

▶ TLS encrypted connections to prevent data from being intercepted

▶ Outgoing only connection from the local LAN (no incoming connections)

▶ Proxy tunnelling support for an extra layer of local LAN protection

▶ Meets industry standard database security guidelines

▶ Login security meeting the latest industry standards

▶ Permission based access-control to limit user access

▶ Token based access-control for remote control connections

▶ Full audits of server and user events

Designed with the following regulations in mind:

▶ IEC 62443

▶ NIS2 directive

▶ Cyber Resilience Act

iTPS

Bagmaker

AirScan

CCW

X-ray

DACS

Tray Sealer

Sentinel 5.0
Intelligent optimisation

Four tiers.
More choice

Our flexible licensing packs give you the freedom to shape a modular solution around your precise needs.

Sentinel 5.0's Cloud licences include:

▶ Standard

▶ Freemium

▶ Premium

▶ Premium +

Tailor a Modular Solution to Your Exact Needs

Our adaptable licensing packages provide the flexibility to design a modular solution that aligns precisely with your specific requirements. To maximise cost efficiency, licenses can be acquired as a combination of bundled packs and individual options. Sentinel 5.0's Cloud licensing offerings include a series of license tiers that meets a range of operational needs.

Cloud License Tiers	Standard — Good all-round functionality with basic data capture	Freemium (1 Year) — All the features and benefits of Premium with lower data usage (introductory 1 year offer) capture	Premium — Advanced functionality with AI, full compliance features and remote support	Premium+ — The full package - with higher data use an remote monitoring	Pack Image — Three options available
Statistics Data Storage	1 Year	1 Year	3 Years	Unlimited	Reject Images Only (Compressed)
Pack Data Storage	1 Month	1 Month	1 Year	1 Year	
Reporting	Statistics Only	Statistics and Alerts	Statistics and Alerts	Statistics and Alerts	
Pack Images	Optional License	Rejected Packs Only (compressed)	Optional License	Optional License	All Images (Compressed)
Settings Change Monitoring	Logs Only	Yes, with Alerts	Yes, with Alerts	Yes, with Alerts	
AI and Machine Learning	No	Yes	Yes	Yes	
Excel Export	Standard Templates	Fully Configurable	Fully Configurable	Fully Configurable	
API Access	No	No	Included	Included	All Images (High Quality)
QC (HACCP)	No	Yes	Yes	Yes	
e-mark Compliance	No	Yes	Yes	Yes	
Machine Back-Up	No	No	Yes	Yes	
Remote Maintenance	No	Yes	Yes	Yes	
Ishida-Monitored	No	No	No	Yes	
Remote Support	Chargeable	Yes	Yes	Yes	

Service 365

Get the best out of your Ishida
equipment and spread the cost
with our preventative service
plans - available at competitive
monthly rates.

Complete support is all part of the service

An Ishida Service 365 agreement is designed to enhance your
experience and maintain the high-performance levels of your
equipment. We offer 5 contract levels all tailored to suit the
needs of your business depending on equipment type, usage
and environment. Discover more.
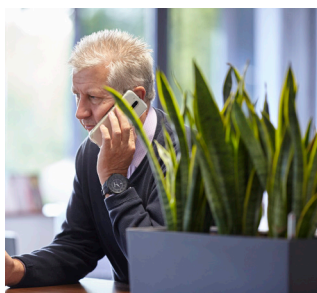
ISHIDA

For every challenge, there's Ishida

Want to cut food and packaging waste, and reduce costs? Find minute foreign objects and big performance gains? Discover smarter ways to significantly reduce product giveaway?

We've been turning questions into answers for 130 years, which means we have all the product solutions, sector expertise and proven know-how you need

Trust Ishida

The most important question and the one we answer every day. Providing more compelling reasons for you to put your trust in us.

▶ Full range of weighing, x-ray inspection, checkweighing, tray sealing, packing and leak detection equipment, plus supporting software

▶ Fast and efficient installation, aligned to your specifications

▶ Built to the highest industry standards and powered by the latest technology, including advanced AI

▶ Specialists in both food and non-food applications

▶ Complete flexibility from a single machine to a fully integrated line solution

▶ Solutions fully tailored to your sector and your products

▶ Dedicated parts and servicing support, with 24 hour delivery in most cases

▶ Expert training online or at your site

▶ Dedicated engineers on call 24/7/365

Helpline   Spares   Service   Training

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