The G20
Bestselling Inspection System

Versatile X-ray system to inspect 100s of product types, improving product quality and safety.

Inspect loose bulk-flow and packaged items

The G20

Improving Product Quality & Safety

The G20 X-ray inspection system will give you peace of mind through high-performance quality checks and detection of contaminants such as metal, glass, stone, certain plastics, and bones.

The G20 is highly versatile and can inspect most packaged or bulk-flow items thanks to 100s of sophisticated inspection algorithms. These algorithms, combined with advanced linear array technology, result in superior contaminant identification. In addition, the system can improve product quality through inspection of fill volume, confirmation of count and mass, and checking for damaged or missing items. You can set acceptable quality limits via easy-to-use software.

Improving Product Quality - Examples
- Check all components are included (e.g. check dressing or sauce sachets are included)
- Check fill levels, mass, shape, or volume are correct
- Ensure product uniformity (e.g. even seed distribution on bread or even spread of pizza toppings)
- Confirm product completeness (e.g. doughnut fillings)
- Verify that seals, caps, and ring pulls are on correctly
- Identify broken items
- Detect contaminants (metal, stone, glass, bone, and certain plastics)

G20 features include:
• Compliant with BRC, Tesco, and M&S standards.
• Isolate rejects based on contamination or non-conformities.
• Real-time data and analysis: The G20 can confirm product integrity and indicate the location of detected contaminants.
• Historic batch data for auditing purposes included as standard with every machine.

Customised Options to Suit Your Needs

A number of customisation options are available with the G20, including the innovative seal inspection function which improves product shelf-life and minimises the risk of returns. It can detect even the tiniest speck of sauce trapped in the seal of a ready meal, for example. There are also options to add an integrated check-weigher, choose from a range of reject systems, select a multi-lane option, or upgrade to the G20XL to inspect wide items.

Why Choose Sapphire?

- Over 35 years experience
- Leading-edge technology
- Simple configuration
- Lower cost of ownership
- Critical components made in-house
- Low energy consumption
- Professional & friendly global support system
- User friendly
- Solutions for a broad range of products
- Customisations and bespoke solutions also available
- Unrivalled for speed, sensitivity, and sophistication of detection

www.sapphire-inspection.com X-ray inspection for peace of mind - improving product quality and safety