

High Speed Inspection System

G40 System



Designed for large packaged products and cartons, the Sapphire G40 is a state of the art, high-speed inspection system.

The versatile system is can inspect a wide range of products and container types, from multi-packs of snack foods and dairy products to bulk foods and trays of meat.

Sapphire's advanced linear array technology delivers superior performance in identifying contaminants, scanning for missing or broken products, detecting packing voids and confirming fill levels.

This system has been created to easily fit into existing conveyor systems and the quick release belt allows simple dismantling and wash down.

Available with a range of reject options including retracting belt conveyors and pneumatic pushers.

Superior Performance

- Contaminant detection (metal, stone, glass, bone and certain plastics).
- Scanning for mass, missing or broken products.
- Detecting packing voids.
- Isolating reject based on contamination or check-weigh non-conformities.



Key Features

- ▶ Custom systems to 614mm wide
- ▶ Adaptable ergonomic design
- ▶ Inspects wide product range including bulk flow
- ▶ Hygienic design, up to FSMA standard
- ▶ Rates of 100 metres a minute
- ▶ Easy user interface and controls

Sapphire Inspection Systems

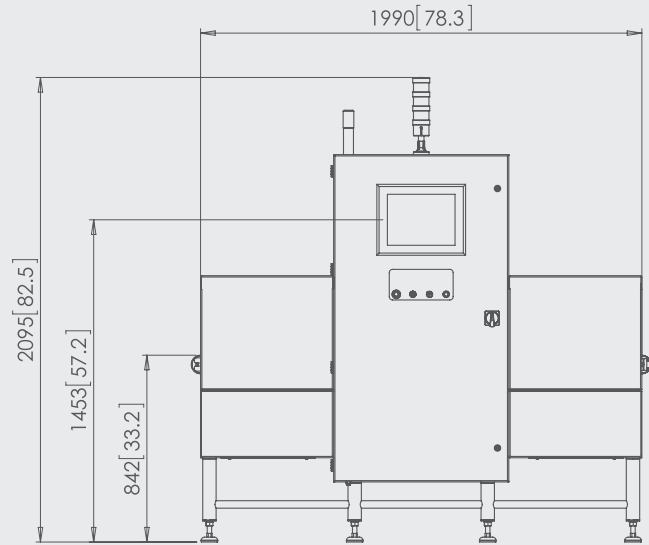
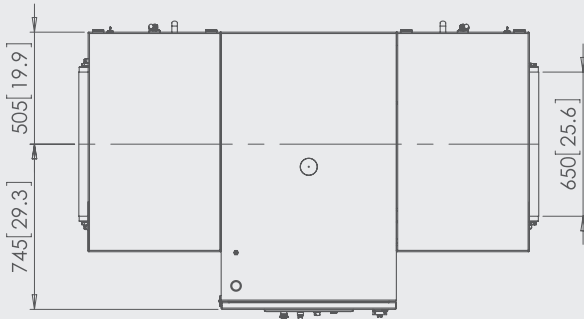
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Specifications



G40 Specifications

Technology	Computer-controlled dual line linear array
X-Ray Generator	Various specifications from 80kV to 120kV
Conveyor Speed	0-100 m/min computer controlled
Detector Array Length	409 - 614 mm
Maximum Line Rate	2000 lines per second
Resolution	4096 grey levels per pixel
Video Display	15" colour touchscreen with real-time images and diagnostics
Calibration	Self-Calibrating during normal operation
Detection Limit	0.8 mm stainless steel typically, dependent on product
Inspection Rate	Up to 600 packs/minute
Power Requirements	110 VAC or 200-240 VAC at 1000VA
Dimensions (LxWxH)	2070 x 1250 x 1755 mm or 2670 x 1250 x 1755 mm



**Pembroke College
Cambridge**

Corporate Partner of Pembroke College, Cambridge

Sapphire - Always at the forefront

Formed in 2006 from founding research and design parent company Cheyney, Sapphire is renowned as the innovator of low energy inspection.

With stellar designers and Cheyney technology, our Sapphire systems are quick to install, easy to use and unrivalled in the industry for speed, sensitivity and sophistication of detection.



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