

Designed for Large Rigid Containers

G50 System



The Sapphire G50 inspects large rigid containers such as glass jars, cans and tins.

Sapphire's G50 incorporates dual linear array technology, unrivalled for its sensitivity, speed and sophistication. This dual detector technology ensures that even very thin materials, such as a thin glass shard within a thick glass container, are detected.

Where transfer from one conveyor to another is problematic, the G50 can be designed as an 'up and over' system that fits on your existing conveyor. Alternatively, it can be designed with an integral conveyor.

Superior Performance

- Two independent x-ray generators and dual linear array technology.
- Contaminant detection (metal, stone, glass, bone and certain plastics).
- Unrivalled in the industry for sensitivity, speed and sophistication.
- Confirms container integrity.
- Confirms fill levels.



Key Features

- ▶ Can fit on an existing conveyor or built with an integral conveyor
- ▶ Dual beam detection captures even thin glass shards
- ▶ Hygienic design, up to FSMA standard
- ▶ Containers as high as 300mm
- ▶ Easy user interface and controls
- ▶ 24-hour worldwide system support

Sapphire Inspection Systems

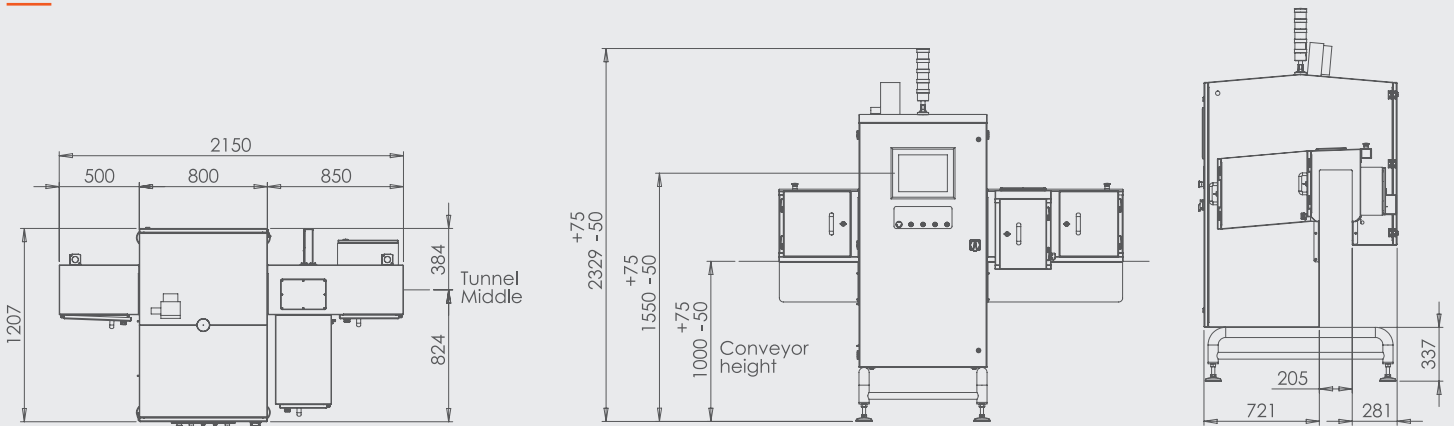
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Specifications



G50 Specifications

Technology	Computer-controlled dual line linear array
X-Ray Generator	Various specifications up to 120kV
Conveyor Speed	0-100 m/min computer controlled
Detector Array Length	Dual detectors up to 2 x 512 mm
Maximum Line Rate	4000 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	1.0 mm stainless steel, 2.5 mm glass typical
Inspection Rate	Up to 1000 packs/minute
Power Requirements	110 VAC or 200-240 VAC at 1.5 kVA
Dimensions (LxWxH)	3110 x 1355 x 1850 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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