

Superior TrueDual™ Inspection

Sapphire G120 TrueDual



The Sapphire G120 TrueDual is a revolution in fresh poultry examination and is the first to feature the superior TrueDual™ inspection

Sapphire TrueDual™ is a dual energy inspection solution that has been developed to deliver the most reliable bone and contaminant detection. Dual energy x-ray inspection absorptiometry (DEXA) was originally conceived for the medical field. Sapphire have harnessed and reconfigured this technique for the food industry.

The data from low energy and high energy images are combined creating a superior single and more reliable inspection result, making the Sapphire G120 TrueDual inspection system perfect for end of line poultry inspection.

The option to include a rework conveyor has been incorporated into the system's design provides for significantly reduced wastage. A rejected product that contains bone is detected and automatically returned to an operator who uses the image to identify the area, remove the bone and send the product along the original line for a second inspection.

In addition to detecting bones, other contaminants such as glass, metal and stone will be captured in the inspection ensuring your products' safety. The Sapphire G120 TrueDual inspection system has been designed specifically to adhere to the highest hygiene standards in poultry production. User-friendly, easy to clean and maintain and fully supported with remote service online 24/7.

Ensure your product safety, deliver bone and contaminant free poultry with this automatic end of line system.



Key Features

- ▶ Sapphire TrueDual™ technology.
- ▶ High data sensitive chicken bone detection.
- ▶ Grading functions.
- ▶ Add in a rework line or reject feature.
- ▶ Low false reject rate.
- ▶ Easy to operate touchscreen function.
- ▶ IP69K standard with easy disassembly for hygienic washdown and inspection.

Sapphire Inspection Systems

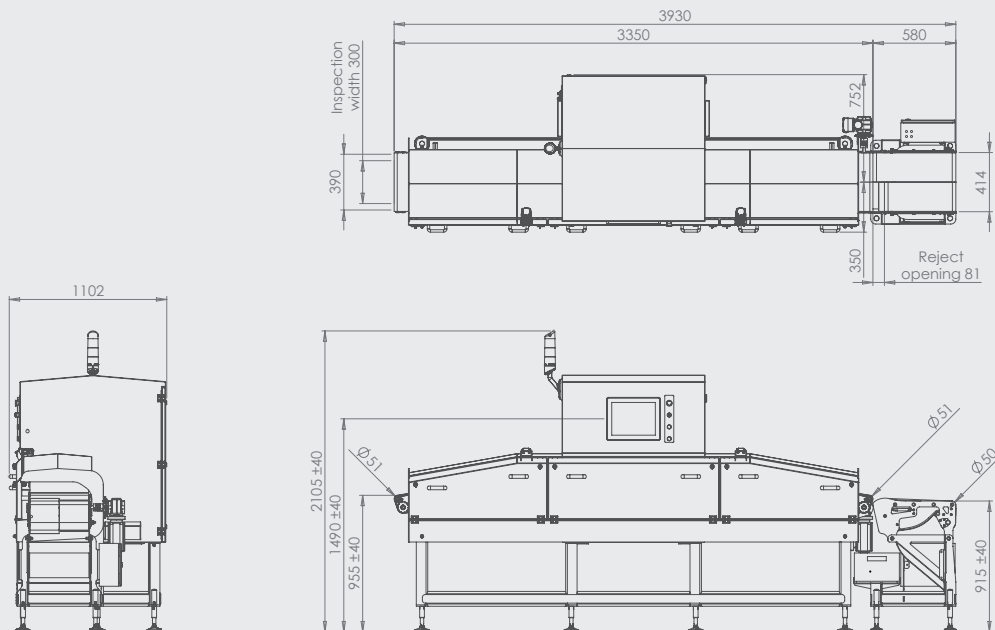
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Dimensions



G80 Specifications

Technology	Computer-controlled "TrueDual™" technology
Dual X-Ray Generators	95kV/4mA & 35kV/6mA
Conveyor Speed	35m/min
Detection area	512mm wide
Maximum Line Rate	1000/sec
Resolution	0.8mm
Video Display	15" colour touchscreen with real time images and diagnostics
Calibration	Self-Calibrating during normal operation
Detection Limit	2mm calcified bone 0.8mm stainless steel
Inspection Rate	14,000 fillets per hour
Power Requirements	110VAC opr 200-240 VAC @ 1.5kVA
Dimensions (LxWxH)	3930 x 1102 x 2105



**Pembroke College
Cambridge**

Corporate Partner of Pembroke College, Cambridge

Superior Performance

- Easy to operate touchscreen interface.
- Utilises Cheyney technology.
- Dual lane conveyor.
- UK manufactured with full Sapphire servicing.

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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