

Concept-5™

Automatic Jar and Tall Product X-ray Inspection System

The **Concept-5™** X-Ray System is specifically designed for the rapid automatic inspection of Jars, bottles, and other tall product.

Using the **HyperSwitch™** processing platform, this system can simultaneously detect product defects such as:

- **Foreign Objects (Metal/Glass/Stone)**
- **Shape**
- **Weight/Mass**
- **Item Count**
- **Item position**
- **Cross sectional density/uniformity**
- **Presence/absence of an item**
- **Fill level detection**

Please refer to the **HyperSwitch™** data sheet for a detailed description of the imaging processing and remote access capabilities.

Concept-5™ is optimized for side product inspection. The unique geometry enables unparalleled detection capability. This inspection performance is unmatched even with much more expensive multi-view systems.



Model C5-0609-8002

Concept-5's is completely stainless steel and meets IP65/NEMA-4 standards to enable no nonsense cleaning. The FDA compliant conveyor system can be easily disassembled for external cleaning.

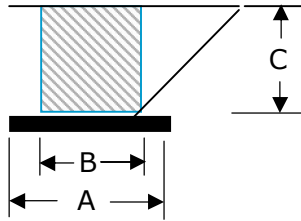
Feature Highlights

- **HyperSwitch™** software allows unmatched contaminant detection performance
- **HyperSwitch Bene™** software automates setup for contaminant and weight detection
- **IP65 / NEMA-4 Wash-Down compliant**
- **Conveyor and processing speeds up to 200 FPM standard, higher available**
- **Time-stamped data/setup archive may be viewed by many methods**
- **Minimal product spacing is required with no external photo-eye devices**
- **Conveyor belt is FDA compliant and can be easily removed for cleaning**
- **Air-blast and push-arm conveyor rejecter mechanisms**
- **Small footprint in 100% Type 304 stainless-steel construction**
- **Ethernet interface for remote archive, control, and service options**

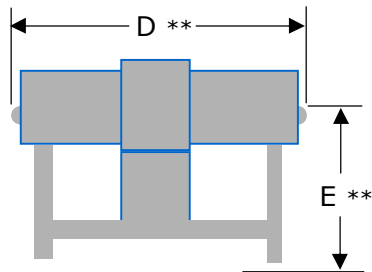
www.novusxray.com

Technical Overview

Inspection Size



Machine Size



Model Number	A	B	C	D	E
C5-0609-XXXX	6.0	6.0	9.0	60.0	34 - 37

- * Active area is completely square, no missing corners
- ** Custom conveyor heights and lengths available
- *** Model number (XXXX) is the x-ray power, e.g. 8002 for 80Kv/2ma

Key Technical Specifications

Belt Speed	Up to 200 FPM maximum
Inspection Rate	Up to 500 products/min
Contaminant Detection	0.6 mm SS sphere minimum Metal/Stone/Glass
Detection Aperture	Full tunnel coverage No missing corners
Power Service	230VAC 50/60hz 15amp 1Ø service
X-ray Generator	30 to 80 KeV, 160 watt
Environment	IP65 / NEMA-4 Wash-down
Temperature	0 to 40°C (32 to 100°F)
Cabinet	Type 304 stainless steel glass bead finish
Conveyor	FDA Compliant Polyurethane
Cooling	External A/C
Processing System	HyperSwitch™ on QNX O/S
Communication	TCP/IP over Ethernet
Reject System	Air blast or Push-arm
Automatic Setup	Contaminant and Weight
Display	15" diagonal TFT-LCD touch screen, rated IP-65



Small diameter end roller enables smooth conveyor-to-conveyor transfer.



Mechanical x-ray view adjustment for optimum detection performance.

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