

C3-1604B

Automated X-ray Inspection System Specifically for Bulk Applications

The **Concept-3™** Series model C3.2-1604B Automated X-Ray Inspection System is specifically designed for the rapid inspection of continuous-flow, bulk product from beans to candies. Typically, bulk applications require high resolution rejection to avoid excessive waste. So, the standard C3.2-1604B is provided with 40 discrete air-blast rejecters over the 16 Inch belt width. For applications that do not require this level of resolution, the more economical Drop Shut rejecter is also available. The C3.2-1604B is designed for a wide range of environments to meet your particular needs.

Using the **HyperSwitch™** processing platform, the C3.2-1604B provides the following capabilities:

- **Multi-lane Product Inspection**
- **Metal, Glass, Stone, and Grease Detection**

The unique architecture of the **HyperSwitch™** software enables inspection of multiple lanes on a single conveyor. This gives one machine the capability to serve multiple product streams.

The **Concept-3 Series** is a low energy system and is 100% lead free, therefore eliminating any hazardous material consideration.



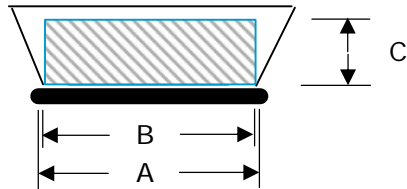
Model C3.2-1604B shown with High Resolution Air Blast Rejection.

Feature Highlights

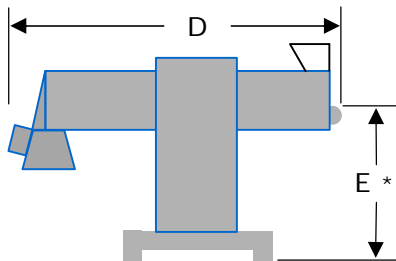
- **HyperSwitch™** software allows mixed product and multiple lane inspection
- NEMA-4 or IP65 rating with high capacity A/C for up to 130F ambient conditions.
- **HyperSwitch Bene™** software automates product setup for contaminant detection
- Conveyor and processing speeds up to 120 FPM standard, higher available
- Inspection capacity of 30-40K lb/hour
- Conveyor belt is FDA approved and can be easily removed for cleaning
- 40 Discrete Air-blast rejecters or single lane rejecter
- Small footprint in 100% stainless-steel construction
- Ethernet interface for remote archive, control, and service options

Technical Overview

Inspection Size



Conveyor size

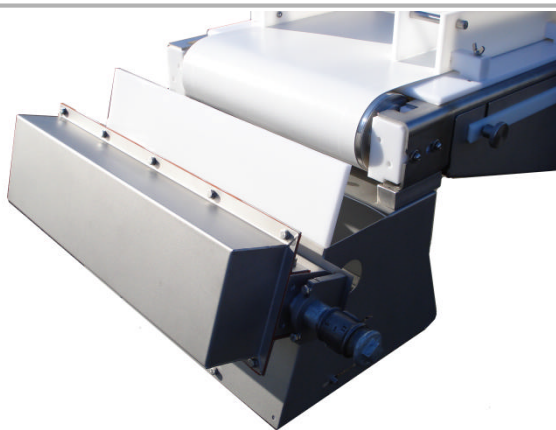


| Model Number | A | B | C | D | E |
|-------------------|------|------|-----|------|----------|
| C3.2-1604B | 16.0 | 16.0 | 4.0 | 60.0 | 35 – 41* |

- Custom conveyor heights available.
- Ask for detail drawing on input and discharge dimensions.

Key Technical Specifications

| | |
|-----------------------|---|
| Belt Speed | 120 FPM maximum |
| Cooling | 3500 BTU Closed system |
| Inspection Rate | Up to 40K lb/hour |
| Contaminant Detection | 0.6 mm SS sphere minimum Metal / Stone / Glass |
| Detection Aperture | 16" x 4" |
| Power Service | 230VAC 50/60hz 15amp 1Ø |
| X-ray Generator | 50 keV / 2ma, Be window, water cooled |
| Display | 12" diagonal TFT-LCD touch screen, rated IP-65 |
| Processing System | HyperSwitch™ on QNX O/S |
| Communication | TCP/IP over Ethernet |
| Cabinet | 304 stainless steel bead blasted |
| Conveyor | 2 ply poly sealed, low temp and fully sealed options |
| Temperature | 0°C to 54°C (32°F to 130°F) |
| Environment | NEMA-4 / IP65 |
| Reject System | 40 Lane Air Blast Array, or Drop Chute |
| Automatic Setup | Contaminant |



Air Blast Rejecter



Drop Shoot Rejecter

Novus X-Ray LLC
1 Kari Drive,
Building C1
Lambertville, NJ 08530

Tel. 215.962.3171
Fax 609.249.5124
Email sales@novusxray.com
Web www.novusxray.com

