

Foreign Body Contamination Protection Specifically for Bulk Flow Food



Novus X-Ray offers solutions specifically designed for bulk flow foods dried, fresh, or frozen

- *Sorting and contaminant detection systems*
- *Superior stainless steel detection*
- *Ceramic, stone, and dirt conglomerate detection*
- *No adverse performance with varying flow rates*
- *Low waste air blast array rejection available*
- *Dry or frozen product inspection, beans, blueberries, and dried fruit*
- *Up to 40K lbs/hour throughput*
- *Elevated ambient temperature compatible*
- *Image all these advantages with almost zero down-time using CCPX technology*

Novus has bulk flow solutions for sorting and contaminant detection. Bulk flow inspection dramatically improves detection performance when compared with large package inspection. This is especially true with stone and other non-metal materials.

Sorting applications experience rejection much more frequently than the rare contaminant, therefore yield or rejection waste is a concern. We offer an air-blast rejecter with an array of nozzles which remove the unwanted material as it falls off the end of the conveyor belt. The result is very little good product is released into the waste stream.

Due to low inspection depths when compared to package inspection, bulk inspection yields superior detection performance. Metals such as ferrous (steel), non-ferrous (brass), and stainless steel are detected equally, resulting in the best protection possible for the most common materials. Other materials common in many agricultural applications are stones, glass, and dirt conglomerations. These materials enjoy even more advantage with low inspection depths.

Variations in flow rate, including stoppage, will create false rejection with traditional x-ray equipment. Novus's unique software algorithms are adaptive and will not be fooled by unavoidable variations.

Most inspection applications are dry with concerns about dust and powder clogging the cooling filtration systems. Applications such as blueberries and frozen bacon bits require extra attention to water protection and hygienic concerns. Novus's systems are rated for high pressure cleaning (IP69K) and are cooled by an external water supply so air exchangers, associated with water chiller's can be located outside areas of concern. Another advantage to this approach is flexibility. Cooling capacity can range from none for cooled ambient conditions, to high capability chilling systems that can handle temperatures as high as 110F.

The fact is, nothing can out perform Novus X-Ray's machines built specifically for bulk inspection. Allow us to proof it with our free product evaluation testing service.

Contact your sales representative or visit our web page to learn more about our revolutionary CCPX™ technology.

Over ten years experience with bulk inspection provides confidence you will be in good hands with no surprises

Novus X-Ray is a USA provider with design, engineering, manufacturing, and service based in Doylestown Pennsylvania. This means over-night support on any replacement part and immediate access to our engineers and support staff intimately familiar with all aspects of your equipment.



While Novus has been in business for over a decade, the systems that we provide are based upon a more substantial body of experience. Our founders pioneered the automated X-ray inspection market over twenty years ago and produced product that has captured a substantial segment of the worldwide market. Armed with the hindsight of developing three generations of inspection machines, Novus X-Ray was formed to provide inspection equipment to displace these older technologies.



Extensive Service

Deploying the right equipment for the task can be just as important as equipment performance. Novus has over ten years experience deploy equipment for bulk flow inspection. Our sales engineers will help you with every aspect of your application. Even discussing issues you may not thought of such as how to control static buildup and product handing issues. Nothing beats practical experience and our sales engineers have it.



Experience Matters

Novus X-Ray sets the goal of providing world-class customer support to the owners of our x-ray product inspection machines. Your complete satisfaction is our mission. Novus offers Remote Service and Preventative Maintenance agreements, to keep your investment running in tip-top shape. We provide Internet and telephone support as well as periodic visits for training and regulatory requirements.

Our equipment has CCPX™ technology, which takes the complication out for the user experience and the risk out of service. Complexity of operation and service risk are the biggest hurdles in deploying x-ray technology, especially in critical control points. CCPX™ addresses these issues dramatically reducing unacceptable down-time. This is accomplished through two unique features:



High Availability

- **Simplify Adjustment** – The ability to teach the system to learn from it's mistakes
- **Built for Service** – Plug-n-play service modules with self diagnostics



Novus X-Ray

Novus X-Ray LLC
206 Airport Blvd
Doylestown PA 18902
215-962-3171
sales@novusxray.com
www.novusxray.com

