

# Foreign Body Contamination Protection for an Array of Food Applications



## Novus X-Ray offers solutions specifically design for food applications

- *Bakery such as Bread, Cake, Cookie, Pastry, and Pie ...*
- *Nutraceutical products such as powdered vitamin and drink additives ...*
- *Powdered or particle foods such as Mixes, Spice ...*
- *Meat / Protein such as Beef and Pork chubs, trim, tray and other packaging*
- *Liquid foods such as Soups in bags...*
- *Dairy such as Yogurt, Ice cream, butter ...*
- *Agriculture such as Ready Made Salad, Berry, Fruit, Grain ...*
- *Image all these advantages with almost zero down-time using CCPX technology*

Novus X-Ray builds inspection equipment suited across a large variety of applications. Food inspection using X-Ray technology is our only business, ensuring Novus is the industry expert in this field.

Our Bakery inspection systems are not effected by temperature variations commonly experienced by delays in production flow. Unlike traditional x-ray equipment, foil pans have no effect on detection sensitivity and are not blind in the pan's rim region. Multilane and high throughput rates are no problem.

Nutraceutical and other powders are typically packaged in foil pouches, that cause interference with tradition metal detection equipment. Our foil packaging systems can see through any foil with no detection degradation. Our systems can even ignore other components such as plastic scoops, which are common. Some powders contain small hard particles such as pepper corn and strawberry seeds. These are seen by x-ray technology and can cause high false rejection, or detection performance degradation in tradition x-ray systems. Novus's unique software algorithms can be taught to ignore features such as these with no or little adverse effects in detection performance.

Meat, Poultry, and Dairy products have high sensitivity to biological contamination, can present insurmountable hurdles during operating and sanitizing. Novus's CCPX-Clean series has been specifically designed for harsh environments and can handle any cleaning or operating conditions. The entire machine, including touch screen and cooling systems, are IP69K compliant. No need for special precautions or hooding during sanitation.

Agriculture applications are at risk of contamination from the harvest, such as glass, stone, and other metal materials. Novus has solutions designed specifically for non-metal contamination in packaged or bulk flow. Our inspection algorithms can tolerate large variations in bulk flow, which commonly cause high levels of reject waste on traditional x-ray equipment.

The fact is, nothing can out perform Novus X-Ray's machines. Allow us to prove it with our free product evaluation testing service.

# Over ten years experience with a wide variety of applications 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 the experience to deploy the right x-ray inspection equipment for the job. Our sales engineers will help you with every aspect of your application. Even discussing issues you may not have thought of, such as how reject light-weight foil pouches which can curve downward. Or how to prevent tip over while pushing tall packages through radiation protection curtains. 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 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

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