

Foreign Body Contamination Protection Specifically for Protein Products



Novus X-Ray offers solutions specifically designed for protein product packaged and unpackaged

- *Superior stainless steel and bone detection in poultry, beef, and pork*
- *Chub inspection without the fat buildup hazard*
- *Indexed or multilane vacuum sealed inspection*
- *Immunity to small bone fragments within ground beef and sausage*
- *Immunity to sensitivity variations experienced with metal detection technologies*
- *Hygienic design and built to take any sanitizing process*
- *Image all these advantages with almost zero down-time using CCPX technology*

Processing inherent to most protein production lines are at risk from small particle stainless steel contamination. Our x-ray inspection solutions yield superior performance, with most metals including stainless steel. Ferrous, non-ferrous, and stainless are detected equally well resulting in the best inspection coverage for the most common factory induced contamination materials. Buckshot, needles, cutting blades, other factory hardware, as well as bone are no longer a concern with Novus equipment on the job.

Many times packages such as chubs, have metal clips which drive metal detection technologies further up the production line. This leaves packaging at risk of contaminating production. Typically pipe metal detection is used before the casing is deployed. Differences in material and temperature of the metal detection pipe cause fat conglomerations to build up and eventually break off causing terrible quality issues. Our unique detection technology can ignore packaging metal, with no degradation in detection performance, completely eliminating the cause of the fat build up issue.

A common approach in creating or packaging protein products, such as patties and other formed product, is to utilize multilane indexed equipment. Novus can inspect multiple lanes with no concern about placement, touching, or overlapping pieces. Product rejection in such cases is handled with ease by our retractable nose systems.

Small bone fragments very common in most grinding processes, may be acceptable. Such products are hamburger and sausage. Novus inspection can readily identify bone contamination, but can also be adjusted to ignore small fragments without degrading metal detection performance. This is another unique attribute of our detection software.

Older metal detection technologies struggle with sensitivity variations, which are primarily due to changing conductivity properties common with meats and drift between fresh and frozen states. Novus X-Ray offers x-ray technology which is completely immune to such issues.

Traditional x-ray equipment usually fail to survive the harsh operating and sanitizing conditions. Novus's CCPX-Clean series has been specifically design for harsh environments and can handle any cleaning or operating conditions you can throw at it. The entire machine, including touch screen and cooling systems, are IP69K compliant. No need for special precautions or hooding during sanitation.

Over (10) years experience with protein products 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

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.



Experience Matters

Deploying the right equipment for the task can be just as important as equipment performance. Novus has over ten years experience deploying equipment for protein inspection. Our sales engineers will help you with every aspect of the application. Even discussing issues you may not thought of, such as how to handle poorly controlled multilane presentation. Nothing beats practical experience and our sales engineers have it.

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



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