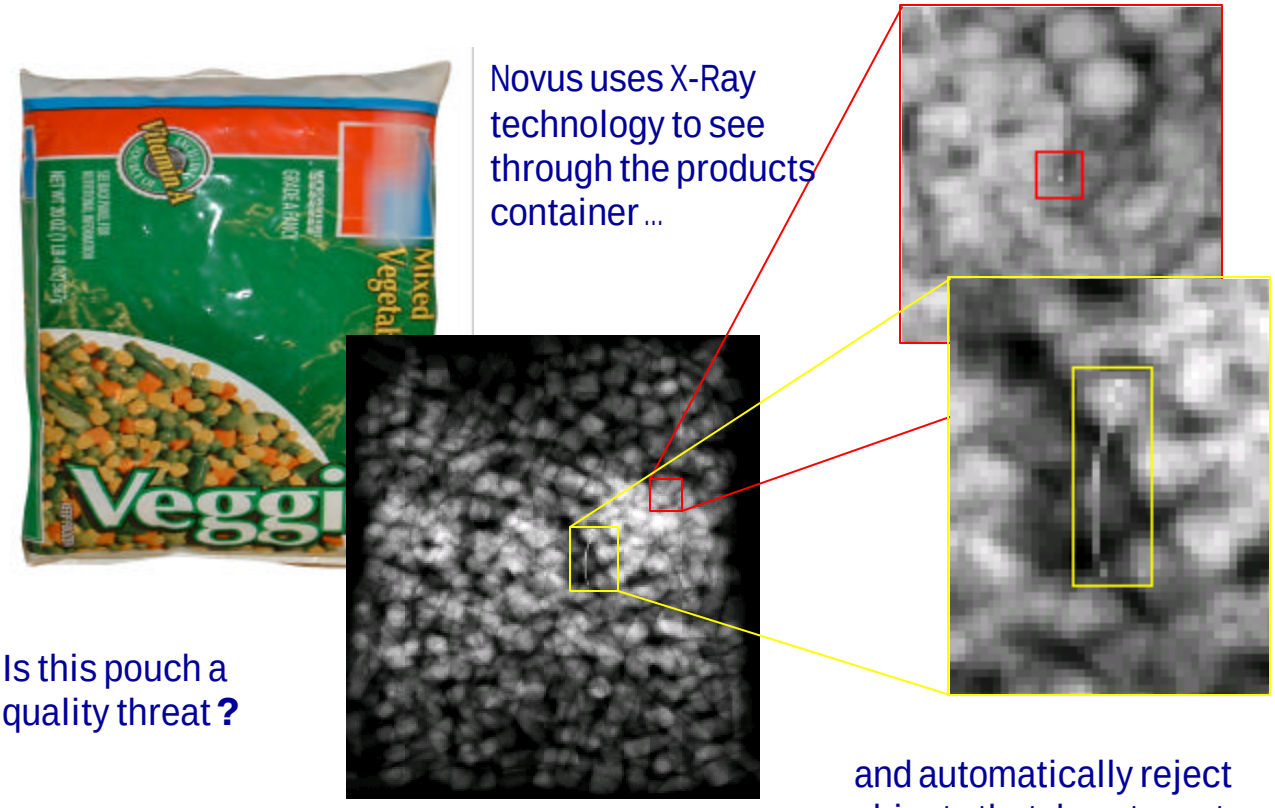
Novus X-Ray LLC

Increasing Quality through X-Ray Technology

Hyper-Switch ™ Processing Platform

Hyper-Switch ™ automatically inspects closed packages for product defect and unwanted contamination. Packages can be cardboard, plastic, foil lid or pouch and even metal!

Below is an example of a typical application requiring contaminant detection.



Hyper-Switch ™ continuously combs through each image, searching for unwanted objects of metal, glass, stone and other materials that absorb small amounts x-ray energy. This inspection can be accomplished at belt speeds as fast as 200 ft./min. That translates into 3+ pouches per second!

In this case, a 1.0 millimeter piece of glass and a very thin piece of wire measuring about 1 centimeter long was found causing the pouch to be removed from the conveyor belt, eliminating the quality and liability hazard.

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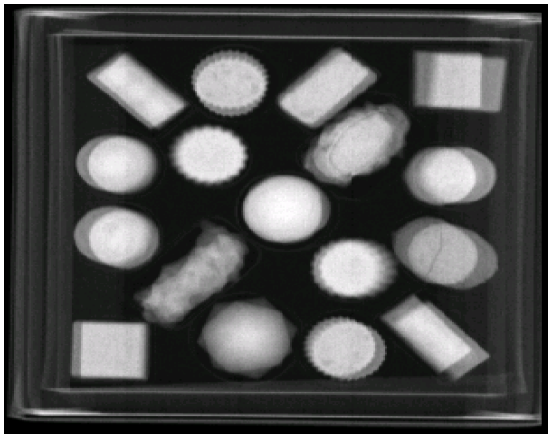
Hyper-Switch ™ can do much more than contaminant detection. Many other aspects of product quality can be measured, sometimes several simultaneously!

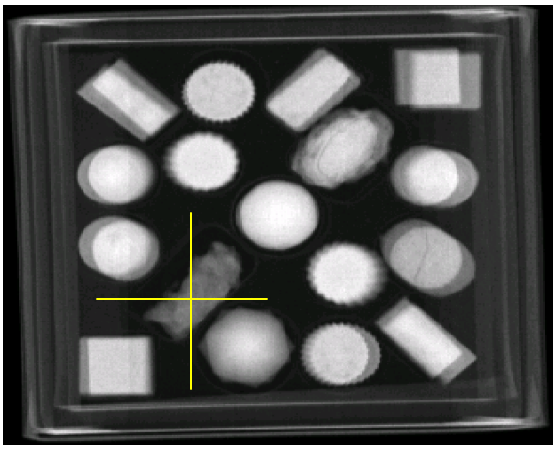
This is an example of product counting. Two chocolate trays are place on top of each other and packaged in a box.

Does this package contain all the product**?**



The X-Ray image reveals a shadowing effect when the pieces do not align completely.

The box is removed from the production line when any piece is missing.



In this case, a cross identifies a position missing one piece of chocolate. The tray on the bottom was missing a piece, therefore the image reveals only the top tray's piece. As a result, the box is automatically removed from the production line.

Please refer the ***Hyper-Switch*** ™ data sheet for technical details or call for a free consultation with our application engineers.

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