



ORANGEREPORT

PACKAGING INDUSTRY

Eriez® X-Ray System Adds Extra Protection for Raisin Packaging Company



E-Z TEC® XR-41

Problem:

Chooljian Brothers Packing Company (Chooljian), one of the oldest raisin processors in the country, sends its raisins through laser sorters and more cleaning stations, washing points and quality assurance checks than most other raisin processing facilities. Despite all the sterilization activity, Chooljian takes even greater steps to ensure that contaminants never reach customers. After the raisins are harvested, they are processed in the company's packing plant, where they go through numerous cleaning processes and then through metal detectors. The metal detectors help eliminate a lot of the foreign objects, but cannot detect everything. Chooljian wanted to add another layer of safety to its process.

Solution:

Chooljian made a rather cutting-edge move in the fall of 2008 by teaming its metal detector with an Eriez® E-Z Tec® X-Ray Inspection System. Chooljian became one of the first raisin-packing facilities in the country to utilize x-ray technology to meet the rigorous standards it sets for contaminant detection. Chooljian runs 60,000 to 100,000 pounds of raisins a day through the Eriez X-Ray Inspection System. The system can detect minute foreign objects when the raisins are running two inches in depth along the conveyor line. Eriez' X-Ray Inspection System can penetrate the product and see some particles that lasers and scanning machines do not detect. The conveyor line is built with a "timed gate" mechanism that automatically opens, allowing the product to be rejected after the inspection system detects a foreign object. The timed gate interrupts the product flow, grabs the product that has contamination and rejects it in less than one second.

Result:

The Eriez X-Ray Inspection System gives Chooljian another checkpoint in providing a level of safety that cannot be satisfied with metal detection alone. Eriez technology helps Chooljian ensure they are providing a better and safer product to their customers.

Note: Some safety warning labels or guarding may have been removed before photographing this equipment.

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