

Better Nylabones With Detecting Conveyors



TFH Publications, the maker of Nylabone® dog treats and chews, is dedicated to producing products that are safe and effective. To assure the highest final product quality, they rely on PowerPhasePLUS metal detectors from Mettler-Toledo Safeline on their nine packaging lines at their two production facilities.

“We searched the market to identify the best metal detectors for our applications. We considered the reputation of the supplier and their support, the reliability of the equipment and the ability of the system to meet our specific standards. We also considered cost. The PowerPhasePLUS came out on top,” noted Glen Axelrod, President and CEO of TFH Publications. “We are so impressed with Safeline’s metal detectors, we continue to install them on new production lines as we expand.” The latest was installed in July 2010.

The nine conveyORIZED PowerPhasePLUS metal detectors at Nylabone are downstream of the primary packaging operation to verify no metal entered through contaminated raw materials or during manufacturing or packaging. This assures all products are metal free before they are shipped to customers.

To maximize inspection sensitivity, the Safeline metal detectors feature high frequency coil technology and advanced head geometry that allow the systems to consistently detect ferrous and non-ferrous metal as well as the more difficult-to-detect stainless steel. A “Faraday Screen,” which is located between the metal detector’s coil and the product being inspected, virtually eliminates false rejects by filtering out signals that can interfere with the system.

Better Nylabones With Detecting Conveyors

Published on Industrial Maintenance & Plant Operation (<http://www.impomag.com>)

“Our metal detectors are more sensitive than we need but it’s good to err on the side of caution. Ultimately, the purpose is to catch anything. One piece of metal in a million packaged products is one too many. Thanks to our sales rep, Joe Young of Reliant Packaging, we choose the best detector for our applications. Thanks to the PowerPhasePLUS metal detectors, we’ve not had any problems with metal contamination,” said Axelrod. “We test the detectors periodically by running intentionally-contaminated product through to be sure it’s caught. We’re very happy with the consistency of the operation.”

The PowerPhasePLUS metal detectors at TFH offer dual frequency operation, which achieves greater sensitivity over the company’s wide range of products. The metal detectors’ “product clustering” feature enables the inspection of a variety of products on one line without operator intervention at changeover. The versatility of PowerPhasePLUS is best illustrated on the V-F-F-S line at TFH, which produces pouches of dog chews and treats from 50 grams to 2.5 kilogram in size.

“The reliability and sensitivity of our metal detectors give us peace of mind that we are consistently achieving our high quality standards,” noted Axelrod. “As a business, we’re dedicated to safety and efficacy and quality in everything we make and everything we do. We don’t make compromises that could jeopardize safety, efficacy or quality.”

To help assure the metal detectors are operating at peak performance, they are password-protected, which prevents unauthorized access to the settings. Operators have one level of access, while supervisors and engineers have deeper access. This guarantees that somebody trained as an operator isn’t changing the sensitivity of the system.

“We’ve got a strong brand name in Nylabone, and we go to great lengths to protect it. The Safeline metal detectors are an important element of our overall quality assurance program,” concluded Axelrod. “We are all about quality – it plays into the theme of our existence.”

About Mettler-Toledo Safeline

Mettler-Toledo Safeline is the world’s leading provider of metal detection and x-ray inspection systems for the food and pharmaceutical industries. Safeline’s reputation as the primary provider of contaminant detection equipment is built on a commitment to innovative products supported by the most comprehensive product testing, engineering solutions, service and training in the industry. Visit www.mt.com/safelineus [1] to learn more.

Source URL (retrieved on 07/24/2014 - 7:12am):

<http://www.impomag.com/articles/2011/06/better-nylabones-detecting-conveyors>

Better Nylabones With Detecting Conveyors

Published on Industrial Maintenance & Plant Operation (<http://www.impomag.com>)

Links:

[1] <http://www.mt.com/safelineus>