

Quadro® FlexSift

SECURITY SCREENING AND DELUMPING OF FOOD INGREDIENTS

BACKGROUND/REQUIREMENT

An international processor of spices, seasonings and flavors needed a compact in-line solution to security screen and delump a multitude of products prior to entering final packaging. The solution had to fit into the process stream under existing bulk bag unloaders. Traditionally, vibratory sifters have been used in this industry. The large size, vibration and lengthy screen changeover time of this technology makes regular maintenance, product changeover and integration into the processors floor space and other similar automated and lean manufacturing environments difficult.

SIFTER PERFORMANCE

To meet the needs of the processor, Quadro introduced the **Quadro® FlexSift**. The **Quadro® FlexSift** offers a compact, in-line, high-capacity, vibration-free solution for today's efficiency-minded ingredient manufacturer. The **Quadro® FlexSift's** compact design easily fits in-line with the existing bulk bag unloaders. As the Sifter is a vibration-free technology, it did not interfere with the load cells mounted on the equipment. The quick screen/mesh changeover capabilities of the **FlexSift** helped the processor decrease downtime between ingredient changes, increasing the number of batches that could be produced.

The **Quadro® FlexSift** was able to successfully security screen and delump the ingredients with varying screen/mesh sizes ranging from 30 mesh (.024") to 8 mesh (.094"). The capacities achieved with the **FlexSift** ranged from 1500 kg/hr to over 12,000 kg/hr. No product damage or segregation was observed by the customer during production.

SUMMARY

The processor was very pleased with the results achieved with the **Quadro® FlexSift**, and was extremely happy with the reduced downtime for cleaning and screen changeovers. The customer is planning on replacing all existing vibratory sifters with the **Quadro® FlexSift**.

