

Quadro® FlexSift

SECURITY SCREENING IN PHARMACEUTICAL MANUFACTURING

BACKGROUND/REQUIREMENT

Pharmaceutical manufacturers have utilized sifters and screeners of various designs to capture potential impurities and delump their incoming materials. A 100% impurity removal is of the utmost importance or risk the possibility of entire batches being lost - a costly and most unwanted occurrence. Agglomerated materials create their own set of challenges including uneven dispersions, poor mixes, etc. Over the years, concerns have been raised by many of these companies about traditional sifting equipment being typically large, bulky, loud, cumbersome and time consuming to clean and in some instances, imparting unwanted size reduction in the process.

Working closely with a world-renowned pharmaceutical manufacturer, Quadro designed and incorporated its version of the security screener, meeting or exceeding the customer's 2 major requirements and expectations. The first requirement was to be 100% certain that no foreign materials could be introduced into their process when raw material bulk bags were being opened and unloaded and, in the very unlikely event that the raw materials contained any impurities, that these be captured immediately. The second goal was to gently break apart any lumps. The customer originally utilized a conventional vibratory sifter, which not only compromised a lot of floor space, but was loud and time consuming to clean due to its many components.



FLEXSIFT PERFORMANCE

To meet the needs of the manufacturer, Quadro developed the **Quadro® FlexSift S20**. The S20 is a 360° positive throughput security screener, imparting minimal energy to infeed material eliminating undesirable size reduction typically caused by vibratory screening methods and gently delumping agglomerated material. With its 15" diameter processing area, the S20 offered one of the most compact sifting footprints in the industry. The **Quadro® FlexSift S20** is remarkably quiet avoiding the need for any additional hearing protection devices. With basically two components to remove for cleaning, it is one of the most maintenance-friendly, easy-to-clean units on the market. This feature minimizes lengthy unprofitable downtime during clean-up and/or product changeover. The S20 is sanitary, manufactured from FDA compliant stainless steel.



SUMMARY

The customer was impressed with the performance, size and efficiency of the S20. As an integral part of the state-of-the-art bulk bag unloading station that Quadro delivered, the S20 provided 100% impurity and lump removal. The Client is now making preparations to incorporate additional **Quadro® FlexSift** units for the balance of their bulk bag unloading stations and processing suites.