

# Quadro® FlexSift

## SECURITY SCREENING AND DE-AGGLOMERATION OF NUTRITIONAL SUPPLEMENTS

### BACKGROUND/REQUIREMENT

An international processor of nutritional supplements needed a compact in-line solution to security screen and de-agglomerate a multitude of ingredients before they entered a V-blender for final mixing. The customer was utilizing a Quadro Vac® to vacuum transfer the ingredients from a bag dump station, loaded by operators, to the V-blender. The ingredients were loaded via various bag and drums and an in-line security screening method was necessary to catch any impurities before they entered the V-blender. The customer wanted a unit that could be quickly integrated into their process with minimal changes, and be simple in design so it could be easily cleaned.

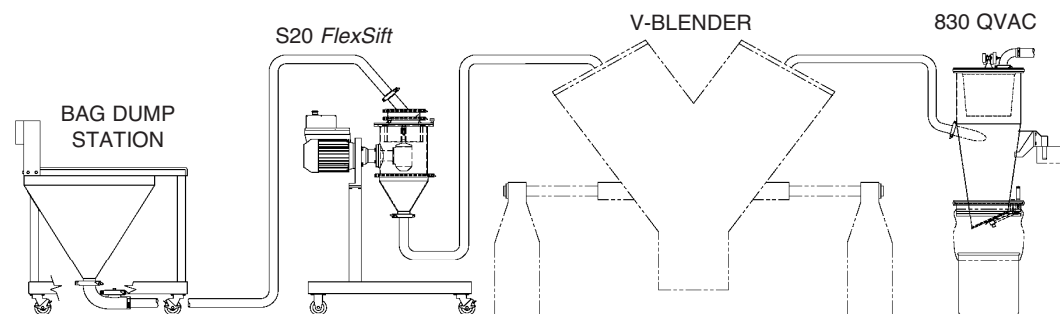
### SIFTER PERFORMANCE

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 nutritional supplement manufacturer. The quick screen/mesh changeover capabilities of the **FlexSift** decreased cleaning and maintenance times and helped increase the number of batches that could be produced per shift. The **Quadro® FlexSift** was easily integrated with the Quadro Vac® system minimizing any changes to the existing production line.

The **Quadro® FlexSift** was able to successfully capture all impurities, as per the customer's requirements. The screen used with the various ingredients was 0.045" diameter (16 mesh) and the capacity achieved was 4000 kg/hr.

### SUMMARY

The processor was very pleased with the results achieved with the **Quadro® FlexSift**, and extremely happy with the Unit's ability to capture and retain impurities. The customer has now installed **Quadro® FlexSift** in all of their raw ingredient process lines.



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