Colmans replace old vibrating screens to improve sieving efficiency

by Thomas Mackinnon

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Colmans, a manufacturer of sauces including mustard, strive to provide the highest quality products to their customers. They therefore decided to review the processing line at their manufacturing plant in Norwich to see if they could update their process to include the latest technological advancements in vibrating screens.

Colmans were originally using several sprung suspension open top vibrating screens that they purchased 40 years ago, which used bristle brushes to push the flour through the sieve. In the search for a new vibrating screen supplier, Colmans came across sieving and filtration specialists Russell Finex and approached them for a solution.

With over 75 years on experience, Russell Finex were able to provide them with vibrating screens which suited all their needs. With the health and safety of operators being paramount, the Russell Compact SieveÂ® was the vibrating screen of choice as the machine is completely enclosed, protecting operators from the dust in the atmosphere that used to occur with the original open top sieves.

The Russell Compact Sieve eliminates oversize contamination, whilst doubling throughput with half the size. A higher throughput per unit mesh area is achieved compared to conventional vibrating screens, and can achieve throughput rates of up to 60,000 kg/hour. With it unique compact design, the screener can also easily fit into existing installations and areas of limited headroom.

Mick McGary, Colmans Mill Manager, states â€œWe only needed two Russell Compact Sieves to replace four old vibrating sieves we had as they were capable of a throughput rate of two tonnes per hour of finished mustard flourâ€•.

The vibrating screens were also fitted with the Russell VibrasonicÂ® Deblinding System to allow the flour to pass through the mesh without blocking. This coupled with ease of installation and operation resulted in the machines being virtually maintenance free. The mesh only needed to be cleaned at the end of the day, where previously it would have to be cleaned frequently due to the mesh blocking. Costs were also reduced as constant supervision of the machines was no longer required, providing labor and downtime cost savings.

â€œRussell Finex is the only company who have the in-house expertise in both ultrasonic deblinding systems and vibratory screens, an important benefit for Colman's when choosing their equipmentâ€• concludes McGary.

For over 75 years Russell Finex have manufactured and supplied filters, sieves and separators to improve product quality, enhance productivity, safeguard worker health, and ensure liquids and powders are contamination-free. Throughout the world, Russell Finex serve a variety of industries with applications including food, pharmaceuticals, chemicals, adhesives, plastisols, paint, coatings, metal powders and ceramics.

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The author has an immense knowledge on a vibrating screen. Know more about Russell Finex related info in his website a http://www.russellfinex.com/

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