Double your screening capacity with the versatile Finex Separator®

Achieve measurable operating benefits...
- Increase your productivity
- Improve your product quality
- Reduce your operating and maintenance costs

Stirring, scraping, check screening or dewatering, a Finex Separator® will ensure consistently high product quality and reduce production costs.

Visit our website at www.russellfinex.com or call us on 020 8835 0000 for more information.

Setting worldwide standards for quality, performance and reliability for over 70 years.

Russell Finex Limited,
Midleton, Co. Cork, Ireland
Tel: +353 21 8028200
Fax: +353 21 8043600
Email: sales@russellfinex.com

Centrifugal force to double screening capacity

Growing demand required Flexicon Corporation to double production of its flavor powders by replacing an existing vibratory screener with a Koser Centrifugor™ three-bearing centrifugal screener, boosting output from 400 lb/hr (181 kg/hr) to 750 lb/hr (340 kg/hr) while allowing faster wash downs.

The four basic carriers - cornstarch, yellow corn flour, dextrose, and maltodextrin - are combined with as many as 10 additional ingredients, both wet and dry, producing free-flowing and non-free-flowing blends having bulk densities of 20 to 50 lb/ft³ (344 to 880 kg/m³).

Cement materials are loaded into an 80-cu-ft (2.24-m³) capacity blender in 3000-lb (1361 kg) batches, after which liquid and dry ingredients are added.

Following a blending cycle, the batch is gravity-fed into a centrifugal screener whose feed screw reduces the material into the unit's horizontally oriented, cylindrical nylon screen. Here, rotating helical paddles, which never make contact with the screen, continuously accelerate the flow of cement particles through apertures in the wall of the screen cylinder and serve to break up wet agglomerates. Oversized particles and trash are propelled through the downstream end of the screen cylinder and ejected through a discharge port.

The compact design of the screener allows it to be positioned in a restricted space between the blender and 40 to 50-ft (12 to 15-m) high fiber drums being filled with 1000-lb (454-kg) of the material.

Frequent product changes necessitate a minimum of one wash down per shift, a task that incurs minimal downtime, owing to the screener's three-bearing design. The shaft connects on a bearing located between the motor end of the shaft and the material feed screw, where the largest end closure is open, allowing the paddle assembly and screen cylinder to be slid off of the shaft for cleaning or screen changes. During operation, the shaft rides on both shaft-end bearings, with no dependence on the inboard bearing for support.

Bulk Ingredient Feeding
FlexWall® Plus

The latest feeder generation for powders, granules, fibres and all poorly flowing bulk ingredients.

Brabender Technologie Ltd.
3 Tanning Court
Howleys, Warrington, Cheshire WA1 2HF, UK
Tel: 01925 344002 Fax: 01925 345451
E-Mail: sales@brabender-tec.co.uk www.brabender-technologie.com