

SWECO®

INNOVATIONS THAT MAKE SEPARATION SIMPLE

ROUND SEPARATORS

Vibro-Energy® Separators.
Separate solids from liquids or segregate dry materials into various sizes. Particles as fine as 400 mesh (37 microns) can be screened with up to 4 screen decks incorporated in one Sweco Separator. No special flooring or foundation is needed unless working floor space is required. Simple and efficient design requires less horsepower. No one has more experience creating round separation solutions ... we've been 'round for more than 60 years!



Low Profile Flow-Thru Separator.
High capacity wet or dry scalping in a compact, low headroom design. Dual motors mounted on opposite sides of the Low Profile allow unrestricted flow of material and create the 3-D motion that allows oversize material full discharge, keeping the screen clear for maximum product flow. Its low headroom requirements (as little as 15 inches) and straight flow design, allow the Low Profile to fit easily into existing product lines without reworking the entire system. Inlets and outlets can be custom designed to mate with existing equipment and piping. Ideally suited for prepackaging screening in many food and pharmaceutical applications, as well as for bulk bag unloading and screening of raw ingredients.



QuickChange™ NV Separators.
Screen changes have never been easier or faster with the operator-friendly QuickChange NV Separator from Sweco. QuickChange NV, powered by a self-contained hydraulic unit, reduces screen changing to a one-man operation. The system requires no outside utility hook-ups or staging area during screen changes. Changes can be made quickly, significantly reducing downtime and greatly increasing productivity.



Sono-Energy™. The Sweco Sono-Energy system allows separations of light bulk density powders previously thought impossible. The Sono-Energy creates a secondary ultrasonic vibration that prevents blinding on fine meshes (60-635 mesh). Numerous applications exist for epoxy powder, toner powder and powder paints. Sono-Energy also works well on heavy density powdered metals, including lead, nickel and chromium, by preventing lodging on near-size particles; therefore reducing blinding, and prolonging screen life.



PSI™. The pneumatic Sweco In-line Sifter is used to sift dry flowing material. It can also be used to segregate smaller particles from larger particles, and to remove foreign matter. It screens dry material only while being pneumatically conveyed. The PSI sifter includes an air by-pass system to provide equal pressure on both sides of the screening surface. Typical applications include: flour, starch, salt, sugar, and plastics.



PharmASep™. A fully contained Vibro-Energy Separator suitable for aseptic processes in the pharmaceutical industry. With a design that eliminates gaps, crevices and hidden areas, the PharmASep proves valuable to those processes handling potent and/or toxic substances where containment is an important issue. The PharmASep, with clean-in-place and steam-in-place capabilities, enables users to properly clean the machine without the need to disassemble and re-assemble, reducing downtime and ultimately increasing productivity. In the case of wet sieving, the PharmASep can dewater the product on the screen, apply vacuum, dry and discharge the dried product, eliminating the necessity for separate vacuum drying.



We Put Technology In Motion™
www.sweco.com

SWECO®

A FULL SPECTRUM OF PARTICLE SEPARATION SOLUTIONS

RECTANGULAR SEPARATORS

New technology adapts ultra-fine screen mesh for use in rectangular high capacity separators, yielding benefits previously found only on small circular screens. Fine mesh screen panels can be installed in five minutes without tools on many models. Once in place, an O-ring system creates a positive seal against bypass.



Full-Flow™ Rectangular Separators. Available with linear, round or elliptical motion, the Full-Flow is ideal for a variety of diverse applications. The linear motion is ideal for dewatering large volumes of heavy solids on coarse to medium meshes. Balanced elliptical motion is especially well suited for fine mesh dewatering of slurries. The gentler round motion screens viscous slurries at high rates through fine mesh. Whether you are processing wet or dry ... using coarse or fine mesh ... there is a Full-Flow that's just right for the job.



GyraMax™ Rectangular Separators. Sweco now offers our customers another separation solution to further optimize your facilities' production. The Sweco GyraMax Gyratory Sifter maximizes productivity, provides maximum vibration control, enables maximum recovery of clean, acceptable product. The drive unit is designed into the center of the machine to get the same screening efficiency over the entire screen surface. The result is maximum efficiency and maximum capacity for your application with no downtime for cleaning the screens.

SPECIALTY SEPARATION EQUIPMENT



Centrifugal Sifter. Sweco offers one of the broadest and most innovative product lines in the separation industry - the Sweco Centrifugal Sifter. This sifter utilizes centrifugal force generated by beater bars, propelling the product against a screen mesh, producing a high capacity separation device that separates material by particle size. This dust-tight unit produces virtually zero transmitted vibration and essentially no noise in typical production.



Turbo-Screen® Classifiers. Provides continuous, precise screening of dry materials, especially in the finer particle sizes. Uses screen sizes from 20-400 mesh for efficient separation of particles ranging from 850-70 microns. Handles the most difficult materials, including electrostatic materials and particles that tend to agglomerate easily.



White Water Filter. Provides high flow rate, fine mesh centrifugal screening to remove all particles larger than screen mesh opening with no dependence on differences in specific gravity. Ideal for effluent and water recycle streams for large plants. Units available that remove suspended solids down to 500 mesh (25 microns).

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