

LOW PROFILE

LX-LA



FLOW-THRU SEPARATOR

HIGH CAPACITY, WET OR DRY SCALPING
SEPARATOR IN A COMPACT, LOW
HEADROOM DESIGN



DUAL MOTOR
LX LOW PROFILE SEPARATOR

COMPACT & VERSATILE

Fits easily into existing product lines without reworking the system



SINGLE MOTOR
LA LOW PROFILE SEPARATOR

AVAILABLE IN 18" TO 60" DIAMETER MACHINES

The SWECO® Low Profile Flow-Thru Separator offers high capacity wet or dry scalping in a compact, low headroom design.

On all LX models, dual motors mounted on opposite sides of the Low Profile create the 3-D motion that allows maximum flow-thru of material.

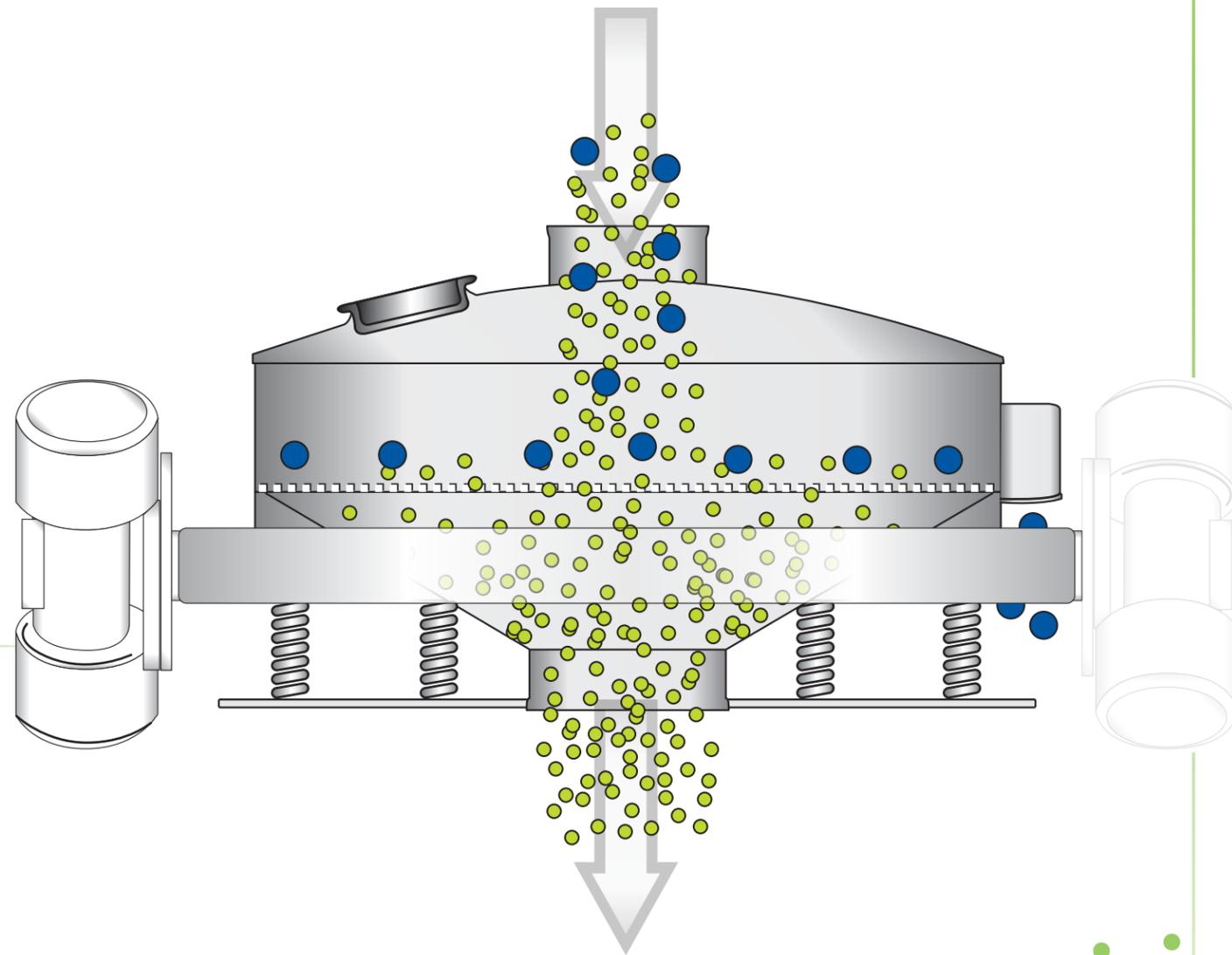
The LA model incorporates a single large vertically mounted motor to induce a sifting motion across the screen plane. The frames of the separator are mounted on 'rubber isolators' compared to 'springs' in conventional low profile and other standard separators.

Because of its low headroom requirements (as little as 15 inches) and straight, flow-thru design, the Low Profile fits easily into existing product lines without reworking the entire system. Inlets and outlets can be custom designed to mate with existing equipment and piping. The Low Profile is ideally suited for prepackaging screening in many food and pharmaceutical applications, as well as for bulk bag unloading and screening of raw ingredients.

CENTERLINE FEED & DISCHARGE

The feed inlet and product discharge spout are on the same centerline allowing simpler installation, equipment layout and retrofits to existing processes.

In scalping applications, product flows directly through the machine to the next step of the process.



APPLICATIONS

- Bag emptying above mixers
- Agglomerate and foreign matter removal
- Off-line screening and product reclaim
- Ingredient screening
- Prepackaging screening

GREATER THROUGHPUT

Side mount motors allow for maximum flow-thru of material through the separator. Throughput is determined directly by screen mesh. In addition, oversize material is efficiently removed from the screen surface with 3-D vibratory motion.

PROCESS OPTIMIZATION

Separation dynamics and discharge pattern can be optimized by adjusting motor force and motor orientation angle. This allows the user the ability to control the residence time of particles on the screen surface, creating optimal flow characteristics to meet your specific process needs.

COST-EFFECTIVE RETROFITS

Due to the low headroom requirement, the Low Profile fits almost anywhere in your existing process without reworking your entire system or even rerouting existing piping.

SANITARY DESIGNS

Internal ground welds, #4 finish and other options are available for sanitary applications to prevent product build-up and contamination.

STANDARD ACCESSORIES

Ball trays or sliders can be used to reduce screen blinding. Most motor, cover and spout connector options are available. The full line of SWECO screens, including Fusion™ and Magnum™, are available for use in the Low Profile.



BAG DUMPER & SCREENER SYSTEM

PROTECT YOUR PROCESS, PROTECT YOUR WORKERS

The quality containment system of the SWECO® Bag Dumper and Screener System effectively reduces the amount of dust particles escaping into the work environment, while efficiently channelling materials from bags into a SWECO separator. The dust containment system is integrated with a high performance SWECO Low Profile Flow-Thru Separator, allowing for high capacity dry scalping in a compact, low headroom design. The Bag Dumper eliminates the need for costly and time consuming labor hours necessary to clean up spilled material by capturing airborne dust particles before they can even enter the environment. The Bag Dumper System can be supplemented with an optional Integral Dust Collection System to eliminate virtually all harmful dust from entering the work environment.

SAFER WORK ENVIRONMENT

Potential injuries can be avoided because the Bag Dumper is designed to be ergonomically correct at the standard height of the worker. Additionally, the system can contain fine powders that typically become airborne, protecting the health of the workers while reducing the potential for dust explosions.

EFFICIENT

The Bag Dumper combines several functions into one complete system.

- Bag opening dumping station
- Dust collection system
- Separation / screening

OPTIMAL PERFORMANCE

The Bag Dumper is particularly beneficial in applications where material is fed into the process directly from purchased bags and must be screened to eliminate lumps, pieces of bag, paper, string or any other foreign material.

ECONOMICAL

The Bag Dumper reduces labor costs, improves housekeeping, reduces cycle-time, and reduces material loss.



SWECO has sales agents and/or licensees in most countries.

Manufacturers worldwide rely on SWECO.

We span five continents with 9 manufacturing and support facilities and over 100 sales and service representative offices.

So, wherever you are, be assured that SWECO – the global leader in screening technology – is there when you need us.