

# SEPARATOR



## SAFER, CLEANER & EASIER

NEW GENERATION SEPARATOR THAT  
INCREASES SAFETY, IMPROVES  
CLEAN-UP, AND SIMPLIFIES  
ADJUSTMENTS



# STRENGTH & ENDURANCE

A customizable solution from over 100 YEARS of engineering experience



Available in various diameters, HX Series Separators are customizable to each individual application.



## ProGlide™ LINEAR WEIGHT SYSTEM

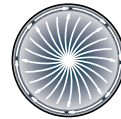
The top and bottom weights are equivalent and easy to adjust as there is only one weight to move. The weights are moved radially to dial in the optimal horizontal and vertical amplitude and force to improve each separator's efficiency and throughput.

## HOW SWECO VIBRO-ENERGY SEPARATORS WORK

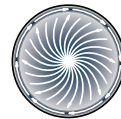
The SWECO Separator is a screening device that vibrates about its center of mass. Vibration is accomplished by eccentric weights on the upper and lower ends of the motion generator shaft. Speed and spiral pattern of material travel over the screen cloth can be set by the operator for maximum throughput and screening efficiency of any screenable product ... wet or dry ... heavy or light ... coarse or fine ... hot or cold.



0° Lead – Dry material is thrown straight and gives insufficient separation



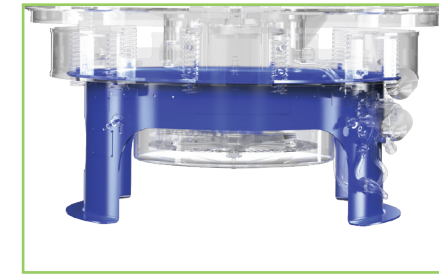
15° Lead – Material begins to spiral



35° Lead – Gives material maximum efficient screening pattern

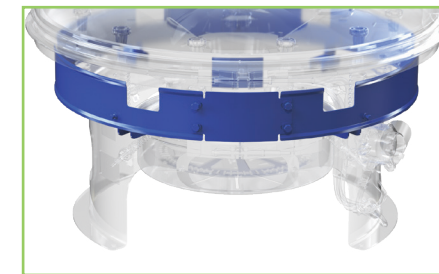


90° Lead – Keeps oversize material from being discharged and assists in receiving maximum throughput of minus material



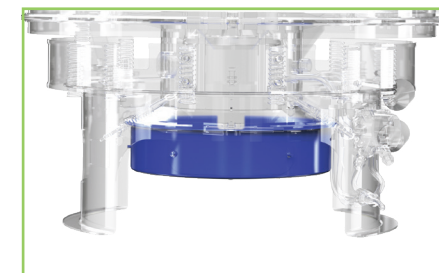
## EASY CLEAN BASE

The open base construction promotes cleaning underneath the unit, preventing dirt and product build-up to occur. The open construction scheme also allows for easier inspection and cleaning of the separator's underside.



## NON-VIBRATING SPRING SKIRT

The optional skirt eliminates the possibility of any pinch points that the springs may cause, as well as help protect foreign material and wash-down water from entering inside the base.



## LOWER WEIGHT GUARD

The lower weight guard encloses the motor and lower weight assembly, virtually eliminating the risk of reach-in injuries.



## SANITARY

Through customization of various finishes in product-contact areas, radius cornered spouts and more, the HX can meet various levels of 3A, USDA and FDA sanitary standards.



## COMPLIANCE

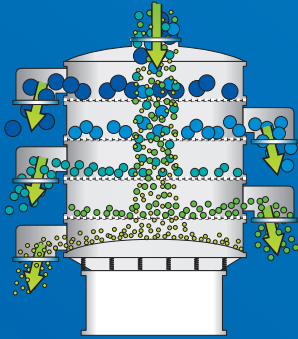
The HX Series Separators can be certified to CE and ATEX standards if required.



# INDUSTRY ADVANTAGE

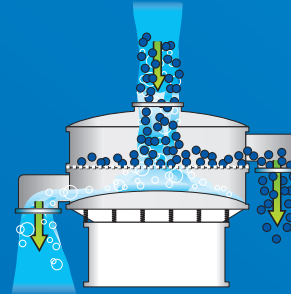
## SEPARATION PROCESSES

From Acid to Zinc and everything in between, SWECO has separated almost every application imaginable in the processing industry. And each application will typically fall within the following separation processes. Interpreting which process applies to your application is the first step in providing you a solution.



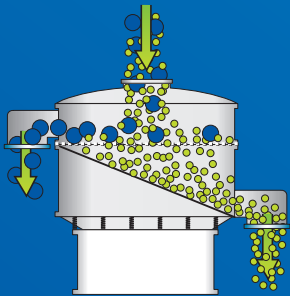
### SIZING

Sugar - spices - starch - soybeans - sawdust - salt - instant potatoes - animal feed - sand - abrasives - grit/shot - glass beads - detergents - rubber - polystyrene beads - paint - iron oxide - lead - tungsten carbide - ceramic and metallic powders - milling products - powdered pharmaceuticals - chemical and food products



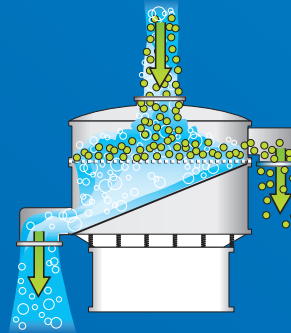
### GRAVITY FILTERING

Fruit juices - fish - soybean oil - brewer's yeast - sugar beets - other food products - latex - paint - catalyst - pulp and paper - carpets - animal blood - tallow - ceramic - kaolin - metallurgy - pharmaceuticals - ice cream



### SCALPING

Powdered milk - cereals and grains - sugar - instant coffee granules - chocolate powder - soybean flour - broth concentrate - potato granules - borax - abrasives - carbon black - metal powders - sand - paint - casein - plaster - detergents - fertilizer - tobacco - bone, blood and feather meal



### WASTEWATER CLEAN-UP

Potato peelings and waste - other food products - latex and other chemical products - manure - sewage - fruit - vegetable and pickle canneries - meat - poultry and seafood processors - brewery waste - laundry waste - pulp and paper effluent



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

## Manufacturers worldwide rely on SWECO.

We span five continents with 10 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.