

# AFTERMARKET

# SCREENS



## SEPARATOR SCREENS

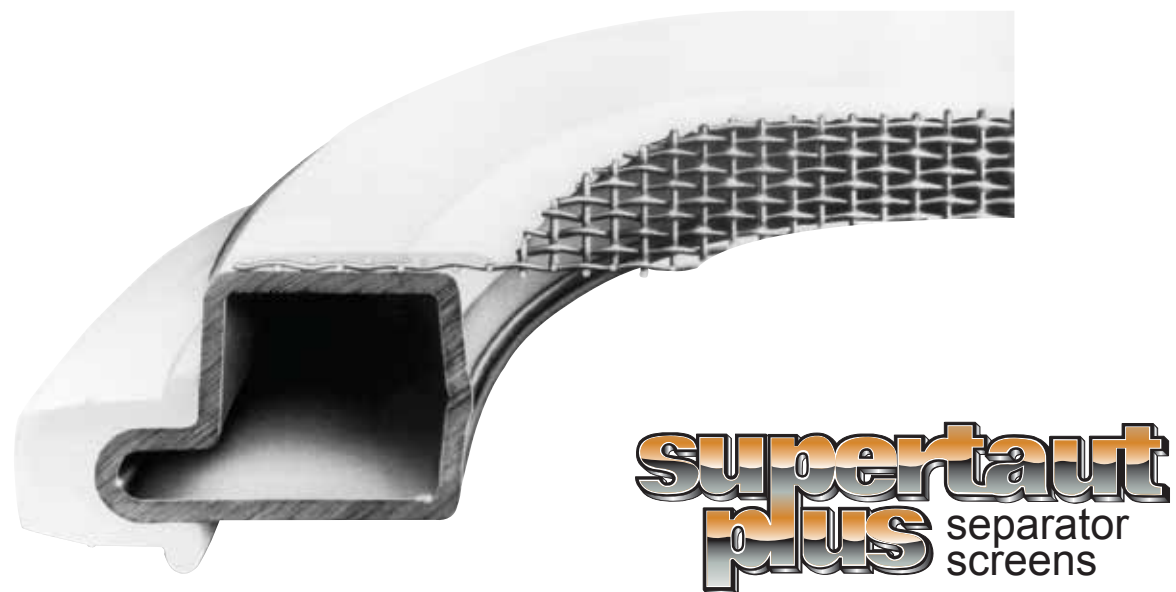
WHATEVER YOUR SCREENING NEEDS,  
LOOK TO SWECO FOR THE SOLUTIONS ...  
ROUND, RECTANGULAR, HOOK,  
BONDED EDGE, SANITARY AND  
MORE.



SUPERTAUT PLUS SCREENS

# SCREENING SOLUTIONS

When you compare SWECO with the others, you'll see there is no comparison



## SUPERTAUT PLUS SCREENS

Upon their introduction, Supertaut Plus screens were a breakthrough in screen technology. With the continually improving screen design and our commitment to service, we can handle your most challenging screening requirements.

The patented adhesive, developed by SWECO engineers, is the key to the success of the Supertaut Plus screen. This pure white adherent combines FDA approved chemistry with the durability to withstand caustic and steam cleaning and severe environments. The adhesive holds the type 316 stainless steel wire cloth firmly in place.

The foundation of every Supertaut Plus screen is the tension-support ring. These lightweight, disposable rings are rolled from stainless steel and welded for maximum strength.

Uniform screen tension built into every Supertaut Plus screen yields higher throughputs and longer screen life. SWECO's proprietary tension specifications result in greater consistency from screen to screen.

Each Supertaut plus comes with a pre-attached FDA food-grade-approved white gasket to speed screen changes.

## FUSION AND FUSION PLUS SCREENS

SWECO Fusion Screens are the latest in a long line of technologically advanced products from SWECO. Available in Fusion and Fusion Plus (FDA) construction, Fusion Screens have been designed to eliminate the use of adhesive, epoxy or silicone in screen manufacturing. Instead, the mesh is "fused" directly into the patented polymer construction tension ring. The robot construction also allows for rapid turnaround time so you get your screens faster.

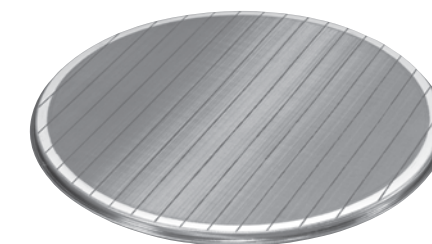
Fusion's unitary construction integrates the screen gasket directly into the tension ring. This design eliminates the handling and stocking of separate gaskets and provides a precision fit into the separator. This unitary design also reduces cracks and crevices, producing a more "cleanable" screen with less potential for cross contamination.



**FUSION**<sup>TM</sup>  
SEPARATOR SCREENS

## FEATURES AND BENEFITS

- No adhesives, epoxies or silicones
- Fast service / lead times
- Unitary design
  - Reduces cracks and crevices
  - Minimizes bacterial buildup
  - Improves cleanability
  - Less potential for contamination
- FDA approved construction on Fusion Plus



## MAGNUM SCREENS

Designed for increased strength, the patented Magnum Screen has shown significantly improved screen life over traditional designs.



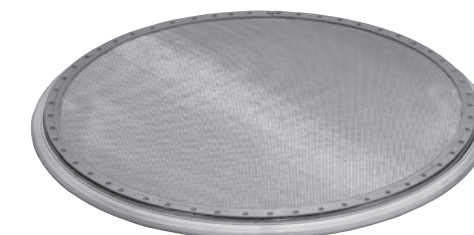
## SANITARY/PHARMA/FOOD

SWECO screen designs are tailored to meet the stringent requirements of Sanitary, Pharmaceutical and Food processors.



## SANIPLATE PERF PLATE

The SWECO SaniPlate's integral design eliminates the gaps that occur between the plate and the screen tension ring minimizing product build-up, creating a more sanitary environment.



## WELDED SCREENS

SWECO welded screens for those applications where temperature or chemical exposure make epoxy mounting unsuitable.



# SUPERIOR SWECO TECHNOLOGY

## Screening innovations that can make your process more efficient and cost effective

### SELF CLEANING "SANDWICH" SCREENS

SWECO Self Cleaning "Sandwich" Screens aid in screen cleaning and efficiencies. The sandwich design is comprised of a working mesh on top of the tension ring with a coarser mesh (support screen) attached to the bottom of the ring with sliders and/or balls placed between the meshes. The sliders and balls bounce off of the support screen and tap the top screen dislodging near size particles or fibers that tend to blind the screen and reduce screening area.

Self cleaning screens provide better cleaning action than self cleaning kits at lower vertical machine amplitudes resulting in reduced stress on motors and increased screen life. This enhanced cleaning action is also a result of the cleaning devices (sliders and/or balls) being closer to the working mesh (top screen).

Sandwich Screens perform at much lower decibel levels compared to perforated plates, and the cartridge construction is maintenance friendly.



### RECTANGULAR SCREENS

In addition to round screens, Supertaut Plus, Magnum, and Fusion mounting is also available on pre-tensioned rectangular screens. Fusion Rectangular Screens utilize a robust cage design offering durability with strength that conveys solids more efficiently than traditional rectangular screens. Fusion screens weigh less than metal-frame screens and are recyclable and disposable; reducing inventory and saving handling and shipping costs associated with rescreening.

SWECO can offer a customized screen solution for every application. Rectangular pre-tensioned screens offer ultra-tight

mesh mounting in a variety of configurations, including the one-piece cartridge self-cleaning design which provides dynamic anti-blinding for wet and dry materials.



### SELF-CLEANING KITS

Self-Cleaning Kits aid in screen cleaning for increased screening efficiencies. The devices are made up of a perforated plate mounted below the screen ring with sliders placed between the perforated plate and the working mesh. The sliders work to keep the working mesh clean by tapping out or shearing off lodged, near-size particles that tend to blind the screen and reduce screening area.



### BALL TRAYS

Ball Trays are available for those desiring a more conventional rubber ball anti-blinding arrangement. A coarse screen is mounted two inches below the sizing screen. Elastomeric balls are placed on this coarse support screen and the separator's vibrating action bounces the balls against the underside of the screen cloth of the working mesh, dislodging any near-size particles.



### WHEELS, WIPERS, NECKLACES

Power Wheels, Power Wipers, and Power Necklaces are designed to sit atop the screen ultimately to increase throughput and improve efficiency and product yield. These top-side screen devices help to keep the screens clean and break up any agglomerated material and help it through the screen.



### C2 GASKET

For applications where the presence of static electricity is possible, SWECO offers a variety of solutions for grounding to enhance worker and equipment safety. Grounding straps or lugs can be applied to most mounting techniques. The proprietary C2 Gasket offers grounding in an FDA compliant construction or, alternatively, standard conductive EPDM/Neoprene is available.



### HOOK AND BONDED EDGE SCREENS

SWECO offers SuperHook and SuperBond screens designed to fit virtually any rectangular vibratory separator and gyratory sifter on the market.

SuperHook screens are available in a variety of hook styles and configurations to meet the most stringent requirements. Standard hooks are galvanized steel or optional stainless steel and come in one- or two-piece designs in sizes up to 12 feet in length.

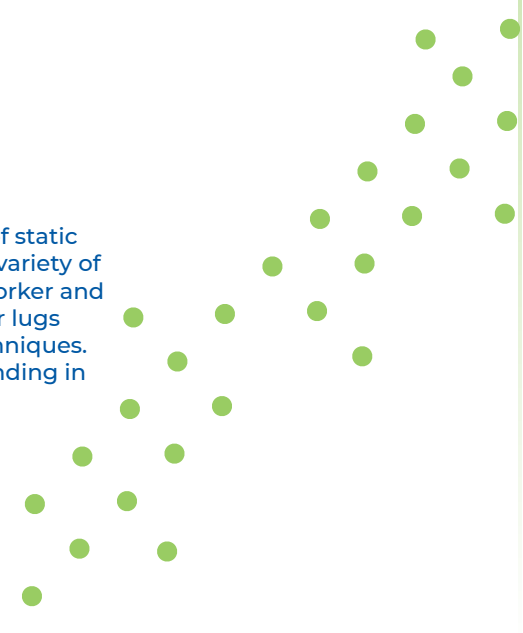
SuperBond Sifter screens are supplied in various sizes for general purpose applications and high-strength grommet styles for auto-tensioning units.

Most hook or sifter screen installations require edging or center strip materials to provide the best screen life. SWECO offers edging in FDA compliant canvas and vinyl edging for process temperatures up to 200oF (93oC). For applications over 200oF (93oC) a black high-temp edging is available.



### OTHER REPLACEMENT SCREENS

SWECO manufactures screens to fit virtually all rectangular separators with options including stainless or standard galvanized material, special edgings such as plastic, fold-back or vinyl. SWECO also manufactures screens to fit virtually all gyratory sifters with offerings including edgings in canvas, high-temperature and clear vinyl.





# SUPERIORITY OF SWECO CLOTH



## CERTIFIED SCREEN PROGRAM

The Optical Screen Comparator is an imaging system which uses a high powered zoom lens to take a microscopic look at a screen mesh. The comparator is used in the SWECO Certified Screen Program to certify that a given screen corresponds to its stated screen mesh. This program is ideal for industries that demand exacting tolerances. After a screen is manufactured, it is scrutinized under the comparator to insure the wire diameter and mesh openings are within specified tolerances. Only those screens that pass these rigid tests receive a certificate showing the exact measurements.

## SCREEN MESH QUALITY

Incoming screen mesh quality is essential to providing good screen life and producing a final product that separates quickly and accurately. SWECO standards for wire mesh are some of the strictest in the industry. In addition to complying with ASTM requirements, additional quality parameters are utilized based on decades of supplying process screens to a broad range of industries.

## SCREEN CLEANER

As an additional service to our customers, SWECO Premium Screens are automatically cleaned and dried. This manufacturing method removes residual wire drawing oil and grease.

## SPECIALTY CLOTH 430 SS MAGNETIC CLOTH

If your process utilizes magnets for removal of metallic objects prior to product packaging, then 430 Magnetic Stainless Steel Wire Cloth could be an option. The physical properties of this cloth allow it to be retrieved using magnets in the event of screen breakage. SWECO stocks a variety of meshes in this alloy, particularly in the Tensile Bolting Grades.

## SYNTHETIC CLOTH

SWECO offers an alternative to stainless steel by supplying synthetic meshes constructed of polyester, nylon or polypropylene. These meshes are stocked at SWECO in a range from 4 to 600 mesh. Combining synthetic cloth with SWECO's proprietary FDA Dura ring results in a screen assembly that limits stainless steel product contact.

We offer screens that meet specifications from these and other industry organizations.



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.