

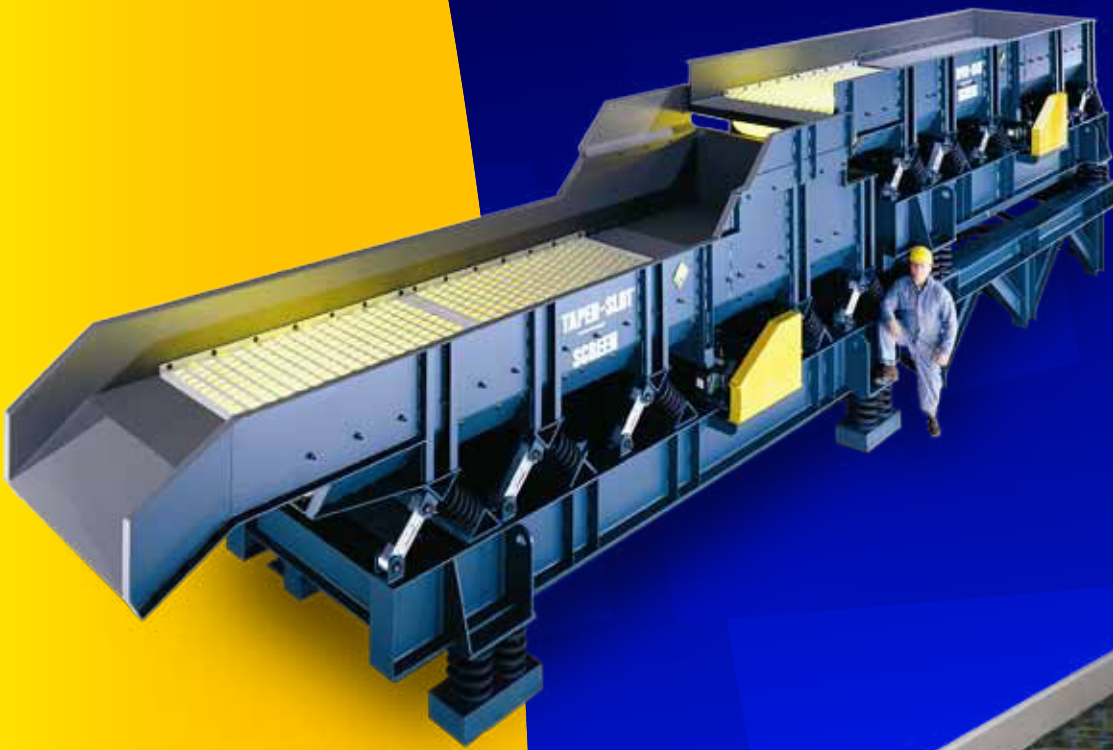


VIBRATORY EQUIPMENT

TAPER-SLOT[®] Screen

***“ALL SCREENS ARE
NOT CREATED EQUAL!”***





**BUILT TO
ORDER
MADE TO
LAST**

SCREENING PERFORMANCE

The secret to gaining a competitive edge is to place separation technology in first place – as a primary solution. The innovative TAPER-SLOT® Screen is designed to excel in challenging applications that conventional screens can not handle. The TAPER-SLOT® has a proven track record of superior reliability and consistent performance.



TAPER-SLOT® SCREEN APPLICATIONS

- Construction & Demolition (C&D)
- Scrap Tires
- Wood Waste
- Landfill Reclamation
- Compost
- Auto Shredder Residue (ASR)
- Aggregate & Dirt
- Commingled Recyclables
- Municipal Solid Waste (MSW)
- Commercial Waste
- Metal from Bottom Ash
- Glass, Plastics, & Metal
- Refuse Derived Fuel (RDF)
- Electronic Waste (E-Scrap)
- And many other materials



TAPER-SLOT® Screen

IN-FEED

LOAD PLATE

The heavily reinforced and bolted load plate with length to suit permits direct loading with an excavator, loader, grapple, or simply a belt conveyor

LONG STROKE

REACTION SPRING

Operating strokes of 1.25" (32mm) are necessary for the efficient screening of a wide range of bulk materials and eliminates the need for substantial unit declines saving valuable elevation.

SUB-PAN ACCESS / CLEAN-OUT PORT

STABILIZER ARMS

Each long life rocker arm is fitted with precision-machined torsion bushings to control trough motion.

VIBRATION ISOLATION

Isolation springs minimize the transfer of dynamic loads to support structures / foundations.

SYMPATHETIC BALANCER

Often referred to as the second moving mass, the balancer moves oppositely to the shaft-driven trough and functions to actively reduce dynamic loads.

SUB-PAN & LINER

The sub-pan collects and conveys the screened fraction to a single discharge point and is commonly lined with stainless steel or flexible polyurethane to minimize wear and material adherence.

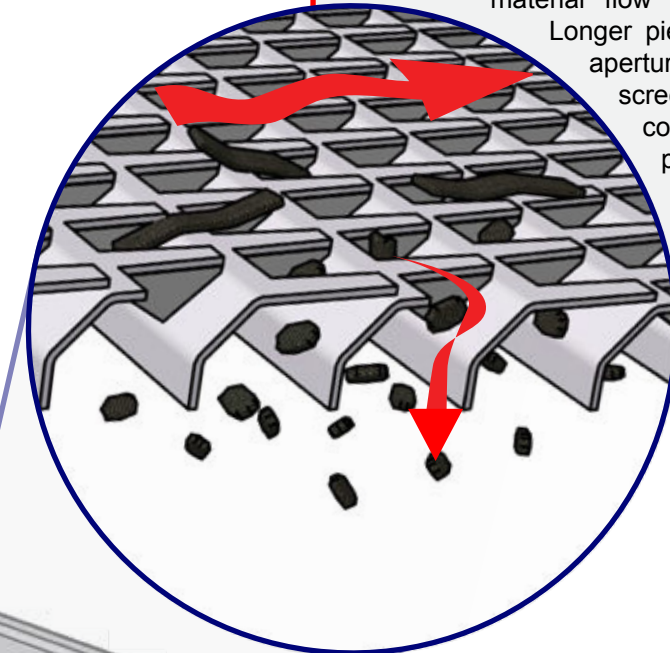
ACTION also offers a **NO SUB-PAN OPTION** for applications where extreme material adherence is anticipated.

VERTICAL DROP

A material cascade or "waterfall" at the mid-point of the TAPER-SLOT® Screen functions to turnover material and increase downstream screening efficiency

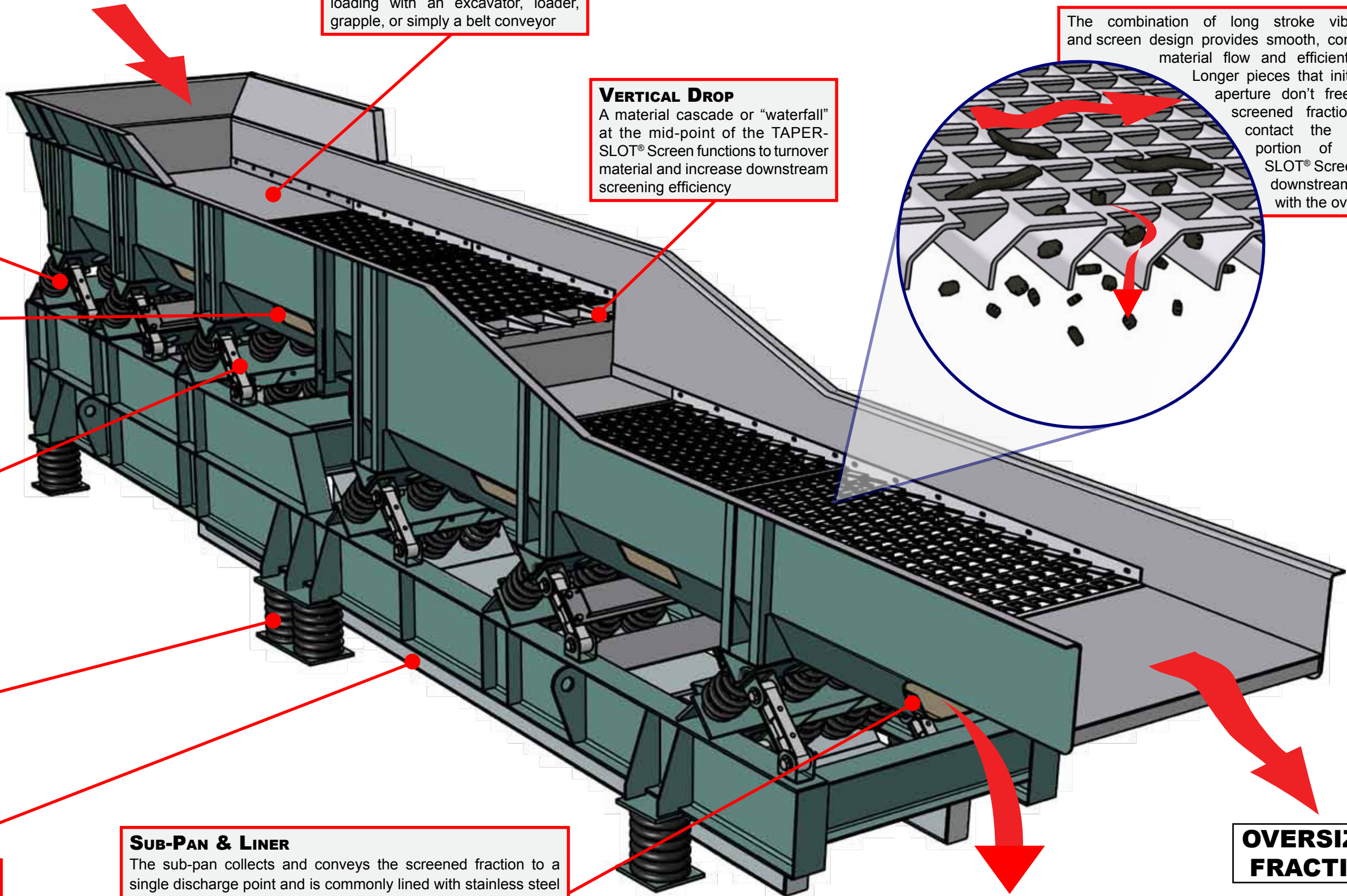
The combination of long stroke vibratory action and screen design provides smooth, continuous, material flow and efficient separations.

Longer pieces that initially enter an aperture don't free-fall into the screened fraction but rather contact the formed "tail" portion of the TAPER-SLOT® Screen and convey downstream for discharge with the oversize.



SCREENED FRACTION

OVERSIZED FRACTION



LATERAL WEDGE ELEMENTS

Unlike conventional finger screens, the highly efficient TAPER-SLOT® Screen, with patented lateral wedge members, offers the following benefits for superior screening performance:

1. HANG-UP ELIMINATION

Lateral wedge deflectors prevent material from shifting laterally and catching under or wrapping around finger tips, thus allowing the screen to remain clean for maximum screening efficiency.

2. ACCURATE SIZING

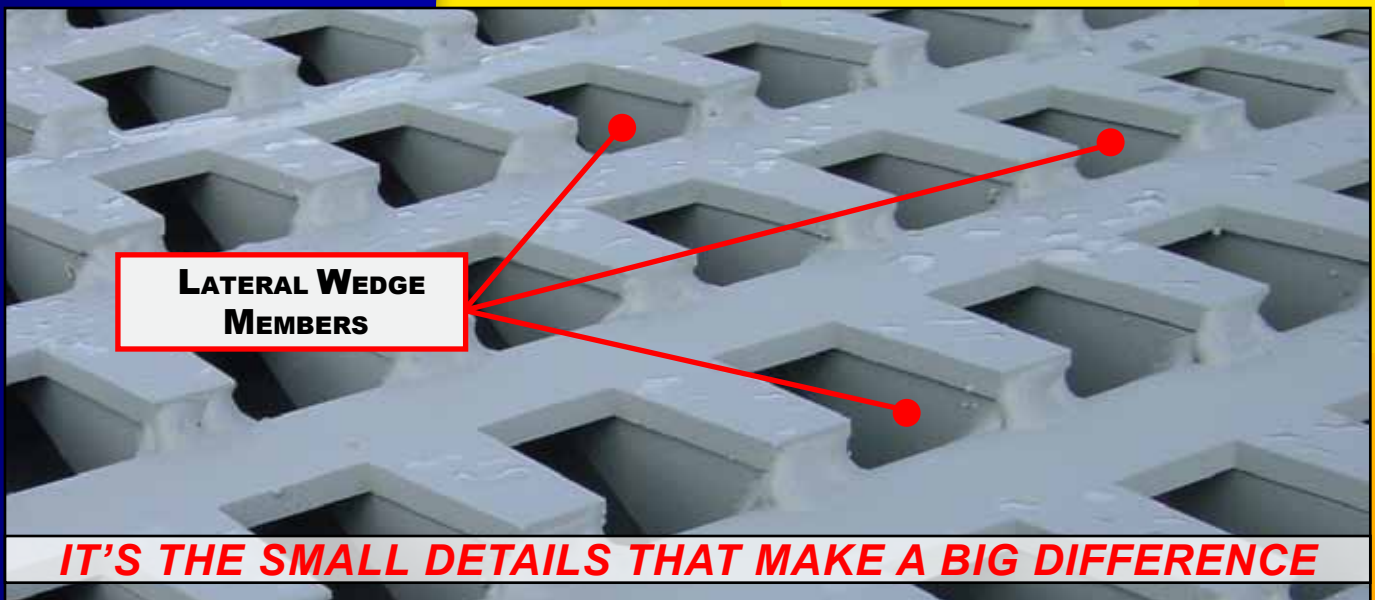
Lateral wedge deflectors prevent longer, often oversized materials from shifting sideways under a finger tip and falling into the accepts.

3. ULTRA-RIGID

Lateral wedge deflectors prevent undesirable “finger-bending” and function as gussets under each finger to provide the ultimate in rigidity for long screen life.

4. SELF-RELIEVING

Staggered fingers and divergent openings allow particles the opportunity to self-relieve / cam-out.



TAPER-SLOT® SCREEN ADVANTAGES



- No plugging, blinding, or hang-ups common to conventional perforated or wire mesh screens
- Accurate Sizing
- Screen multiple sizes per unit
- High throughput performance
- Easy to install, maintain, and operate
- Screen sections are modular and easily changeable
- Eliminates belt conveyors
- Does not "fluff" or increase material volumes of lightweight materials such as paper
- No periodic stops or re-tunes due to material wrapping around fingers, discs, shafts, gears, chains or sprockets
- SAFE. Unlike trommels (rotating perforated cylinders), the TAPER-SLOT® Screen isn't dangerous to fix and maintain
- Minimum horsepower and operating costs
- Distributes material flow at a regulated rate to downstream equipment such as a sort line or grinder
- Each TAPER-SLOT® Screen is customized to meet application requirements including apertures with optimized open area



UNCOMPROMISED EXCELLENCE

Since inception in 1972, Action Equipment Company, Inc. (ACTION) has been dedicated to the design, manufacture, and installation of vibratory equipment for the efficient processing of bulk materials. Sawmills, foundries, quarries, power plants, downstream metal processing, and recycling facilities worldwide rely on ACTION expertise and equipment. We have earned a reputation as vibratory specialists with common-sense engineering solutions, technological ingenuity, unwavering equipment reliability, and responsive customer service. We invite you to discover ACTION's uncompromised commitment to excellence.



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