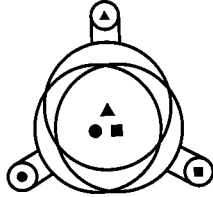


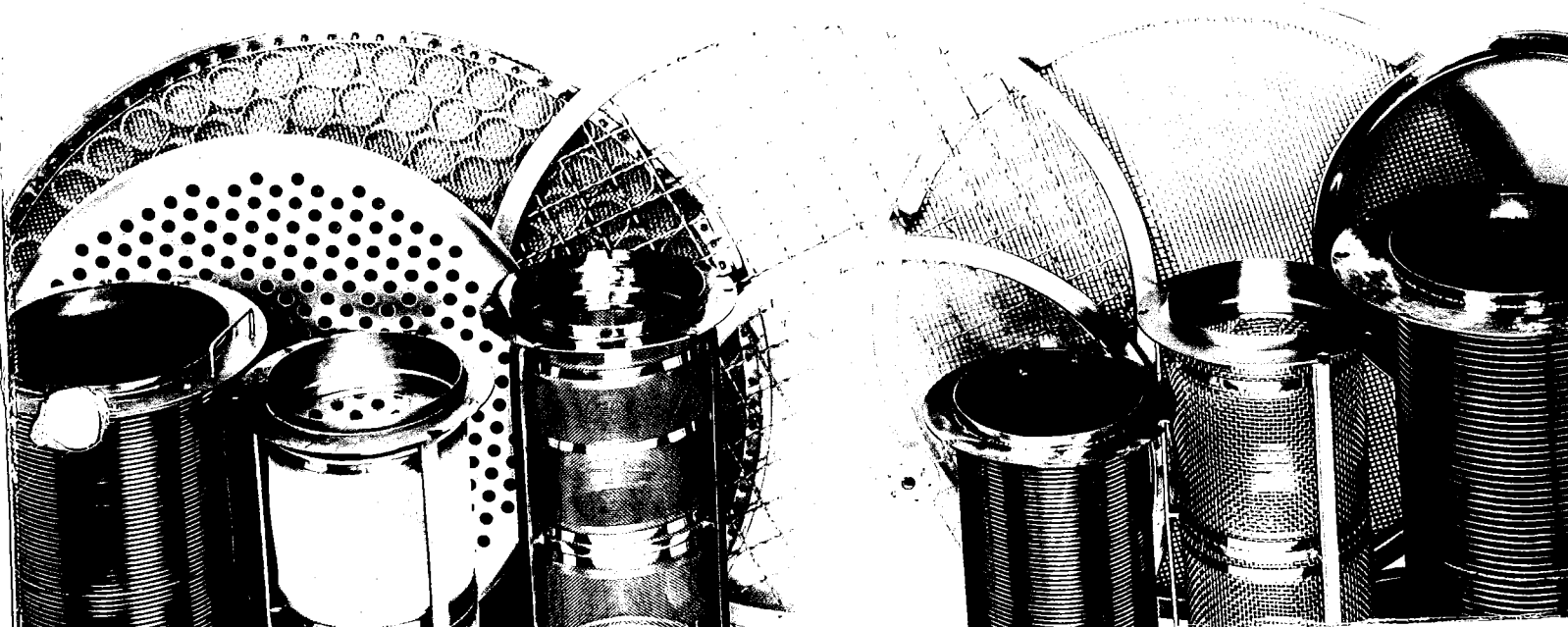
SCREENING AND PROCESSING EQUIPMENT FOR BULK SOLID MATERIALS AND SLURRIES

AN OVERVIEW OF
*Vibratory Screeners, Centrifugal Screeners,
Static Sieves, Fluid Bed Dryers/Coolers/Moisturizers,
Spheroidizers and Pellet Coaters*

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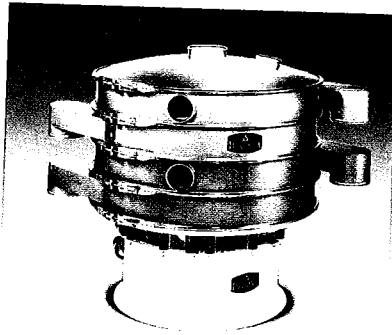


kason



VIBROSCREEN®

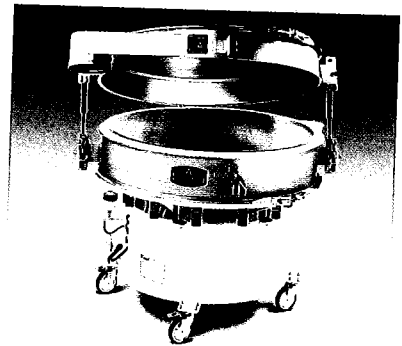
Circulatory Vibratory Screeners



Multi-Deck Vibratory Classifier

Classifies a feed stream into precise segments

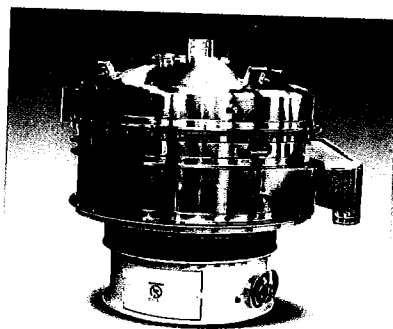
Kason vibratory screeners with multiple decks yield up to five precise particle classifications from 5 μ m to 25 microns. Available with a variety of anti-blinding devices, they handle dry, moist, lumpy, stringy and otherwise difficult-to-handle bulk material on a batch or continuous basis. They are available constructed of stainless steel to industrial or sanitary standards, in diameters from 18" to 100" (460mm to 2540mm). Options available for rapid screen changes, in-place cleaning, and fast, thorough washdown.



Vibratory Screener with Clamshell Lid

Allows rapid screen changes, easy washdown

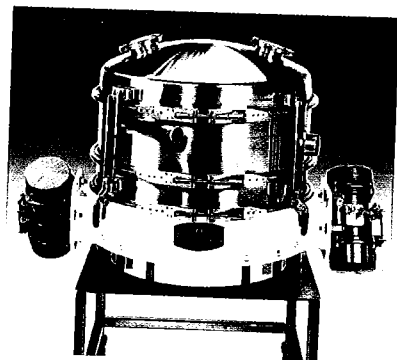
All Vibroscreen® separators from 30" to 84" (760mm to 2135mm) in both single- and multi-deck configurations are available with Kason's exclusive "clamshell" option. The hinged lid and/or frames are released via quick-disconnect clamps and held in an open position by gas pistons, allowing rapid screen changes and easy, thorough washdown of all interior surfaces. The Clamshell Lid accepts screens with or without center tensioning construction, and accommodates screen decks with or without anti-blinding devices.



BLO-THRU High-Capacity Screener

Scalps in-line with pneumatic conveying systems gently, at high rates

BLO-THRU Vibroscreen® separators scalp dry materials in-line with dilute-phase pneumatic conveying systems at high rates, removing oversize particles and foreign materials from plastic resin, flour, starch, sugar, and numerous food and chemical products. These pressurized systems are ideal for loading/unloading of trucks or rail cars, or conveying materials between process or storage areas. Available in diameters from 24" to 60" (610mm to 1530mm) to handle up to 30,000 lbs./hr. (13,600 kg/hr), depending on material. For higher capacities see BLO-THRU/FLO-THRU model at right.

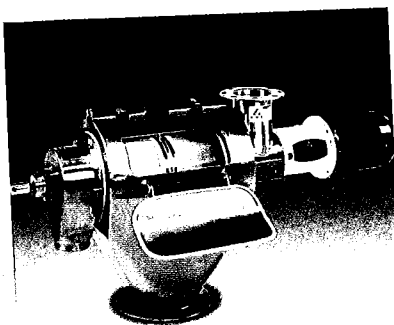


BLO-THRU/FLO-THRU Dual-Screen Ultra-High-Capacity Separator

Scalps in-line with pneumatic conveying systems gently, at ultra-high rates

Material enters the central chamber through a tangential side inlet, avoiding 90° impact and subsequent breakage of oversize particles. Air flow propels material upward through a top screen and downward through a bottom screen simultaneously at rates to 60,000 lbs./hr. (27,200 kg/hr). On-size material above the top screen is pneumatically conveyed through an internal bypass to the product discharge outlet. Oversize material ejects at the lower screen's periphery. Available in 48" and 60" (1220mm to 1530mm) diameters.

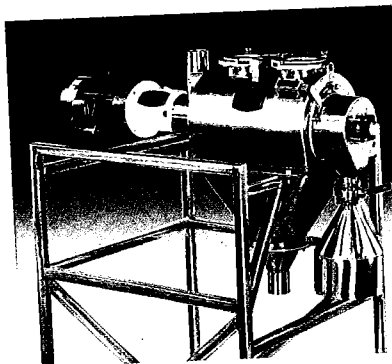
CENTRI-SIFTER® Centrifugal Screeners



Centrifugal Screener

Sifts, scalps, dedusts, delumps, dewater at high rates

The Centri-Sifter® centrifugal screener separates solids from solids or slurries at high rates. Rotating paddles propel on-size particles or liquids through a cylinder of woven nylon monofilament or stainless wedgewire screen. Rotating paddles break up lumps and handle difficult-to-separate materials. Offered with numerous anti-blinding devices. Access door allows rapid inspection, washdown and screen changes. Available to industrial, 3-A, FDA, USDA, and BISSC sanitary standards, and in low-profile and twin configurations.



BLO-THRU Centrifugal Screener

Screens in-line with pneumatic conveying systems at high rates

The Centri-Sifter® centrifugal separator de-agglomerates and screens materials in-line with dilute-phase pneumatic conveying systems, eliminating the need for cyclone separators and rotary air locks. Rated for positive pressures to 14.9 psig (1 barg) or negative pressures to 14" (356mm) vacuum. Rotating helical paddles continuously propel material through apertures in a cylindrical screen. Oversize particles are ejected via a manual or automatic valve into a sealed, quick-release receptacle.

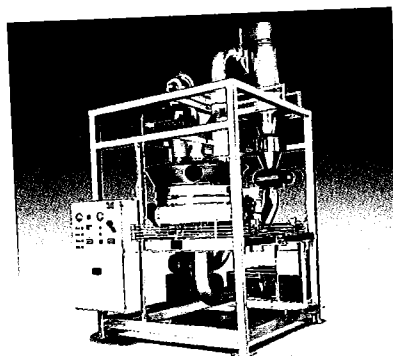
Circular Fluid Bed Dryers, Coolers and Moisturizers



Circular Vibratory Fluid Bed Processor

Dries, cools, moisturizes with greater efficiency at lower cost

This award-winning design increases efficiency, cuts cleaning time and reduces cost, compared with rectangular fluid bed dryers, coolers and moisturizers. The circular shape with quick-disconnect housing requires only one air inlet and outlet, and is inherently rigid, allowing materials of construction to be down-gauged, vibratory motors to be down-sized, and associated components to be eliminated. Reductions in material, required welding and labor decrease cost, especially when finished to sanitary standards. Models from 18" to 84" (460mm to 2135mm) in diameter.



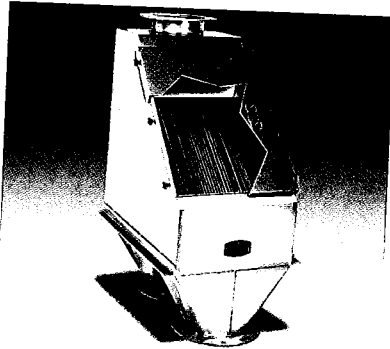
Self-Contained, Vibratory Fluid Bed Dryer System

Consolidates all primary components on compact skid

At less than half the size and weight of rectangular fluid bed systems of equivalent capacity, this compact fluid bed dryer system consolidates a Centri-Sifter® centrifugal delumper, circular fluid bed processor (48" [1220mm] diameter shown), heater, blower, and cyclone separator on a shippable frame. With on-site connections to a power source, bag house, and material inlet/outlet, it is ready to run on a batch or continuous basis. Reductions in interior weld seams and surface area cut cleaning time by more than 50 percent.



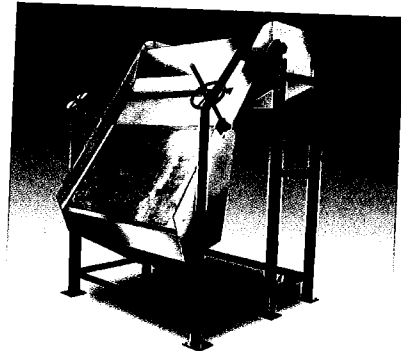
CROSS-FLO Static Sieves



CROSS-FLO Static Scalping Sieve

Scalps coarse, free-flowing dry solids at ultra-high rates

The CROSS-FLO static sieve continuously removes oversize particles from coarse, free-flowing, dry bulk solids at rates to 100 tons (91 metric tons) per hour. The fixed-slope, heavy-duty, permanent bar screen is offered with apertures from .25" to 3" (6mm to 76mm). Because the sieve requires no electrical drive or screen changes, initial cost and operational cost are low. Standard units are available in widths from 2' to 6' (610mm to 1830mm) in 1' (305mm) increments, with larger sizes available on a custom basis.

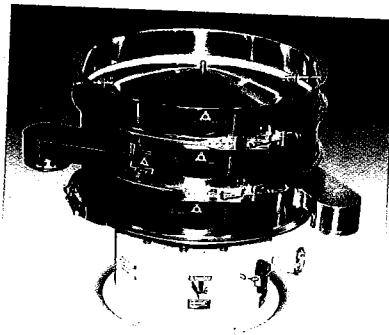


CROSS-FLO Static Dewatering Sieve

Removes solids from waste streams at ultra-high rates

The CROSS-FLO static dewatering sieve continuously clarifies high volumes of wastewater at low cost. The screening deck is fitted with stainless steel profile wire screen having slots oriented perpendicular to the flow of material, accelerating fluid through the screen in accordance with the "Coanda" effect. The deck is adjustable to maximize dewatering rates and is offered in widths from 2' to 6' (610mm to 1830mm) in 1' (305mm) increments. Two-deck models separate two sizes of solids.

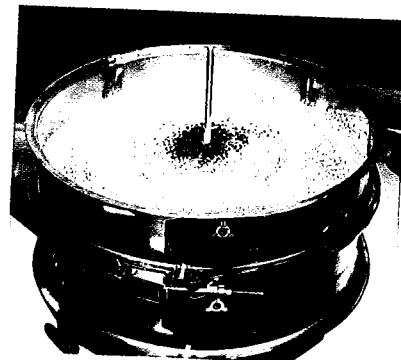
Spheroidizers and Pellet Coaters



Vibratory Spheroidizer/Agglomerator

Produces spherical particles

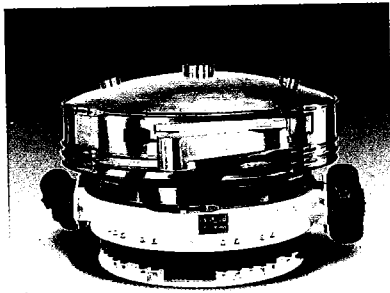
The patented Kason spheroidizer utilizes vibratory energy to produce high-strength, uniform, spherical particles, and is particularly suited to sanitary applications. Factors affecting the size, uniformity and density of the finished product include the amplitude and frequency of vibration, as well as the number and slope of spheroidizing cones that affect dwell time. Binder may be applied to powder prior to entering the spheroidizer, or through integral spray nozzles within the unit. Available in diameters from 24" to 72" (610mm to 1830mm).



Pellet Coater

Coats sticky pellets with powder

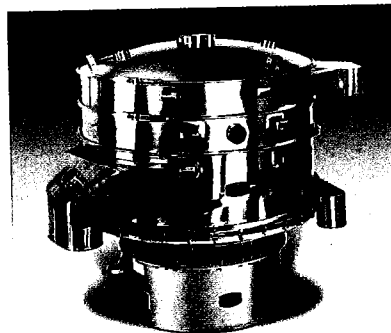
The Kason Powder Coater utilizes the vibratory energy of a Kason screener to coat sticky pellets with non-reactive powder for storage and shipping. Pellets are fed into the center of a coating chamber which is continually filled with powder, and become coated as they roll outward to the edge of the chamber. As pellets land on the screen, excess powder falls through the screen and collects for recycling. Coated pellets exiting through the discharge spout remain discrete during shipping.



FLO-THRU Low-Profile, High-Capacity Scalper

Separates at high rates in low-headroom areas

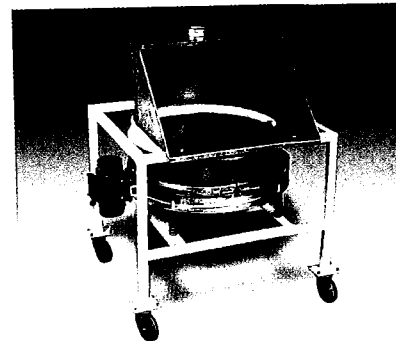
Flo-Thru Vibroscreen® separators employ two unbalanced-weight gyratory motors mounted on opposing exterior sidewalls of the unit (instead of one motor positioned beneath the screening chamber), reducing minimum height requirements significantly. This Kason innovation also enables the bottom outlet to be located directly below the top inlet, allowing material to fall vertically through the screen at high rates. Available in diameters from 18" to 84" (460mm to 2135mm).



Auxiliary-Discharge High-Capacity Screener

Scalps and dedusts at ultra-high rates

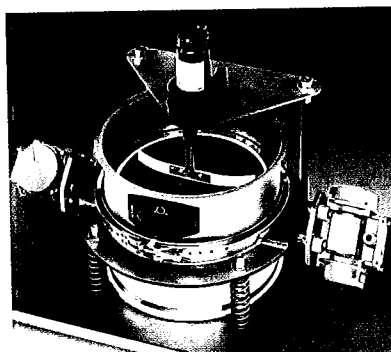
Auxiliary Discharge screeners employ a coarse upper screen to scalp, and a fine-mesh lower screen to dedust. On-size material is discharged at high rates via a 360° annular gap (instead of a discharge spout) into the unit's outer frame, eliminating a material choke point. Material drops freely onto a steeply sloping pan and exits through a large discharge spout at rates up to 70 tons per hour. Available in diameters from 60" to 100" (1530mm to 2540mm).



Bag Dump Screening Station

Maintains quality, contains dust

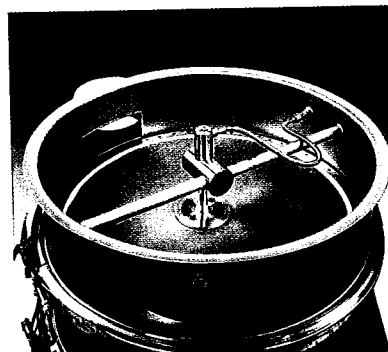
The Kason Bag Dump Station employs a vibrating separator to scalp lumps, oversize particles, paper bag pieces, string, and other foreign objects from materials dumped manually from bags, drums, boxes and other containers. Available in 24" (610mm), 30" (760mm), or 40" (1020mm) diameters, the units can be fitted with integral bar magnets, self-contained dust collection systems, and high-strength decks to support containers being dumped. Outlets available for connection to any conveyor or process equipment.



Wiper Blade Assembly

Breaks down lumps and agglomerates

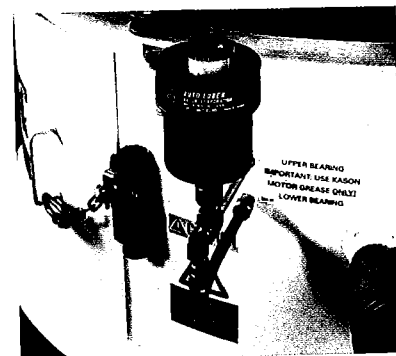
The independently driven Wiper Blade Assembly, available on Kason FLO-THRU vibratory screeners, breaks down lumps and prevents screen blinding. The assembly is mounted to the unsprung base plate of any FLO-THRU separator. Independent adjustment of wiper blade height and blade rotation from 1 to 15 RPM results in greater delumping efficiency and capacity than with passive wiper assemblies rotated by vibratory-induced friction. Flexible rubber wiper blades or bristle brushes can be affixed to agitator shaft arms.



Kasonic® Ultrasonic Anti-Blinding Device

Allows clog-free, fine-mesh sifting

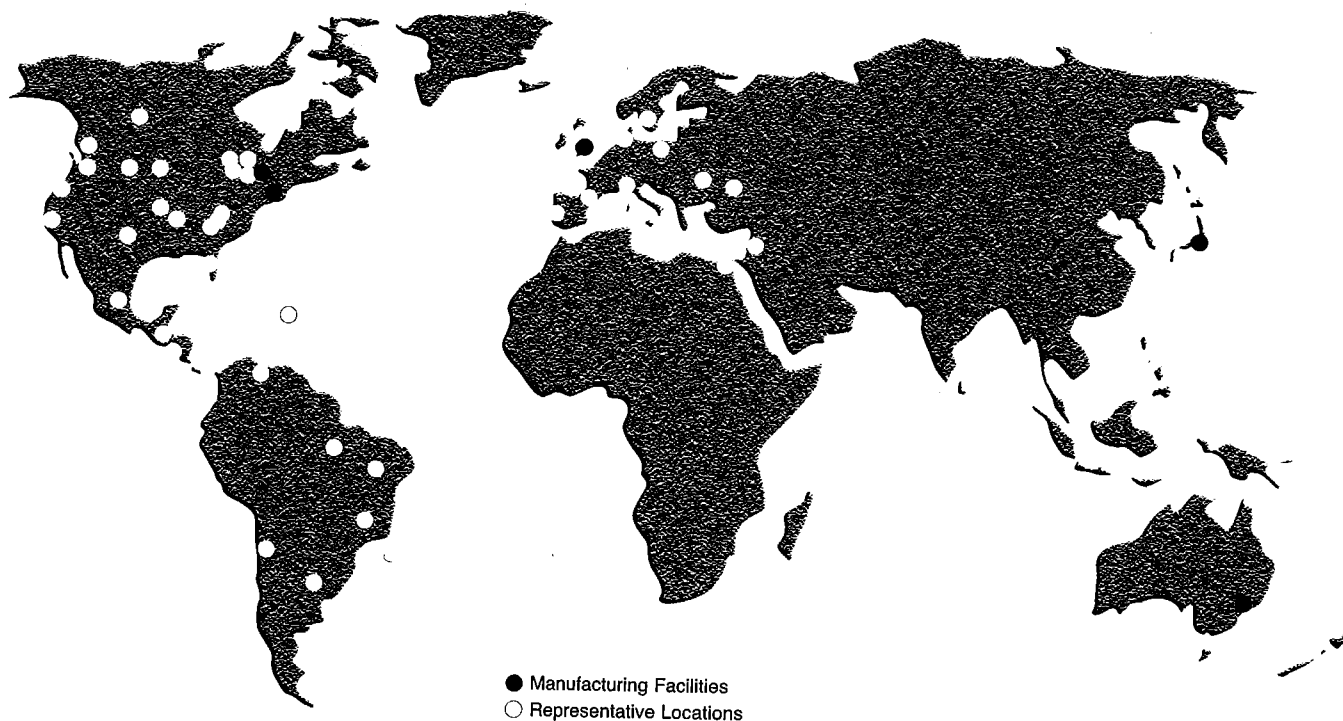
This patented device allows sifting of powders as fine as 25 microns (500 mesh) at high rates with no screen blinding. Single or multiple transducers (for large diameter machines) transmit ultrasonic frequencies to the screen surface in continuous or pulse mode, automatically adjusting power to maintain constant frequency as screen loads vary. Transducers operate with standard screens and are not fixed to the woven wire mesh, reducing re-screening costs significantly. Readily installed on any new or existing vibratory screener.



Automatic Lubrication System

Prevents gyratory motor failure

Unbalanced weights in gyratory screener motors subject bearings to extreme loads. To prevent premature bearing failure, the exclusive Kason Auto-Luber automatically pressure feeds lubricant from a replaceable reservoir into motor bearings for 6 to 12 months, continuously flushing the race of wear materials and eliminating dead spots where up to 95 percent of lubricant can otherwise remain unused. The Auto-Luber can be retrofitted to all makes and models of circular vibratory screeners of 48" (1220mm) and larger diameters in one hour.



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