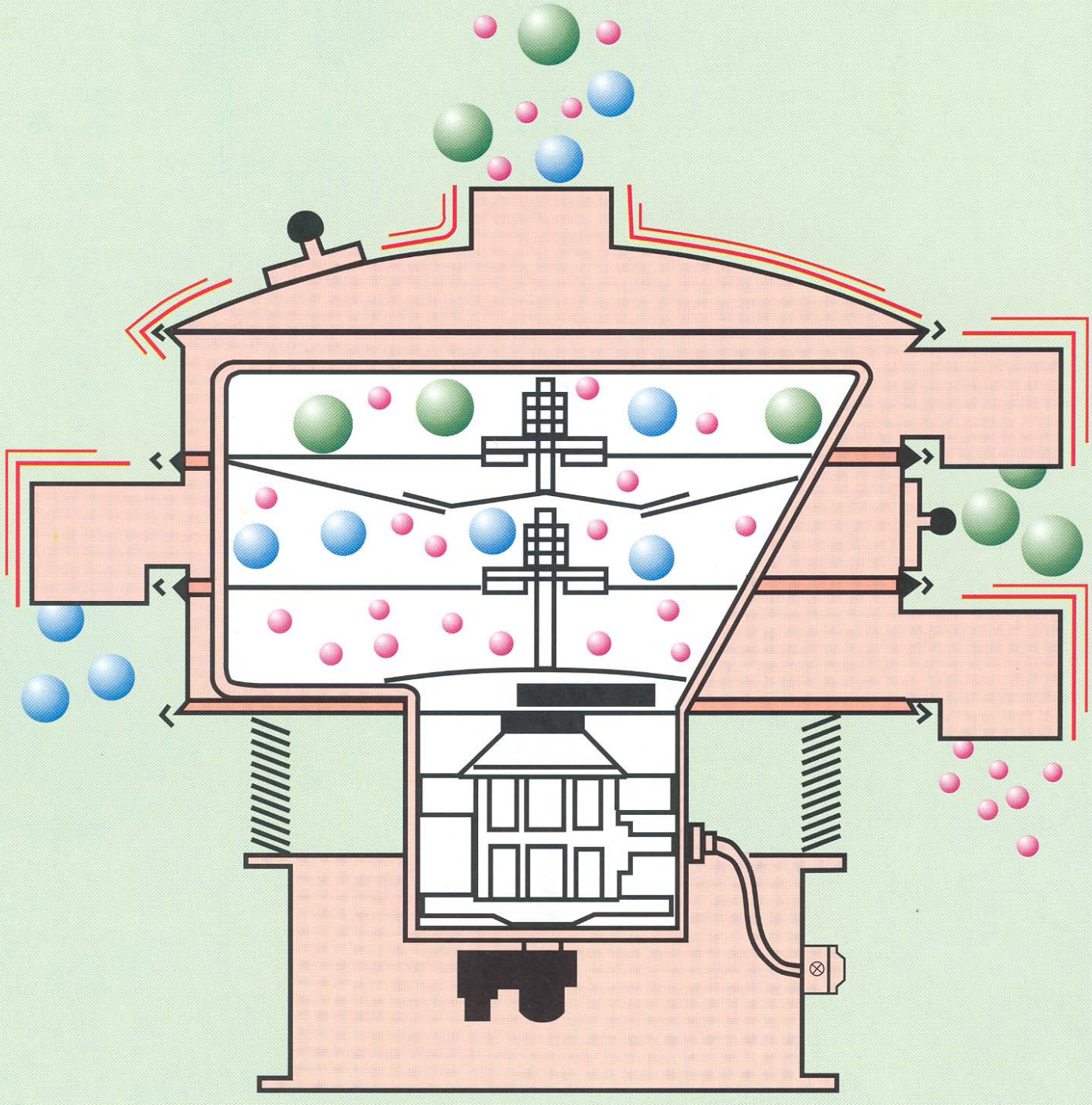
AMKCO VIBRA-SCREEN SEPARATOR

RELIABLE AND EFFICIENT



CHOICE OF DESIGNS FOR EFFICIENT SEPARATION – WET OR DRY

AIR TIGHT SEPARATOR

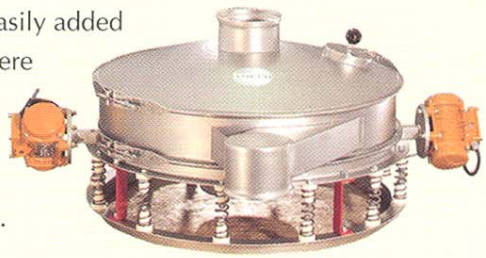
Designed for screening in pneumatic conveying systems. Primarily for in-line scalping of dry, free-flowing materials. Assures efficient removal of oversized particles and foreign materials during loading or unloading of tank trucks and rail cars, or while conveying materials to storage or process. Sizes from 24" to 72" with stainless steel on all product contact surfaces.

AUXILIARY SERIES

Auxiliary series feed frame to increase screen area by up to 70 per cent within the same frame height. Applied to increase efficiency of a separation or increase thru-put.

STRAIGHT-FLO SEPARATOR

High volume scalping requires a design where the material only hesitates as it flows through the screen and out of the separator. The straight-flo design has dual vibrating motors attached externally at the sides, and a centre conical discharge spout directly in line with the feed. The in-line feature and low height allows the scalping function to be easily added to existing flow lines, where overhead space is a premium, and on-size product drops directly down to the next process. Recommended for high volume dry scalping or high volume wet filtering. Available in all model sizes.



VIBRA-SCREEN

High efficiency circular vibratory separators in 8 sizes from the 18" diameter laboratory / production unit to the 85" diameter machine that is redefining even higher capacity and reliability standards. Creative design features: maximize screen area use, handle varying feed rates, screen materials of changing consistencies, increase the "unders" or "overs" capacities, and prevent screen blinding. One to five screen surfaces yielding up to 6 predetermined fractions with accurate separations in mesh sizes from 2" down to 500 mesh (25 microns).

BATCH SIFTER

Batch dry sifting or wet filtering requires a simple, economical design that does not require continuous discharge of the over size material. The 18" or 24" models have only one vibrating motor (electric or air) mounted vertically to impart horizontal motion. Designed for intermittent or continuous operations where occasional but fast separations are needed. Portable or stationary, commonly used above a mixer or bag dump station.

MEETING EVERY SCREENING REQUIREMENT

AMKCO Separator Screens are compact production machines which make mechanical separations according to particle size through proven use of multi-plane inertial vibration techniques. They are designed and built to solve the most difficult classifying, separating and dewatering problems. 1 to 5 screen surfaces are superimposed to yield up to 6 fractions. Separators are being used to make accurate separations ranging from 2" clear opening to 625 mesh (25 micron). Eight standard models, sized from 18" diameter to 85" diameter are equipped with the epoxy or spot welded screens, and all wetted parts are built of stainless steel. Other construction materials or protective coatings can be supplied if required.

Any screening application is either WET or DRY

Any DRY application is SCALPING, DE-DUSTING, or CLASSIFYING

Any WET application is DE-WATERING or FILTERING

SELECTING SCREEN APPLICATION TYPES

Any screening operation can be divided into one of five categories:

DRY

SCALPING
The removal of a small percentage of oversize from a product.

DE-DUSTING
The removal of a small percentage of fines from a product.

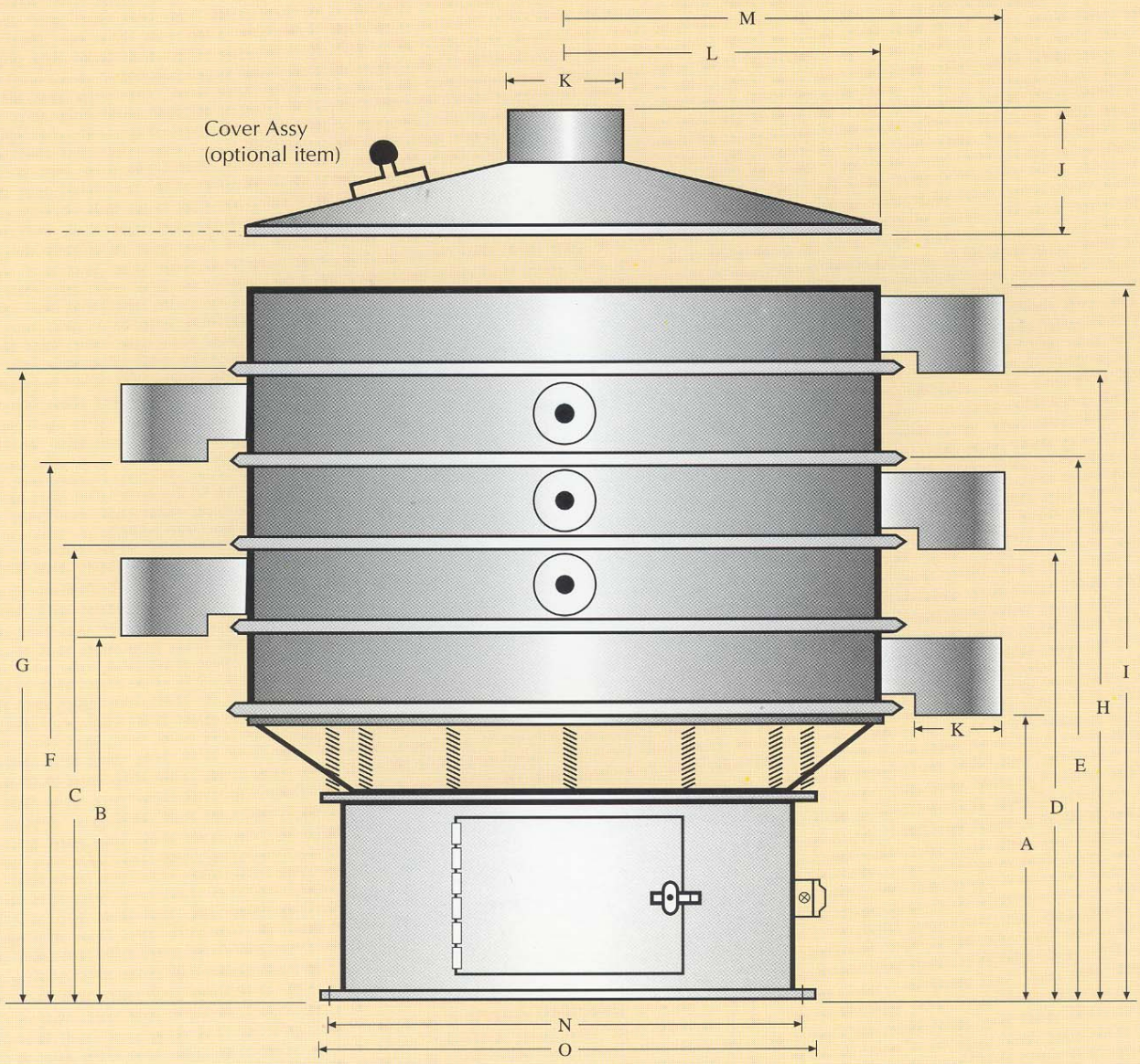
CLASSIFYING
The separation of particles by size into two or more products.

WET

DE-WATERING
The removal of a high percent of solids from a liquid.

FILTERING
The removal of a low percentage of solids from a liquid.

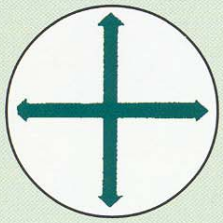
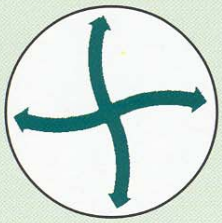
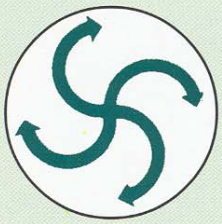
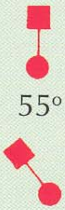
STANDARD ROUND VIBRA-SCREEN DIMENSIONS



	1 Deck			2 Decks		3 Decks		4 Decks							
Amkco Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
A-18	33	42	54	52	63	61	72	70	81	9	10	23	35	38	41
A-24	39	50	65	61	76	72	87	83	98	11	16	30	48	53	58
A-30	43	58	77	75	93	92	108	107	124	14	16	40	53	56	60
A-40	55	75	98	96	119	117	139	138	160	20	21	51	76	78	84
A-48	55	75	98	96	119	117	139	138	160	20	21	61	91	89	93
A-60	55	75	98	96	119	117	139	138	160	23	21	76	100	104	109
A-72	60	84	106	105	128	125	148	146	168	32	26	91	114	135	141

Note: Dimensions in cm. Subject to change without prior notice.

THREE-DIMENSIONAL MOTION

FLOW PATTERN	PHASE	DESCRIPTION	MAJOR APPLICATION
	 0°	Product flows straight from centre to circumference	Easily screenable product, de-dusting
	 15°	Slight vortex motion	Ordinary screening
	 55°	Deepest vortex	Classification of particles into several product categories, long retention time
	 90°	Grains concentrated towards center	Scalping oversize from product

VIBRA-SCREEN SEPARATION

It is a unique and ideal separation technology which includes a vertical mounted motor to facilitate "three-dimensional motion" composed of circular and elliptic motions in horizontal, vertical and inclination planes. The AMKCO Separator achieves superb performance in sieving dry or wet products having a variety of properties, shapes and sizes.

ACTION AND PRINCIPLE

The principle of the AMKCO Vibra-screen is embodied in a pair of unbalanced weights, an upper weight installed on the upper shaft of the motor and a bottom weight on the lower shaft, which are capable of converting the motor rotation into a 3 "three-dimensional motion". By varying the phase-angle between the weights, the product flow pattern and duration time on the screen can be adjusted.

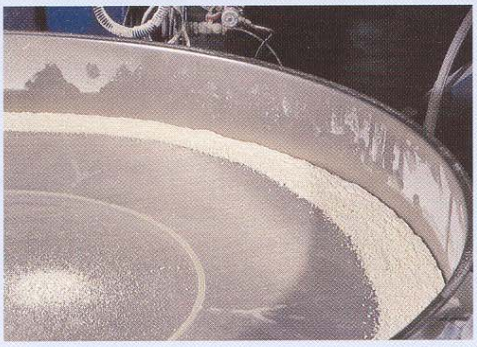
A BROAD SCOPE OF APPLICATIONS

- Classification (uniform particle distribution)
- Separation of product and foreign matter
- Separation of coagulated and coarse grains
- Dispersion of coagulated powder particles
- Separation of certain shapes
- Separation and recovery of useful materials and parts
- Wet filtrating
- Cleaning, dehydration, extracting of liquid and drying
- Adjustment to manufacturing process
- Improvement of packing quality
- Measuring constant quantity of large volume reference for improvement of blending accuracy
- Mixing
- Granulating
- Improve fluidity
- Controlling powder flow
- Extraction of dust

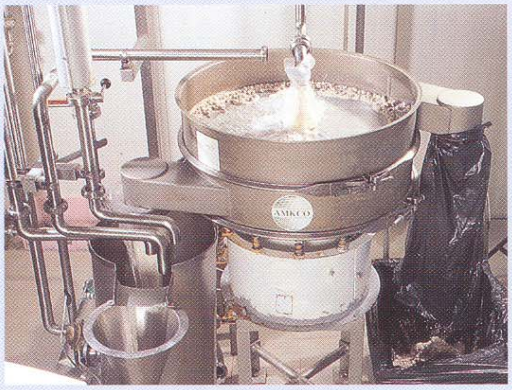
PROFITABLE SOLUTIONS TO PROCESS PROBLEMS

QUICK AND EASY SCREEN CHANGE are obtained by a sugar producer using a 2-deck Separator to simultaneously classify sugar into 3 products. The users market has several different specifications requiring fast and easy screen changes. For smaller units, quick release clamps and no screen center tie downs make changes even faster.

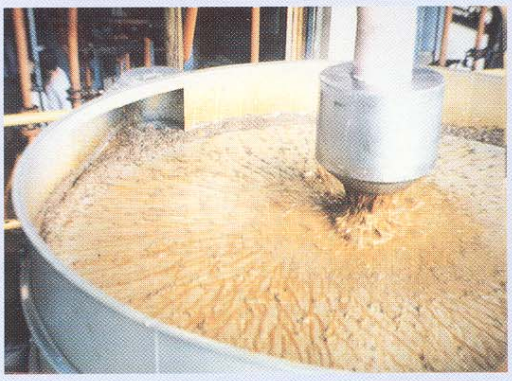
MINIMUM SCREEN BLINDING for all separation processes is achieved through the use of and the combination of several techniques. The vibration of the Separator, the use of sliders, the use of bouncing balls, the use of ultra-sonics, the use of water sprays, the use of wipers, and last but not least, the use of good well tensioned screens.



NEW FOOD PRODUCT made possible with ultrasonic application to the screen. The material would not process at the required screen mesh. Now, the end product is unique with fast pay back to the producer.



LONG SCREEN LIFE is our goal. Removing fiber from coconut milk prior to packaging adds little to the cost of the product because the screen lasts nearly a year. Proper tension, high quality wire, and bonding or welding achieves quality product at low cost.



HIGH CAPACITY IN LIMITED SPACE is required by palm oil producers. Twenty hour days over a hot oil tank at 98° C require a high degree of reliability in a cramped environment.

NO TRANSMITTED VIBRATION was a need for a dairy and juice producer. The AMKCO is mounted on a portable stand, easily moveable to different locations for different products. The various locations have floors that are not always level. Quick and easy shims under the legs keep the screen level for good separation.

RELIABLE SCALE-UP was achieved by a fused silica producer who needed to increase production with a new product without lengthy production testing. Small, portable separators offer testing and reliable data for thousands of dry and wet processes. This adds confidence in the AMKCO selection.

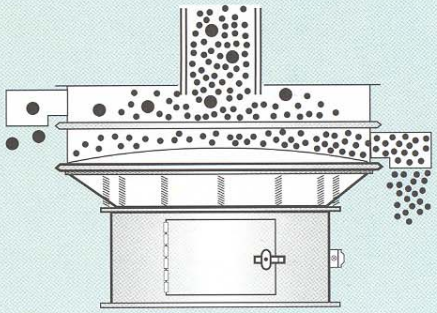
ADAPTABILITY was the reason a sand producer installed an AMKCO separator. Variable feed rates, variable screen meshes, and variable product hoppers made our unit their choice.

PRODUCT QUALITY is assured with a final screening before packaging and sending to the customer. Shipping product in bulk only saves the end user time and money when they know the received product is "on spec" and no foreign material in present. A minimum investment for an AMKCO scalping unit gives confidence.

BASIC SEPARATOR FUNCTIONS

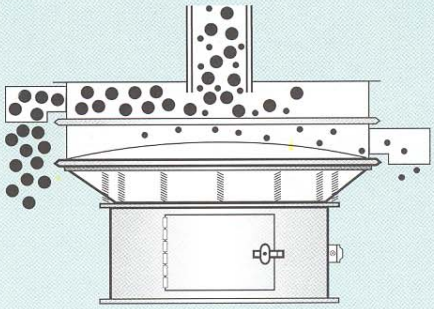
DRY APPLICATIONS

SCALPING – Small percentage of over-size



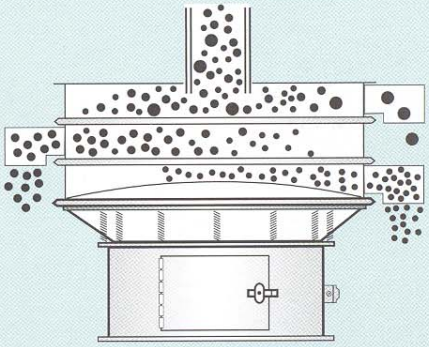
Foods: Dried milk powder, dairy products, starch powder, cocoa powder, dried eggs, spices, tea from bags.
Chemicals and Petrochemicals: PVC, polyethylene pellets, melamine, phenolics, cellulose, acetate, polystyrene, sodium carbonate, calcium carbide, copper sulphate, detergents, iron oxide, stearic acid, titanium dioxide, zinc oxide.
Minerals and Metals: Stones from pit sand, barite, mica, perlite, talc, diatomaceous earth.
Animal Feeds: Scalping of foreign material from mash, removal of over size from additives.
Grains: Separation of large foreign materials from bulk shipments, flour sifting.

DE-DUSTING – Small percentage of undersize



Foods: Instant coffee powders, ground coffees, cereals, spices, nuts, potato flakes, additives, vitamins.
Chemicals: Polyethylene pellets, polystyrene, caustic soda flake.
Minerals and Metals: Steel shot, Abrasives.
Pulp and Wood Product: Particle board.
Pharmaceuticals: Tablet de-dusting, granulation.
Fertilisers: Pelletised, granulated mixes, ammonium nitrate prills.

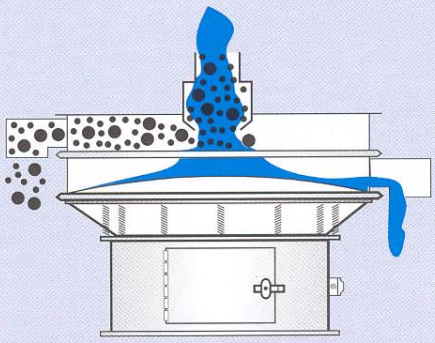
CLASSIFICATION – Sizing into two or more categories



Foods: Pea grading, sugars, salts, spices, nuts, bread crumbs.
Chemicals and petrochemicals: Catalyst beds, monosodium glutamate, expandable polystyrene beads, resins.
Minerals and metals: Metal powders (aluminum, copper, bronze, nickel, iron) sand, silica.
Pulp and wood products: Wood chips, particle board, sawdust, wood flour
Abrasives: Sand, carborundum, aluminum oxide, glass beads, blasting grit (steel, oxides, iron, copper oxides).

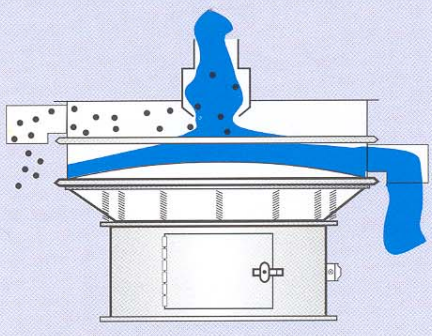
WET APPLICATIONS

DE-WATERING – High percentage of solids on screen



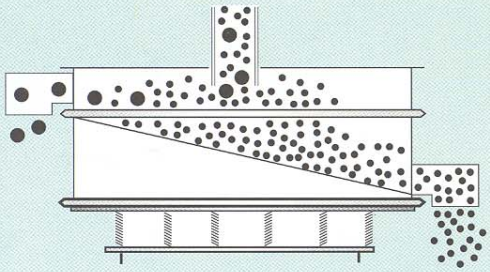
Foods: Separation of bagasse from sugar melt, casein curd from whey, corn fiber rom starch slurry, gluten from wheat starch, de-watering of fruits and vegetables, spent coffee grounds, potato slices, instant rice, tuna, caustic bottle wash, apple or citrus juices prior to filtration.
Chemicals: Separation of salt from glycerine, polyethylene from extruder water, coagulum from latex, aligns from digestion liquor, spiralina de-watering, de-watering of digested reclaim rubber, TNT, clarifying of polyvinyl acetate emulsions, paints, enamels.
Pulp: De-watering of rejects before refining, de-watering of knots.

FILTERING – Small percentage of solids remain on screen

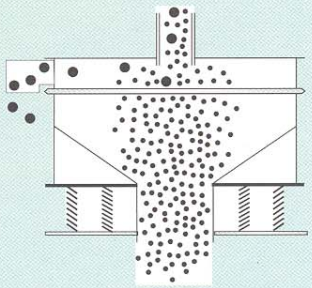


Foods: Protein from yeast slurry, chocolate liquor, frying oil, potato starch, soymilk.
Chemicals: Aluminum paint suspension, feeds to decanters, centrifuges, classify pigments.
Minerals: Separate impurities from kaolin slurry prior to centrifuging, Colombian ore in closed circuit grinding, calcium carbonate.
Pulp and Paper: Recovering fiber from mill effluent, starch size press, coating suspensions, white water to produce shower quality water.
Ceramics: Clarify body and glaze slips for dishes, sanitary ware, fine china, pottery.
Waste Disposal: Cannery wastes, paunch manure from meatpacking, distillery slop.

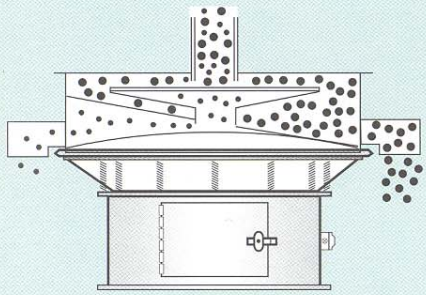
TO INCREASE CAPACITY



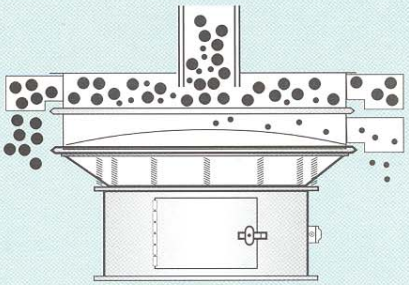
Sloping Pan



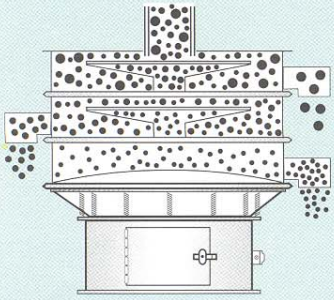
Straight-Flo



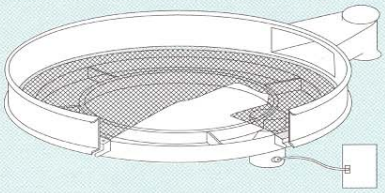
Auxiliary-Series



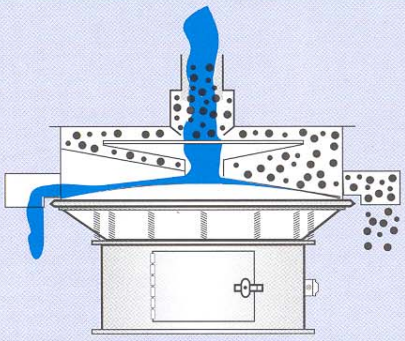
Multiple Spouts



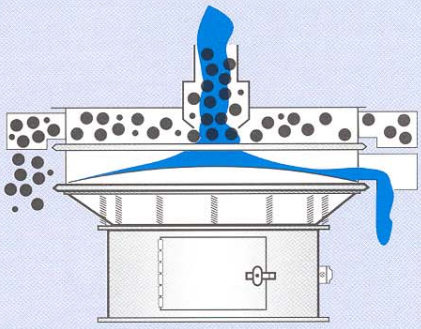
Auxiliary-Series



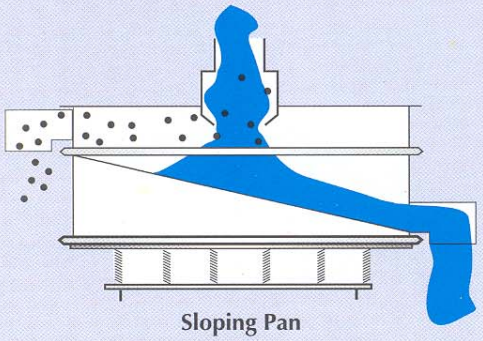
Ultrasonic



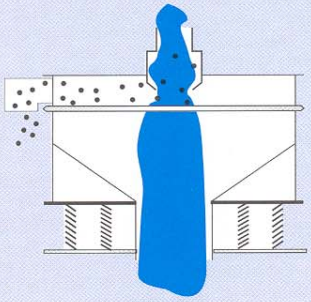
Auxiliary-Series



Multiple Spouts



Sloping Pan



Straight-Flo

CENTER FEED SYSTEM

Vibra-screen Separators use a single feed pipe onto the center of the screen allowing 100% of the screen area to be available for separating. Velocity reducers for high flow rates can be used to ensure even and steady flow to the separator. Center feed systems also permit units to fit into existing process lines with a minimum of extra piping.

DISCHARGE FRAMES

Discharge frames allow the rapid discharge of undersize particles or liquid from the separator. Tilted domes, deep frames, and oversized discharge spouts offer different options to obtain higher capacity removal of liquids or solids from the unit. Double slope domes, twin spouts, and baffles can be used to further extend discharge capacities in wet or dry separations.

CIRCUMFERENTIAL DISCHARGE FRAME

This design provides a 360 degree discharge from the screen deck in dry or wet separations. The full screen area is available for separation as solids cannot build up at the screen periphery while waiting for discharge. As solids reach the screen edge, they either fall out of the unit or into a vibrating chute attached to the frame. The de-dusting capacity of the separator is increased greatly, system overload is virtually impossible, and a very low head height is available.

APPLICATION EXAMPLES

Input material	Apparent specific gravity	Screen Mesh	Model	Dry/Wet	Process rate kg/hr or *l*/hr
• CERAMICS					
Abrasives	1.5	12, 16, 250	A30S-3-6666	Dry	1000kg
Alumina	0.8 – 1.2	100	A40S-1-66	Dry	250kg
Fire Brick	1.2	2mm	A60S-1-88	Dry	14000kg
Kaolin	0.4	100	A40S-1-66	Dry	200kg
Lime	2.3	100	A40S-1-66	Dry	500kg
Silica Grains	1.5	40, 65, 200	A48S-3-8888	Dry	1800kg
Silicon Carbide	1.5	325	A40S-1-66	Dry	150kg
Silicon Nitride	1.0	200	A30S-1-66	Dry	250kg
Slaked Lime	0.7	30, 50	A30S-2-666	Dry	600kg
Slip	1.1	120	A40S-1-88	Wet	10000*l*
Zeolite	0.2 – 0.6	5mm, 2mm, 1mm	A40S-3-6666	Dry	1000kg
Zircon Sand	4.6	40	A48S-1-88	Dry	6000kg
• CHEMICAL PRODUCTS INCLUDING RESINS Bead Slurry	1.1	50 3mm	A40S-1-66	Wet	7200*l* 12000*l*
Epoxy Resin	0.8	100	A40S-1-66	Dry	260kg
MBS Resin	0.3	30	A18S-1-33	Dry	125kg
Melamine Formaldehyde Resins	0.4	35, 60	A18S-2-333	Dry	24kg
P.E. Pellets	1.05	10, 20	A40S-2-666	Dry	3000kg
P.V.C. Resin Pellet	1.0	9.5mm	A30S-1-66	Dry	770kg
P.V.C. Resin Pellet	1.0	ø10mm, ø5	A48S-2-888	Dry	5000kg
Polyethylene Powder	0.5	60	A48S-1-88	Dry	550kg
Vinyl Chloride Resins	0.45	48, 100	A18S-2-333	Dry	31kg
Zinc Oxide	0.25 – 0.35	16, 60	A48S-2-888	Dry	1500kg
• COATING MATERIALS					
Acrylic Powder Paint	0.5 – 0.8	80	A18S-1-33	Dry	50kg
Epoxy Powder Paint	0.5 – 0.8	60	A18S-1-33	Dry	280kg
Magnetic Toner	5.0	100	A18S-1-33	Dry	300kg
Non-Magnetic Toner	0.4	60	A40S-1-66	Dry	100kg
Paint	0.8	10	A18S-1-33	Wet	1800*l*
Polyester Powder Paint	0.6 – 0.8	80	A30S-1-66	Dry	200kg
• ELECTRICAL & MAGNETIC MATERIAL Ferrite	1.7 – 2.3	40	A40S-1-6	Dry	900kg
Goethite	0.2 – 0.6	325	A30S-1-66	Dry	150kg
Graphite	1.2	18, 40, 80	A40S-1-66	Dry	1400kg
Titanate	1.4	16	A30S-1-66	Dry	500kg

- TESTING OF PRODUCT IS RECOMMENDED
- MODIFICATIONS AVAILABLE TO INCREASE CAPACITY OR MEET SPECIFIC NEEDS

Input material	Apparent specific gravity	Screen Mesh	Model	Dry/Wet	Process rate kg/hr or *l*/hr
• FOODSTUFFS					
Beer Yeast	0.5	32	A48S-1-88	Wet	12000*l*
Common Salt	1.2	10 30, 80	A18S-1-33 A60S-2-888	Dry Dry	125kg 5000kg
Corn Starch	0.8	40	A30S-1-66	Dry	1100kg
Gelatin	0.5	35	A30S-1-66	Dry	500kg
Glucose	0.5	5, 20	A48S-2-888	Dry	2000kg
Granulated Sugar	1.0	14	A48S-1-88	Dry	6000kg
Orange Juice (Tsubu Tsubu)	1.0	5mm, 3mm	A48S-1-88	Wet	2000*l*
Palm Oil	0.9	20, 40	A60S-2-888	Wet	30t/hr
Powder Soup	0.7	6, 80	A18S-1-33	Dry	230kg
Rice Bran	0.5	16	A30S-1-66	Dry	500kg
Sauce	1.0	100	A48S-1-88	Wet	6000*l*
Skim Milk Powder	0.58 – 0.7	24	A60S-1-88	Dry	6000kg
"Tofu" Slurry	1.0	120	A40S-1-66	Wet	2000*l*
Topica Starch	1.0	200	A48S-1-88	Wet	18000*l*
Wheat Starch	1.0	150 250	A18S-1-33 A48S-1-88	Wet Wet	1000*l* 3000*l*
• MEDICALS					
Health Food/Medicals	1.2	40, 80	A40S-2-666	Dry	200kg
Injection	1.0	ø1mm	A18S-1-33	Wet	600*l*
Medicalhers Powder	0.8	80	A18S-1-33	Dry	420kg
• METAL					
Aluminium Powder	0.7	80, 120	A18S-1-33	Dry	300kg
Brass Powder	1.5	100, 200, 325	A40S-3-6666	Dry	100kg
Electrolytic Copper Powder	1.3 – 2.3	24	A40S-1-66	Dry	200kg
Gold Bronze Powder	2.0	100	A18S-1-33	Dry	50kg
Iron Powder	2.8	400	A18S-1-33	Dry	200kg
Manganese Carbonate	3.7	60	A30S-1-66	Dry	250kg
Manganese Dioxide	2.0	60	A40S-1-66	Dry	1500kg
Powder for Alloys	3.0	200	A18S-1-33	Dry	200kg
Steel Shot	4.0	4, 8, 42	A18S-3-3333	Dry	1000kg
Titanium Dioxide	2.1	16	A18S-1-33	Dry	500kg
Tungsten	8.3	20, 60, 100	A30S-3-6666	Dry	300kg
Welding Powder	0.95	20, 200	A40S-2-666	Dry	500kg

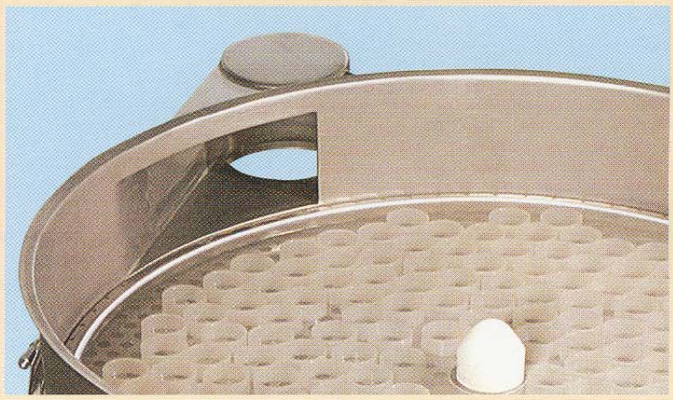
Note:
In the item of dry/wet, "dry" denotes that the input material is so dry that it flows and has no free moisture, and "wet" denotes that the input material is so wet that it should be processed in slurry.

Process rates listed are the examples which were offered by the sampled users of AMKCO Vibra-screen. The data may be used as reference. All data are to be evaluated in accordance with product, properties, specific gravity of input material, screen mesh, ambient temperature and humidity.

SCREEN BLINDING PREVENTION

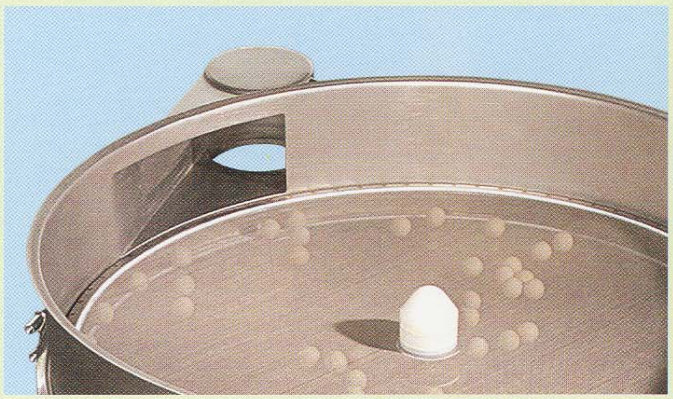
SCREEN CLEANING RINGS

Screen cleaning rings (sliders) are supported closely below the screen by a stainless steel perforated plate or a courser screen. Vibration of the separator causes the sliders to rub against the bottom surface of the screen. This action helps prevent screen blinding by creating shearing forces that cut fibers and scrape away gummy materials. The sliders operate with 1 to 2mm of clearance to allow 100% screen area contact, are hollow to promote product flow, and are available in a variety of materials for increased chemical, temperature, or abrasive resistance.



BALL TRAY

The Ball Tray is a system that is especially appropriate for two different types of blinding problems. One type of situation is for near size, dry material screening. The second is for material that tends to agglomerate on the top of the screen. The bouncing balls flex the screen slightly, dislodge material that may be stuck in the wires, and also lifts the material to keep it flowing. A ball support screen is mounted below the operating screen.

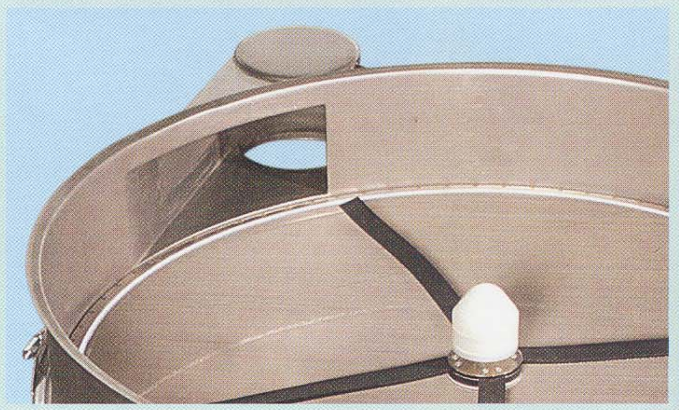


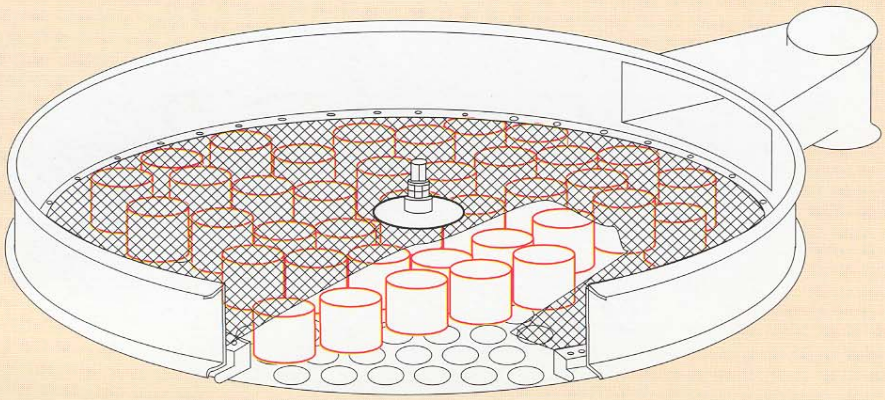
ULTRASONIC

Ultrasonic is an add-on secondary vibration to the primary vibrating screen. The secondary vibration operates at high frequency (36kHz) to generate an additional uniform vibrating motion of 5 microns to the screen mesh. This reduces the friction between the screen mesh and the product which can result in a better flow of product thru' the mesh.

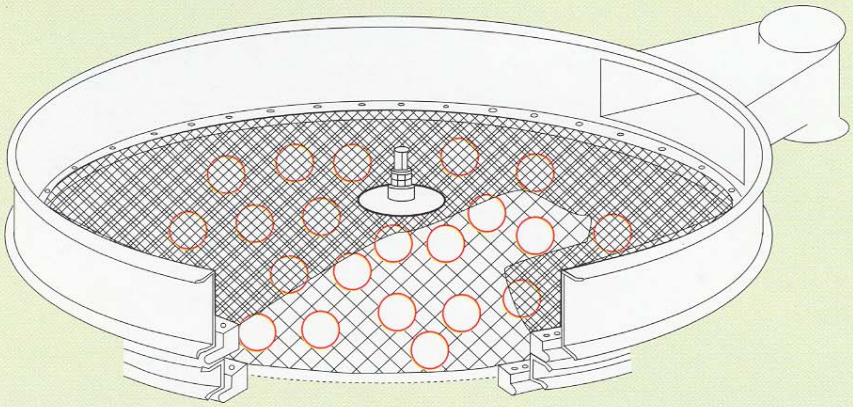
WIPERS

These are soft strips that tap lightly on the top surface of the screen. The vibrating motion of the seperator flex the strips to tap on the screen. It helps to break up lumps and push the "under" size product thru' the screen mesh.

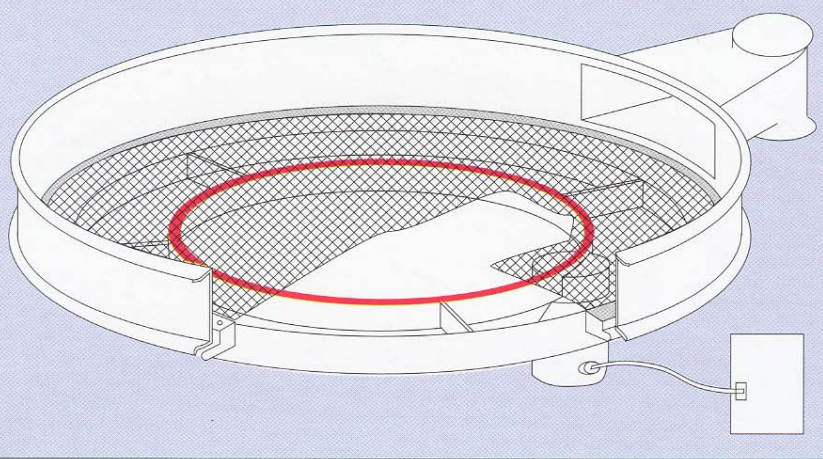




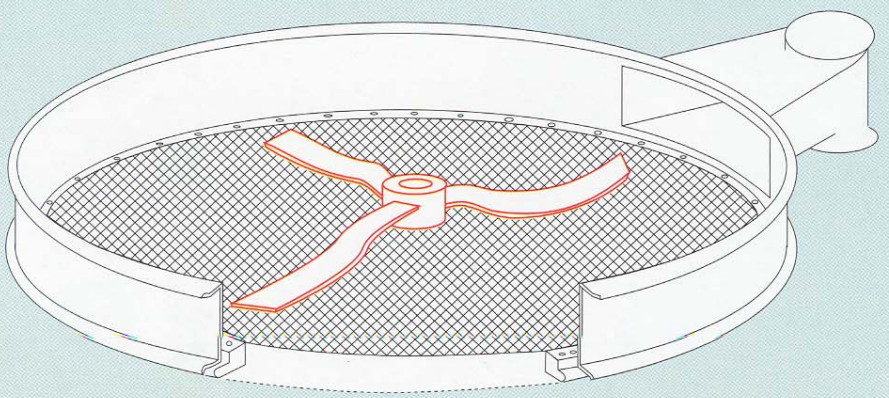
These rings are commonly available in polyester, food grade nylon and polyurethane with excellent wear resistance. Available in single ring or cluster. In heights of 22, 24, and 26 mm.



These bouncing balls are available in natural rubber, neoprene, silicone, EPDM, polyurethane and nitrile. Sizes range from 16, 22, 25, 28, 35 and 50 mm in diameter.



Sonoscreen can be installed or retrofitted in any operational vibrating screen. Items needed are an ultrasonic generator, ultrasonic screen resonator with transducer and high frequency cable connector.



Common materials for this wiper are neoprene or polyurethane.

AMKCO SCREENS AND SPARE PARTS

SCREEN OPENINGS

TENSIL BOLTING CLOTH					MARKET GRADE				
Mesh TBC	Opening	Wire Dia.	X Open Area	Approx. Opening In Microns	Mesh MG	Opening	Wire Dia.	X Open Area	Approx. Opening In Microns
					2	.4370	.0630	76.4	11.099
						.4200	.0800	70.6	10.668
					3	.2790	.0540	70.1	7087
					4	.2023	.0475	65.9	5138
					4	.1870	.0630	56.0	4750
					5	.1590	.0410	63.2	4038
					6	.1318	.0348	62.7	3347
					7	.1080	.0350	57.2	2743
					8	.0964	.0286	60.2	2448
					10	.0742	.0258	56.3	1885
					11	.073	.0180	64.5	1854
					12	.0603	.0230	51.8	1532
16	.0535	.0090	73.3	1359	14	.0510	.0204	51.0	1295
18	.0456	.0090	70.2	1158	16	.0445	.0181	50.7	1130
20	.0410	.0090	67.2	1041					
22	.0380	.0075	69.7	965	18	.0386	.0173	48.3	981
24	.0342	.0075	67.2	868	20	.0345	.0162	46.2	876
26	.0310	.0075	64.8	787					
28	.0282	.0075	62.4	716	24	.0277	.0140	44.2	704
30	.0268	.0065	64.8	681					
32	.0248	.0065	62.7	630					
34	.0229	.0065	60.7	582					
36	.0213	.0065	58.7	541	30	.0203	.0128	37.1	516
38	.0198	.0065	56.7	503					
40	.0185	.0065	54.8	470					
42	.0183	.0055	59.1	465					
44	.0172	.0055	57.4	437	35	.0176	.0118	37.9	447
46	.0162	.0055	55.8	411					
48	.0153	.0055	54.2	389	40	.0150	.0104	36.0	381
50	.0145	.0055	52.6	368					
52	.0137	.0055	51.0	348					
54	.0130	.0055	49.4	330					
58	.0127	.0045	54.6	323					
60	.0122	.0045	53.3	310					
62	.0116	.0045	51.7	295					
64	.0111	.0045	50.7	282	50	.0110	.0090	30.3	279
70	.0106	.0037	54.9	269					
72	.0102	.0037	53.8	259					
74	.0098	.0037	52.7	249					
76	.0095	.0037	51.7	241					
78	.0091	.0037	50.6	231	60	.0092	.0075	30.5	233
80	.0088	.0037	49.6	224					
84	.0084	.0035	49.8	213					
88	.0079	.0035	47.9	200					
90	.0076	.0035	47.8	193					
94	.0071	.0035	45.0	180	80	.0070	.0055	31.4	178
105	.0065	.0030	46.9	165					
120	.0058	.0025	47.3	147	100	.0055	.0045	30.3	140
145	.0047	.0022	46.4	119	120	.0045	.0037	30.5	114
165	.0042	.0019	47.1	106	150	.0041	.0026	37.9	104
200	.0034	.0016	46.2	86	170	.0035	.0024	35.1	88
230	.0029	.0014	46.0	74	200	.0029	.0021	33.6	74
					250	.0024	.0016	36.0	61
					270	.0021	.0016	32.2	53
					325	.0017	.0014	30.8	43
					400	.0015	.0010	36.0	38
					500	.0010	.0010	25.0	25
					635	.0008	.0008	25.0	20

All screen listed are square mesh. Commonly available in 304/316 stainless steel. Some meshes are also available in polyester or nylon, anti-static or magnetic stainless steel.

CONTACTS

AMKCO Process Equipment Pte. Ltd is a manufacturer of screening, sieving, and separator equipment for the chemical, food, pulp and paper, and other processing industries. Our core product is the circular vibratory screen... a compact production machine for making mechanical separations through the proven use of multi-plane, inertial vibration techniques first patented in the USA in 1954.

AMKCO's mission is to provide the highest value in the market at the lowest cost. We use only modern ISO 9001 motors. We give a three year, no nonsense warranty on standard frames. We provide the best possible customer service. Amkco has personalized engineering service to solve the nonstandard problems.

Our product line of circular vibratory separators has led us to develop machines to process paper mill white water, to pulverize, and to wet grind to 1 micron.

In addition to the standard machines described in this brochure, AMKCO offers a wide range of special units and systems to meet special screening requirements.

Whatever your screening needs are, "It pays to talk to a specialist at AMKCO."

Manufactured in North America

Technical Representatives:

AMKCO PROCESS EQUIPMENT PTE LTD
192 Pandan Loop #06-08, Pantech Industrial Complex, Singapore 128381
Tel: (65) 777 0601 Fax: (65) 777 8067 e-mail: amkco@pacific.net.sg