Total Reliability Based on Experience

PIONEER OF POWDER TECHNOLOGY
ESTABLISHED IN 1924

TOKUJU
SPECIALIST & MANUFACTURER
POWDER PROCESSING
MACHINERY & SYSTEMS DESIGN

KOTOBUKI BRAND

VIBRATING SCREEN SEPARATORS

model-TM

Model
TM-100-3S

TYPICAL APPLICATIONS

FINE POWDER SIFTING for the Plastic, Chemical, Metal, Food, Pharmaceutical and Paper Industries. GENERAL SEPARATION of large and small particles. LIQUID/SOLID SEPARATION for the Food, Chemical, Paper and Waste Disposal Industries.

FEATURES

- Wide range of materials screened-wet or dry, fine or coarse, heavy or light
- Optimum for continuous screening
- Variable screening patterns by weight adjustment
- Separation up to 4 different size materials
- Blinding-free screening with tapping ball system and vibration in the horizontal, vertical and tangential planes
- No transmitted vibration, therefore, no special foundation required
- Dust free, sanitary operation
- Outlets can be positioned as required
- Easy renewal or exchange of screens
- Sanitary construction, easy cleaning
- Easy installation; can be mounted even on casters
- Rugged compact construction requiring less space
- Extremely long life, less energy and low maintenance
- Hopper attached types are also available

HIGH CAPACITY SIZING OF DRY MATERIALS... LOW COST SEPARATION OF SLURRY AND WET MATERIALS

REFERENCE NO.HE-55

TOKUJU VIBRATING SCREEN SEPARATORS MODEL TM

TOKUJU VIBRATING SCREEN SEPARATORS

Model TM is a screen that vibrates about its center of mass. Vibration is accomplished by eccentric weights on the upper and lower ends of the motor shaft.

Rotation of the top weight creates vibration in the horizontal plane, which causes material to move across the screen cloth to the periphery. The lower weight acts to tilt the machine, causing vibration in the vertical and tangential planes. Variable control of the spiral screening pattern is provided by the angle of lead given the lower weight with relation to the upper weight.

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.

Variable Screening Patterns by Weight Adjustment

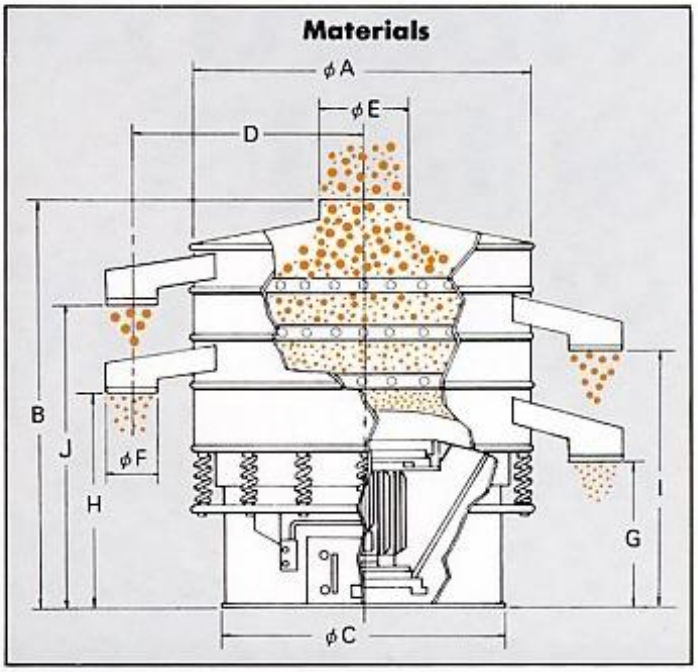
0° lead (Scale 0)
Average material is thrown straight

10° lead (Scale 1)
Average material begins to spiral outward

30° lead (Scale 3)
Average material is given maximum screening pattern

40° lead (Scale 4)
Average material begins to spiral inward

60°/100° lead (Scale 6)
Oversize material will not discharge



Vibrating Screen Separators Model TM Specifications/Dimensions

Model	A	B	C	D	E	F	G	H	I	J	No Decks	Screen Area (m²)	Motor (kw)	Approx Weight (kg)
1S	410	660	450	340	120	90	400	480	—	—	1	0.10	0.4 (2p)	100
TM-40-2S	"	740	"	"	"	"	"	"	560	—	2	"		110
3S	"	820	"	"	"	"	"	"	"	640	3	"		120
1S	500	630	450	385	130	90	355	435	—	—	1	0.15	0.4 (2p)	110
TM-50-2S	"	710	"	"	"	"	"	"	515	—	2	"		130
3S	"	790	"	"	"	"	"	"	"	595	3	"		150
1S	700	840	660	520	150	150	430	565	—	—	1	0.3	0.75 (4p)	200
TM-70-2S	"	975	"	"	"	"	"	"	700	—	2	"		230
3S	"	1,110	"	"	"	"	"	"	"	835	3	"		250
1S	952	915	860	660	250	150	440	620	—	—	1	0.59	1.5 (4p)	350
TM-100-2S	"	1,055	"	"	"	"	"	"	760	—	2	"		400
3S	"	1,195	"	"	"	"	"	"	"	900	3	"		450
1S	1,150	1,035	860	755	250	150	540	720	—	—	1	0.9	2.2 (4p)	510
TM-120-2S	"	1,175	"	"	"	"	"	"	860	—	2	"		580
3S	"	1,315	"	"	"	"	"	"	"	1,000	3	"		650
1S	1,445	1,130	910	950	250	200	590	790	—	—	1	1.45	2.2 (4p)	750
TM-150-2S	"	1,270	"	"	"	"	"	"	930	—	2	"		850

NOTE: 1. All dimensions are in mm.
2. For Pharmaceuticals, Plastics, Foodstuffs and Cosmetics use, contact parts with feed materials are made of mirror finished Stainless Steel.

- TOKUJU reserves the right to change or alter specifications, dimensions, materials and designs without prior notice.

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