

## FLAT DECK SCREENERS

**CONTROLLED SCREENING**  
**MULTI-DECK CLASSIFICATION**  
**DE-DUSTING OF FINE PARTICLES**



## MULTI-DECK SEPARATION

### GKM Ultimate Tumbler Screeners

This gentle screening machine is ideally suited to separate and de-dust dry, powdered and granular products. Particularly suitable for high feed rates and multi-deck separations of fine, lightweight and difficult to screen products.

#### Benefits

- 3 dimensional screening action
- Gentle screening action
- Modular, self-centering and expandable design
- Up to 7 separations simultaneously on each machine
- Slow speed and high amplitude for optimal screening
- Delivered ready to operate and optimized for each product (Plug & Play)
- Designed for 24 hour operation
- Low acceleration and low maintenance requirements
- Dust proof, CE compliant, FDA approved rubber and plastic materials
- Stainless steel 1.4301 intermediate rings and screen frame are standard



### GKM Vibrating Screeners

This screening machine is suitable for all types of dry and wet screening.

#### Benefits

- 3 dimensional screening action
- Modular, self-centering and expandable design
- Delivered ready to operate and optimized for each product (Plug & Play)
- Designed for 24 hour operation
- Up to 4 simultaneous separations on each machine
- 100% Dust proof, CE compliant
- Low installation height due to reduced height of intermediate rings
- Easy disassembly and cleaning of all parts
- Robust and lightweight modular design
- Low maintenance
- Very competitively priced with short delivery times



## GKM Vibrating Control Screeners

The Vibrating Control Screener is suitable for controlled and safety screening with high capacity for dry and liquid products.

### Benefits

- Modular, self-centering and expandable modular design
- Extremely high throughput
- Delivered ready to operate and optimized for each product (Plug & Play)
- Designed for 24 hour operation
- Dust proof, CE compliant
- Self-centering screen assembly
- Easy disassembly and cleaning of all parts
- Fast on-site re-meshing of screen frame
- Low maintenance
- Very competitively priced with short delivery times



### Product Range

	GKM Ulitmate Tumbler Screener	GKM Vibrating Screener	GKM Vibrating Control Screener
<b>Particle feed sizes</b>	1 µm – 20 mm	1 µm – 20 mm	1 µm – 20 mm
<b>Feed rates</b>	1 kg/h – 50,000 kg/h	1 kg/h – 5,000 kg/h	1 kg/h – 200,000 kg/h
<b>Bulk densities</b>	20 – 10,000 gm/liter	20 – 10,000 gm/liter	200 – 10,000 gm/liter
<b>Mesh openings</b>	20 µm – 20 mm	20 µm – 20 mm	200 µm – 20 mm
<b>Screen materials</b>	Stainless steel, plastic woven mesh cloth or perforated plate options	Stainless steel or plastic wire mesh fabric, perforated plate options	Stainless steel or plastic wire mesh options
<b>No. of screen decks</b>	1 – 6 per machine	1 – 3 per machine	1 – 2 per machine
<b>Anti-blinding system</b>	Rubber balls as standard. Ultrasonic, rotating air nozzles, rotating roller brushes or combinations available upon request	Rubber balls as standard. Plastic rings, ultrasonic or combinations available upon request	Rubber balls as standard. Plastic rings, ultrasonic or combinations available upon request
<b>Speed range/Frequencies</b>	180 – 280 per minute	1,500/3,000 (1,800 / 3,600) per minute at 50 (60) Hz	1,500 (1,800) per minute at 50 (60) Hz
<b>Screen movement</b>	High amplitude, three-dimensional, set to product or capacity	High-frequency, two-dimensional, set to product or capacity	High frequency, two-dimensional, set to product
<b>Amplitude</b>	60 – 80 mm horizontal and 5 – 40 mm vertical	3 - 6 mm	4 - 8 mm
<b>Material of construction</b>	Carbon steel, stainless and special steels, rubber materials FDA compliant	Stainless steel, special steels, rubber materials FDA compliant	Stainless steel, special steels, rubber materials FDA compliant
<b>Surfaces</b>	Painted, brushed or ground, mirror or electro polished for food and pharmaceutical products with a surface roughness of < 0.4 microns	Painted, brushed or ground, mirror or electro polished for food and pharmaceutical products with a surface roughness of < 0.4 microns	Ceramic blasted, electro polished, otherwise glazed inside and out with a high-grade surface finish to surface roughness < 0.4 microns for food and pharma products





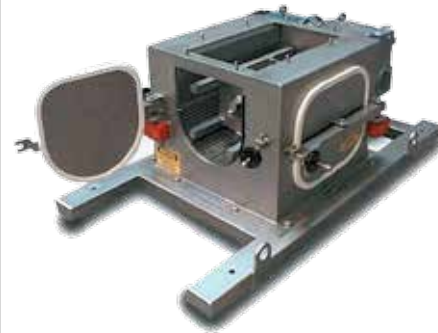
### KEK CENTRIFUGAL SIFTERS

Compact, high-efficiency cantilever sifters with throughputs up to 100 tph.



### GKM FLAT DECK SCREENERS

Controlled multi-deck classification and screening.



### KEK KIBBLER PRE-BREAKERS

Heavy duty lump-breaker and pre-breaker for solids up to 10" dia.



### KEK CONE MILLS

A low-energy intermediate mill for gentle size reduction and de-agglomeration.



### KEK UNIVERSAL MILLS

High energy one-pass fine powder mill with interchangeable grinding media.



### PPS AIR CLASSIFIER MILLS

Controlled ultra-fine powder milling with integral classifier.



### GARDNER MIXERS & BLENDERS

A range of Ribbon and Plow Mixers, Double Cone Blenders and Laboratory Mixers.



### MUCON VALVES & COMPONENTS

A full range of powder flow control and isolation valves and discharge aids.

### TEST FACILITIES AND RENTALS

In support of the process development needs of our customers, Kemutec offers our range of services for material testing using our range of Powder Processing Equipment. We offer Material Testing in our Technical Center, Laboratory Analysis, Rental Equipment and Toll Processing.

### AFTER SALES SERVICE

At Kemutec, we want to ensure the smooth operation of our customers' production. Therefore, not only is our equipment designed for longevity, we offer planned maintenance schedules and hold a comprehensive inventory of spare parts and other key components.