

# SANITARY SIVTEK SEPARATOR<sup>®</sup>



# A SANITARY VIBRO SIFTER FOR HYGIENIC SCREENING SOLUTIONS FOR FOOD INDUSTRIES.

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With Galaxy Sivtek's hygienic screening solutions, edible items are guaranteed to be safe to consume. A vibro sifter machine that is exclusively used in food processing industries, Sanitary SIVTEK Separator has been specially designed keeping safety & hygiene parameters at the top of the priority list.

Designed to meet cGMP standards, this sifting machine is built to the highest standards. The rubber parts are silicon food grade and the glue used in the mesh is resin-bonded glue: FDA compliant glue.

An enclosed structure of a vibrating sifter ensures dust-free operation, as well as a leakage-proof system. Further, all the weld joints of vibro sifter machine are crevice-free that provides hygienic & contamination-free operation.

The gyratory sifter comes in mirror polish with 0.1-0.2 RA surface finish inside as well as outside & Sizes ranges from 24" to 72" diameter. Mirror polishing makes cleaning of the machine very easy & helps in auditing of material deposits. This gyro sifter has the contact parts made with the highest quality of Stainless steel i.e. SS316L.

## BENEFITS

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### HYGIENIC OPERATION

Constructed from FDA Compliant materials and keeping cGMP in consideration. Easy clean design, no crevices.



### EASY MOVEMENT

With castor wheels installed on all the corners, the vibrating sifter is very portable and can be moved easily around the place.



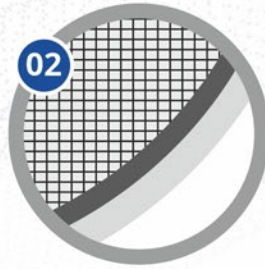
### IMPROVE PRODUCT QUALITY

Removes unwanted impurities effectively with high efficiency. gentle dense flow –and plug flow (segregation free).

## KEY COMPONENTS



**01**  
**OUTLET**  
 Allows easy discharge of the oversize and undersize material.



**02**  
**RUBBER GASKET**  
 Rubber gasket is wrapped around the screen ring to achieve zero gap design and to avoid metal friction.



**03**  
**SCREEN RING**  
 A woven mesh screen ring placed in the vibro sifter to separate different sized particles.



**04**  
**TOGGLE CLAMP**  
 Clutch the screen ring between both the upper & lower deck of the sanitary vibro Separator.



**05**  
**SPRINGS**  
 Set of springs to support the machine vibration.



**06**  
**VIBRATORY MOTOR**  
 An unbalanced vibratory motor mounted to generated high level of vibration.

## FEATURES

### ▶ ENCLOSED DESIGN

Performs dust free operation while sieving & filtering.

### ▶ PERFECT CLAMPING

Sivtek vibro separator comes with easy mesh changing clamps which enables the operator to work smoothly.

### ▶ MULTIDECK SEPARATION

Easily increase or decrease number of deck to achieve gradation.

### ▶ LEAD ANGLE SETTINGS

Change the lead angle settings as per the desired vibrating motion.

### ▶ DRY & WET TYPE MATERIAL

Get high quality separation with both dry and wet materials.

### ▶ HIGH VIBRATION

High vibration comes from the heart of the sifter, that is SIVTEK'S vibratory motor.

## TYPES OF SCREEN RING SUPPORTED

### ▶ SANDWICH SCREEN RING

Sandwich screen ring comes with bolting system arrangement which will enable the mesh frame to reuse & change mesh cloth in lesser time.



### ▶ US-FDA COMPLIANT RING

US-FDA Compliant ring used for screening hygienic products delivers better mesh tension & better efficiency.



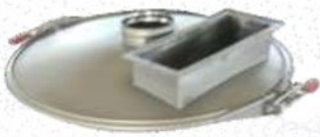
### ▶ STANDARD SCREEN RING

SIVTEK screen ring comes with smooth surface finish. It can be customized as per the requirement and the application.



## MATERIAL HANDLING

▶ CUSTOMIZED LID



▶ CUSTOMIZED HOPPER



▶ MULTIPLE OUTLET



▶ SPIRAL UNDERPAN



▶ CUSTOMIZED UNDERPAN



## CAPACITY ENHANCERS

▶ ULTRASONIC SIVTEK

The Ultrasonic Sivtek enable you to sieve your powders on fine meshes with more accuracy than ever before. This improves the quality of your final products as well as their value.



▶ SIVTEK OTLAC®

The Sivtek OTLAC® is known as the no tool kit design as it helps to adjust lead angle at various degrees without help of any tool!



▶ MAXIMIZER DECK

The SIVTEK Maximizer Deck can be retrofitted to an existing equipment or a new equipment. It Improves the production capacity by over 50% without requiring any additional equipment.



▶ ROTARY BRUSH

Rotary brush system for vibro screen separators consists of a brush system and mobile chassis. It operates independently with the separator at low rpm. Lumps are broken apart by horizontal scraping motions and vertical crushing motions between the brush and screen.



## INDUSTRIES & APPLICATIONS WE SERVE



### FOOD & BEVERAGE

- Confectionery
- Spices / Flour
- Grains / Seeds
- Edible Oil



### FMCG

- Detergent Powder
- Soap Noodles
- Talcum Powder
- Tooth Powder



### PHARMA

- Pharma powder
- Syrup
- Homeopathy
- Herbal / Ayurvedic



### INKS & PAINTS

- Liquid Paint
- Powder Paint
- Grinding Media
- Printing Ink



### AGRICULTURE & FERTILIZER

- Cattle Feed
- Tobacco
- Urea
- Npk



### GLASS & CERAMICS

- Clay Slip
- Glaze
- Ceramic Powder
- Glass Sand



### CEMENT & SAND

- Quality Check
- AAC Blocks
- Garnet Sand
- Silica Sand



### CHEMICAL & PIGMENT

- Epoxy / MBS Resin
- Pigments
- Activated Carbon
- Charcoal



### MINERAL & METAL

- Metal Powder
- China Clay
- Calcium Carbonate
- Quartz



### PAPER & PULP

- Pulp Recovery
- Black Liquor
- Coating Solutions
- Starch Solutions



### PLASTIC & POLYMERS

- PVC Resin Pellet
- Polyethylene Powder
- Master Batch
- Latex



### WASTE WATER

- Water Recycle
- CIP Recycling
- ETP water
- De-watering

## SCREENING APPLICATIONS

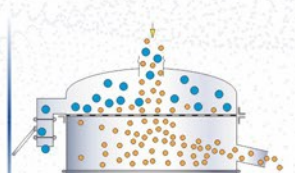
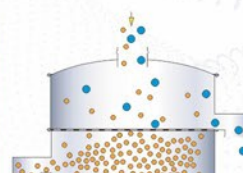
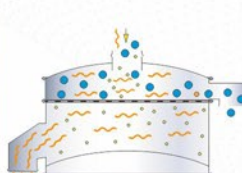
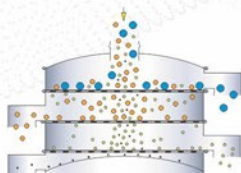
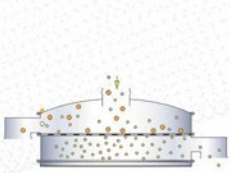
SIFTING

GRADATION

FILTRATION

CHECK  
SCREENING

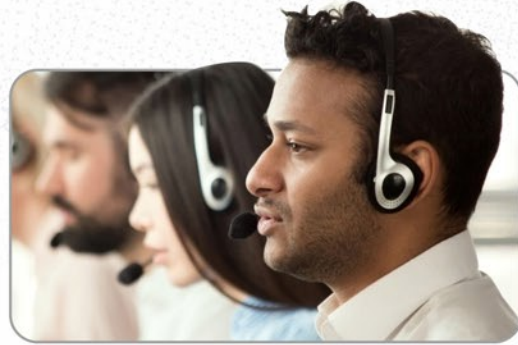
DEAGGLOMERATING



## AFTER SALES SERVICES

### 24 x 7 CUSTOMER SUPPORT

Galaxy sivtek is committed to provide you 24x7 customer support on your sieving and filtration challenges. We are bound to assist you before and after purchase of our sieving and filtering solutions. We also offer genuine after market spares to ensure that your production lines are always running. Get in touch with our team at any time.



### INHOUSE & ON SITE TRIAL FACILITY

Galaxy Sivtek conduct on site trial for processing industries, so that they can make appropriate decision to choose from the wide range of our Sivtek sifters and filters. Till date, we have successfully conducted more than 25k+ trials for 12+ industries ranging from food & beverage to the chemical industry, pharmaceutical to mineral & metal industry.

### MACHINE HEALTH CHECKUP

We work as your sieving & filtering solution partner! Our highly skilled & trained experts are at your service. We at Galaxy Sivtek help our clients in identifying how their machines are performing in the processing line, by conducting a machine health check-up. It will help them to analyse and take appropriate decisions.



### TECHNICAL TRAINING

Training programs are conducted by Galaxy Sivtek to educate every technician or operator at your premises. In house & on site training program helps your operator to understand that how to operate, service & maintain the sieving & filtration equipment. Galaxy Sivtek also train them on how to detect & prevent physical hazards that may effect the sieving process.

# COMMITTED GLOBALLY



SIEVING & FILTERING Solutions Galaxy Wide

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