

# SIVTEK VIBRO SEPARATOR<sup>®</sup>



# A SIVTEK VIBRO SEPARATOR FOR SCREENING AND SEPARATION OF POWDER, GRANULES & LIQUID SLURRIES

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Galaxy Sivtek designs are highly versatile and can be customized to your requirements. With decades of design experience in separators, we have developed hundreds of options and components that can be used to optimize a solution for your process. Our extensive database of engineering designs allows us to “plug-and-play” with these components to develop your solution.

Our vibro separators can handle a broad range of material... wet or dry, fine, or coarse, heavy or light, particles with very fine size can be screened at very high production rates. It is possible to incorporate as many as five screen decks into a Sivtek Separator, resulting in simultaneous separation into six fractions. It is generally not necessary to install special flooring or foundations. The unit is portable and can be moved wherever it is needed. Many users mount their vibratory screening equipment on casters, on top of bins, on open grids, on wood, on upper floors, or on light structures not designed for rectangular vibratory screening equipment. There are a number of advantages and features associated with these industrial sieves, which will ensure optimal results and ensure the integrity of the product.

Our high-performance gyratory screeners will give you optimum results whether for quality, quantity, or productivity, making them the ideal screening equipment.

## BENEFITS

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### NOISE CONTROLLED PROCESSING

With the Sivtek Gyro Screener, you are assured that the least amount of noise is produced while processing.



### COST EFFICIENT

There is little to no maintenance required for the Gyratory screener, which makes this machine cost effective.



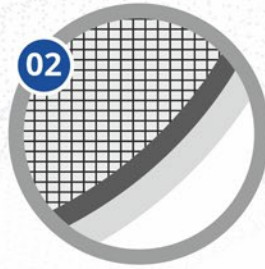
### REDUCES CLEANING TIME

The easy mesh changing clamps embedded in the screener allow you to always maintain the machine.

# 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 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.



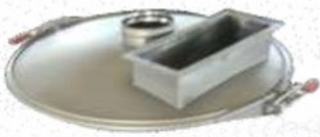
### ▶ STANDARD SCREEN RING

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

Many More ...

## SCREENING APPLICATIONS

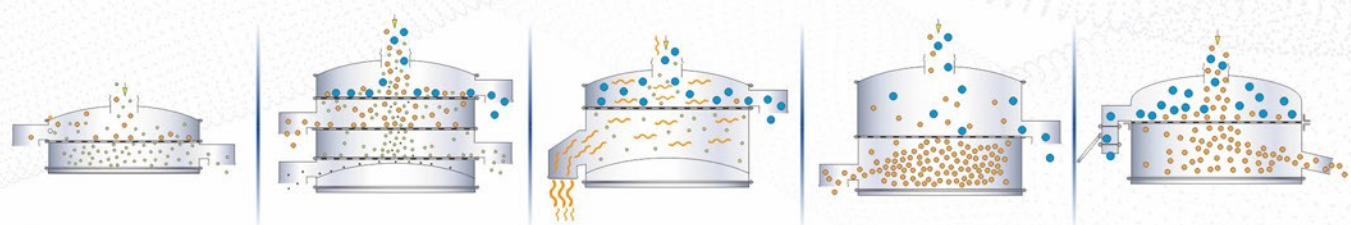
SIFTING

GRADATION

FILTRATION

CHECK SCREENING

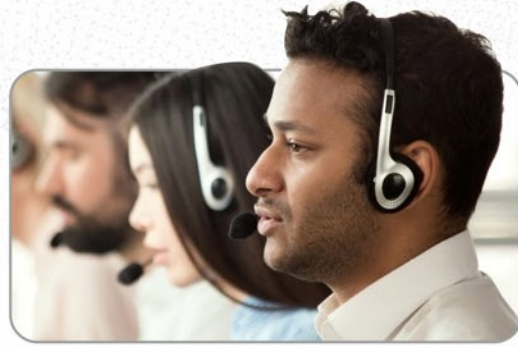
DEAGGLOMERATING



## 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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