

# VIRTO/ELCAN

*Screening the Impossible!*

with

## *SXE* Separator

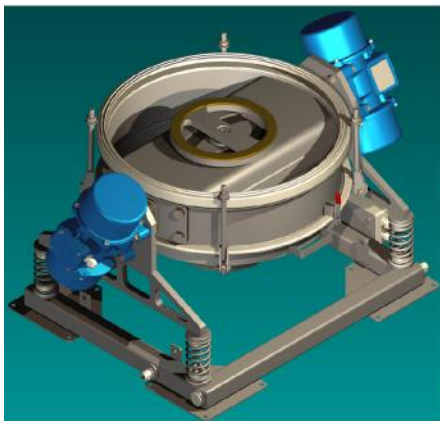
**K** Safety screening

**K** Classification / Sizing

**K** Fines Removal

**K** Slurry processing

**Never Screened Before Materials**



*From 10mm  
down to 20 $\mu$ m*



Novel technique based on multi-frequency vibration modes, which provides uninterrupted self-cleaning of sieves, fluidization and stirring of material and de-agglomeration of powder clusters. Resulting in increased feeding capacity and maximum efficiency per screening area, compared to traditional, ultrasonic and screeners with cleaning devices.

## **K Advantages**

- K Increased screening capacity.**
- K Improved product quality.**
- K Sizing down to 20 µm Cohesive and cluster-forming powder materials ('difficult' or 'impossible' to screen).**
- K Significantly high yield.**
- K Uninterrupted sieve self-cleaning.**
- K Simple positioning of fine mesh.**
- K Prolonged sieve life.**
- K Eliminating expensive re-tensioning of fine meshes**
- K Simple and cost-saving sieve replacement procedure**
- K High Reliability - entirely mechanical device, no electronics or pneumatic parts.**
- K Simple and low-cost installation and maintenance.**
- K Simple and easy inner cleaning.**

## **Features**

- K Stainless steel or mild- steel body with special coating or finishing**
- K Frequency inverter for quick adjustment and process optimization.**
- K Clamped cover and undersize bin**



**SXE 950-2 (Double-Deck)**

For more information please visit our internet Site:

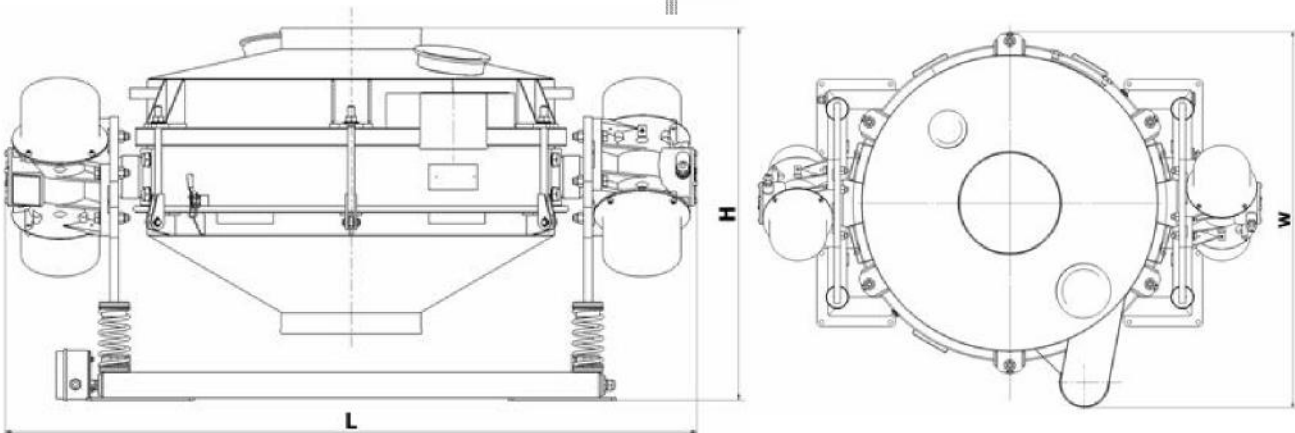
[WWW.VIRTO-ELCAN.COM](http://WWW.VIRTO-ELCAN.COM)





Easy, simple and inexpensive to changing of worn fine meshes – just cut necessary piece of mesh from a roll and superpose it over the sieve assembly.

Pure mechanical device.  
Cover and undersize bin are removable. All inner space and parts are easily reached for cleaning.



Types	SXE 650	SXE 950	SXE 950-2	SXE 1200	SXE 1200-2
Ø D, mm	650	940	940	1190	1190
Active Sieve Area, m <sup>2</sup>	0.33	0.7	2x0.7	1.1	2x1.1
Nominal Power, kW	1	1.1	1.1	1.1	1.1
Weight, kg	230	340	430	405	520
Dimension, L×W×H, mm	1250x880x740	1610x1240x920	1606x1305x1104	1876x1502x957	1856x1608x1134

## Screening Capacity per 1 sq. m

Powder Material	Screening Task	Sieve Aperture, microns	Feed Capacity, kg/h per 1sq. m
Tungsten Carbide- grade 0; FSS =0.8µm	Safety screening	300	925
		75	160
Tungsten Carbide - grade 2; FSS =2.5µm	Safety screening	75	370
Nickel powder	Classification (double-deck) Safety screening	75 (top)	250
		45(bottom) 147	2100
Silicon Carbide (SIC)	Safety screening	65	1200
		25	100
Aluminum	Safety screening	48	250
Magnetite	Classification	71	295
Iron	Classification	42	540
Iron Oxide	Safety screening	48	136
Molybdenum, FSS = 4.5 micron	Safety screening	160	600
Cobalt	Safety screening	44	90
		25	45
Bronze	Classification	44	680
Zinc	Safety screening	230	2500
		74	1030
Chromium	Classification	45	170
Mica powder	Consecutive classification	250	420
		75	120
Pumice powder	Consecutive classification	224	250
		60	170
Silica powder	Classification	24	60
		75	180
		125	500
Limestone	Safety screening	45	300
Basalt sand	Classification	500	1500
Quartz sand	Classification	44	230
		75	1000
Polyvinylpyrrolidone	Fines removal	67	750
TetrabromoBisPhenol	Fines removal	63	400
Paraffin Wax Powder	Safety screening	20	50
Coal Ash	Classification	30	160
Magnesium Oxide	Safety screening	150	800
Alumina	Safety screening	500	620
		48	27

