

NAVECTOR'S ROTARY SIFTER

A Better Way of Sieving to Increase Production

Navector's Rotary Screen (NRS) with its imitation of artificial screening process mechanically simulated, which supports you with a better sieving performance!

A BETTER SIEVING SOLUTION

- ✓ Control screening, classifying, de-dusting of dry material
- ✓ Meet high feed rates, large output, high-density sieving
- ✓ 5-10 times sieve life than usual sieving machine
- ✓ For sphere, cylinder, flake and irregular shape materials
- ✓ For precise separation of material in 1-6 decks
- ✓ Feed rates from 10 kg/hr up to 50 t/hr
- ✓ Available with mesh sizes of 20 microns to 20 mm
- ✓ 100% airlock, dustproof



APPLICATIONS

- ✓ Food Additives
- ✓ Chemicals
- ✓ Pharmaceuticals
- ✓ Building Material
- ✓ Metal Powders
- ✓ Tea
- ✓ Feed
- ✓ Fertilizer
- ✓ Plastic Pellet
- ✓ Resin
- ✓ EPS/PVI/PVC

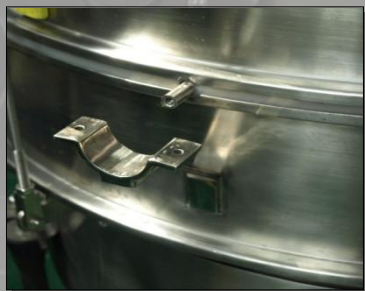


Reliable Motor

Insulation & Protection class safeguard your production

Grounding Conductor

Secure, reliable and convenience for operation
For E-static material difficulty to sieve



Rubber Components

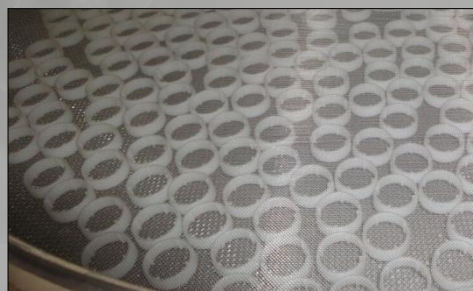
Food-graded silicon complies with FDA, GMP

Transducer Fixer

Designed for Ultrasound system interface

Screen Lifter

Easy & quick change screen



Screen

Available with diameter from 1000-2000mm, Option of Ultrasound screen

Jumping Ring

Easy mesh cleaning, blockage free



Fabrication & Customization

Specification	Capacity
Feed Sizes	20 μ m – 20 mm
Feed Rates	1 kg/h – 50.000 kg/h
Bulk Densities	20 – 10.000 g/l
Mesh Openings	20 μ m – 20 mm
Screens Usable	Stainless steel wire or perforated plates
No. of Decks	1 – 5
Mesh Cleaning	Jumping balls/rings, Rotating brush, Ultrasound
Speed Range	180 – 280 min ⁻¹
Screen Movement	3-dimensional, settable
Acceleration	1.3 – 1.8 g / 60 – 80 mm horizontal & 5 – 40 mm vertical
Materials	Carbon steel, stainless steels 304/316
Machine Surface Treatment	Painted, brushed or mirror polished



Rotary sifter (NRS1200AS) with Ultrasound system at Abifor- plastic masterbatch producer. The material feeds from grinding stage and goes to packing stage after our sieving process, nitrogen introducing through into above grinder and Rotary 1200 sifter during the process to maintain the form of material.

SERVICE WE OFFER

- ✓ Cutting edge sieving solution
- ✓ Meet individual requirement to large industrial plant
- ✓ Fabricate custom design products
- ✓ Compatible screen & part replacement

Spec\NRS Model	1000	1200	1500	1800	2000
Screening Area (m ²)	0.785	1.13	1.68	1.9	2.12
Diameter (mm)	1010	1250	1490	1810	1950
Motor Power (kw)	1.1	2.2	4	4	4
Weight (kg):	850	1000	1340	1450	1530
Voltage	3 phase, 380V, 50HZ or 3 phase, 415V, 50HZ (Customized)				
1 Deck Height (mm)	936	1262	1285	1385	1435
2 Decks Height (mm)	1048	1375	1398	1498	1528
3 Decks Height (mm)	1159	1488	1511	1611	1644
4 Decks Height (mm)	1271	1601	1624	1724	1745
5 Decks Height (mm)	1383	1714	1737	1837	1859



NRS1200BS with Ultrasound system for processing Titanium alloy, which presents NRS airlock feature where inter gas introducing through during the process to protect Titanium from being oxidized.



Vacuum tank for material collection

