NETZSCH

Proven Excellence.

NETZSCH Classifier *Monsoon*

Classifier for Coarser Products

Business Unit
GRINDING & DISPERSING

NETZSCH Classifier *Monsoon*

Monsoon Classifiers have been developed for very economical coarse classification and dedusting of granulates

This type of classifier does not require any peripheral equipment such as fans, filters, etc. Feed enters the *Monsoon* Classifier at a controlled rate from the top and falls onto a rotating distributor plate. The plate disperses the product into an adjustable airstream which is generated by the internal fan. The fines are entrained in the air stream and are carried over to the outer cone whilst the coarse particles fall down into the inner cone. The products are discharged from the bottom of the machine. This self-contained process significantly reduces investment, maintenance and operating costs.

The *Monsoon* Classifier has been developed especially for the separation of fine products between 45 µm - 300 µm. High yields are achieved at very low specific energy consumption.

To improve screening eciency, the *Monsoon* Classifier can be operated prior to a screening machine. This *Monsoon* is used to "de-dust" the incoming material at typically 75 µm - 125 µm. This installation will not only improve the screening eciency, but also produce a second "fine" product. For abrasive products, all rotating parts as well as all parts in contact with the product can be lined with Ceramic or Polyurethane. Furthermore, hardened material can be used for all wear affected parts as well.

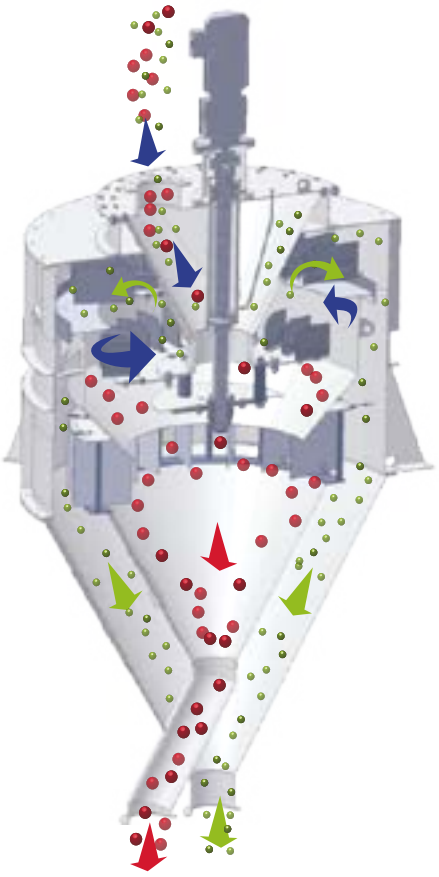
When the material to be processed is abrasive, the inlet chute and the rotating parts are either hardened or lined as appropriate. In addition, the body itself can be lined with ceramic tiles or polyurethane if iron contamination is to be avoided.

Benefits

- Cut point down to d_{98} < 45 µm
- Extremely reliable and robust design
- Low specific energy consumption
- Low investment cost
- Easy and quick maintenance resulting in low maintenance costs
- No peripheral equipment necessary
- Suitable for abrasive products
- Improves fine screening

Monsoon 2500

Operating Principle



blue: Air Inlet
red: Coarse
green: Fines

Technical Data

Monsoon		1500	2000	2500	3000	3500
Feedrate approx.	[t/h]	1 - 10	3 - 20	7 - 35	12 - 50	15 - 80
Rotor speed max.	[rpm]	600	430	350	280	220
Installed drive	[kW]	7.5	15	22	30	45
Fineness d_{98}	[µm]	45 - 300	45 - 300	45 - 300	45 - 300	45 - 300

The owner-managed NETZSCH Group is a leading global technology company specializing in mechanical, plant and instrument engineering.

Under the management of Erich NETZSCH B.V. & Co. Holding KG, the company consists of the three business units Analyzing & Testing, Grinding & Dispersing and Pumps & Systems, which are geared towards specific industries and products. A worldwide sales and service network has guaranteed customer proximity and competent service since 1873.

Proven Excellence.

Business Unit Grinding & Dispersing – The World's Leading Grinding Technology

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NETZSCH Vakumix | Germany
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