

# NETZSCH

Proven Excellence.



## NETZSCH Air Turbo Classifier *BORA*

Air Classifier for Special Products

# NETZSCH Air Turbo Classifier *BORA*

*BORA* Air Turbo Classifiers have been developed specifically for ultra-fine products with high added value

The *BORA* Air Turbo Classifiers have been developed from our *SCIROCCO* and *MISTRAL* classifier technology, combining the benefits of both machines to produce a high performance classifier at a very competitive price.

Because of their high top cut sharpness, they are suitable for the production of opacifiers and similar products. Covering an airflow range from 360 m<sup>3</sup>/h to 6000 m<sup>3</sup>/h, the classifiers can be used either in a laboratory scale or for high production capacities. Also, abrasive products such as quartz, zircon oxide, etc can be separated without high wear.

The classifier rotor can be built in various ceramics and steel alloys depending on the application



*BORA* 360 CD for quartz



*BORA* 50 SD,  $d_{98} < 2 \mu\text{m}$

## Benefits

- Cut point down to  $d_{98} < 2 \mu\text{m}$
- Lab size available
- Range from laboratory to industrial production sizes
- Direct transmission
- Available in stainless steel
- Several types of solid ceramic rotors for abrasive products
- Housing can be lined with ceramic or polyurethane

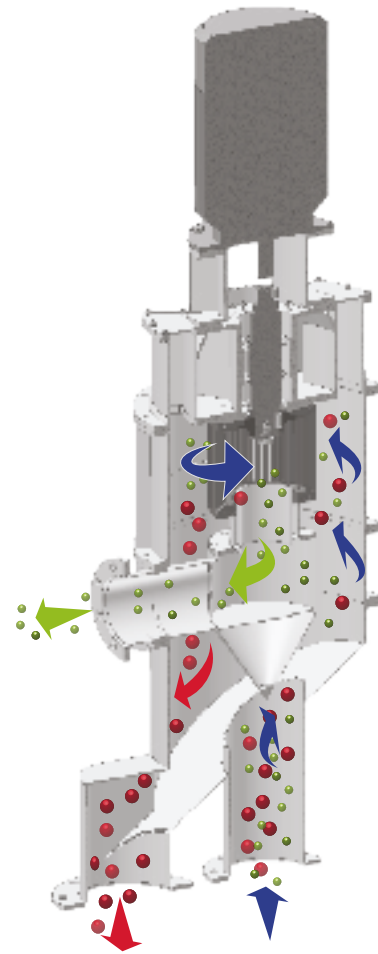


Tungsten carbide rotor



Aluminum oxide rotor

## Operating Principle



blue: Air Inlet  
red: Coarse  
green: Fines

## Technical Data

<i>BORA</i>		Lab	25	50	100	360
Air throughput approx.	[m <sup>3</sup> /h]	360	900	1 800	3 600	6 000
Feed rate approx.	[t/h]	0.1 - 0.3	0.4 - 0.9	0.9 - 1.8	1.5 - 3	3 - 6
Rotor speed approx.	[rpm]	24 000	15 000	8 700	6 700	5 000
Installed drive	[kW]	3	5	10	15	45
Fineness $d_{98}$	[ $\mu\text{m}$ ]	2 - 100	2 - 100	2 - 100	5 - 60	5 - 60

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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