

# NETZSCH

Proven Excellence.



## NETZSCH Air Classifier *SCIROCCO*

Air Classifier for Fine Products

# NETZSCH Air Classifier *SCIROCCO*

*SCIROCCO* Air Classifiers have been developed for the production of finenesses from 5  $\mu\text{m}$  -150  $\mu\text{m}$

The *SCIROCCO* series belong to the family of turbo classifiers with turbulent airflow, also called centrifugal classifiers. These classifiers achieve a very high yield at a low specific energy consumption. The solid design reflects NETZSCH's philosophy of building machines that last a very long time.

The *SCIROCCO* can be supplied with a ceramic classifier wheel and the body lined with ceramics or polyurethane as wear protection for processing abrasive materials or to prevent iron contamination. The classifier rotor and the body can be made of stainless steel. The *SCIROCCO* head is also available for existing Pendular Roller Mills to improve product quality and quantity.

The state-of-the-art technology behind the *SCIROCCO* classifiers allows to process materials with up to 30% less energy than other classifiers, making the *SCIROCCO* the most energy efficient classifier in the market.

The concept of feeding the product together with the main air flow from the bottom enhances the dispersion of the product. This effects enables the classifier wheel / rotor to do a very efficient top cut at a low energy consumption. The vertical shaft rotor configuration has been considered in order to aim a very clean top cut with low ppm's content of the final product, making the final product suitable for the most demanding customers.



## Benefits

- For soft and hard minerals
- Cut points from 5  $\mu\text{m}$  to 150  $\mu\text{m}$  ( $d_{98}$ )
- Throughputs from 3 t/h to 50 t/h
- Low investment and extremely reliable design
- Up to 30% energy save compared to main competitors
- Rotor in hardened steel or ceramics
- Ceramic and polyurethane linings
- Stainless steel design available
- References all over the world



SCIROCCO 200 CD for abrasive products with ceramic flaps



SCIROCCO steel rotor

## Operating Principle



blue: Air Inlet  
red: Coarse  
green: Fines

## Technical Data

SCIROCCO		100	200	300	400	500	600	700	800	900	1200
Air throughput approx.	[m <sup>3</sup> /h]	3 750	7 500	10 000	15 000	18 000	22 500	26 000	30 000	40 000	50 000
Feedrate approx.	[t/h]	2 - 3.8	4 - 7.5	7.5 - 10	7.5 - 15	15 - 18	11 - 22.5	18 - 25	15 - 30	30 - 40	25 - 50
Rotor speed approx.	[rpm]	4 600 - 5 900	3 250 - 4 300	2 000	2 500 - 3 000	1 500	2 000 - 2 500	1 200	1 550 - 2 150	1 150	1 000 - 1 450
Installed drive	[kW]	11 - 15	22 - 30	18.5	30 - 37	22	45 - 55	37	55 - 75	45	90 - 132
Fineness $d_{98}$	[ $\mu\text{m}$ ]	4 - 50	4 - 50	12 - 150	4 - 60	12 - 150	6 - 90	12 - 150	6 - 90	12 - 150	8 - 150

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.

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## Business Unit Grinding & Dispersing – The World’s Leading Grinding Technology

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