

IVA KOREA Co.,Ltd



Plant Design
Engineering
Manufacturing
Consulting

Turbo Classifier series ITC



Application:

- ◆ Mineral fillers
- ◆ Ceramic fillers
- ◆ Food
- ◆ Chemical products
- ◆ Other soft to hard powders

Performance:

- ◆ Fines Capacity 0,03 to 7 t/h
- ◆ Fineness $d_{97} = 5 \mu$ to 45μ

Features:

- ◆ Fine classification with high performance
- ◆ Direct and belt drive
- ◆ Feed in the classifying zone by air
- ◆ High feed rates possible
- ◆ Adjustment of cut point by variable rotor speed via frequency converter
- ◆ Construction material mild steel, stainless steel or wear protected
- ◆ The solid construction and the selected materials of construction give a long life time with low maintenance costs and low investment

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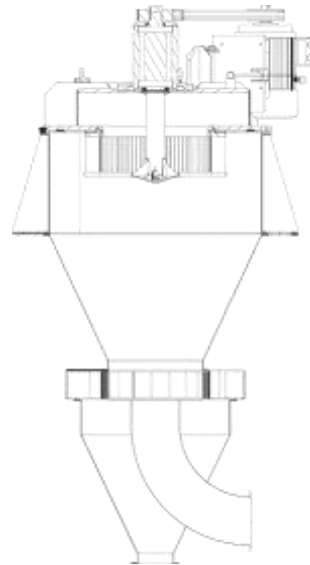
The ITC air classifier is designed for fine classifications in the range of 5 - 45 μ .
 This type of classifier belongs to the family of turbo classifiers.
 The classifier ITC is a so-called deflecting wheel separator.
 The feed material is transported "airborne" by the primary air into the classifying chamber.

The secondary air, entering the classifier chamber via a ring of guide vanes, has to disperse agglomerates.

Mainly the classifier is integrated in a grinding - classifying circuit.
 For this application a high feed rate with a good yield is assured.

The materials of construction are selected for highest strength during production. The wheel is placed in a vertical position to get a good dispersion of the feed product.

The machines of the series ITC can be protected against wear.



Technical Data:

Fineness	$d_{97} = \mu\text{m}$	5	6	8	10	20	45
ITC 132	[kg/h]	35	50	70	100	150	190
ITC 200	[kg/h]	60	90	125	200	300	370
ITC 315	[kg/h]	130	220	330	500	760	950
ITC 500	[kg/h]		400	700	1.000	1.600	2.100
ITC 630	[kg/h]			900	1.500	2.100	3.000
ITC 750	[kg/h]			1.200	2.100	3.300	4.400
ITC 1000	[kg/h]				3.100	5.100	6.500

Remarks:

- Capacities based on limestone (density 2,7 kg/dm³)
- Feed capacity approx. 3-times fines capacity
- Fines content in fee approx. 70 %
- Data depending on tests