

## Multi-Wheel Classifier series MWC



### Application:

Mineral fillers  
Ceramic fillers  
Food  
Chemical products  
and other powders

### Performance:

Fines Capacity 0,06 to 2,6 t/h  
(based on single wheel)  
Fineness  $d_{97} = 5 \mu$  to  $45 \mu$

### Features:

3 to 6 rotors in a classifier chamber  
Direct driven rotors  
High speed drive system  
Adjustment of cut point by variable rotor speed via frequency converter  
Fine classification with high performance by special wheel design  
Feed from bottom with main air stream for high feed rates  
Best sharpness by most effective coarse classifying zone  
Construction material can be 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



This air classifiers series MWC, has been developed especially for ultra fine cut points. With the MWC series we extended our program of the ITC-series. The main point of its development was to achieve a high fineness of the end product. A good sharpness, high efficiency and low specific energy consumption with highest fines output were the guideline for this target. We could achieve these criteria by optimising the dynamic of air flow, the material resistance and the multi-wheel concept. With this series we can offer an air classifier to meet even the most exciting product requirements.

The classifying wheel of the series MWC is especially developed for highest strength during production. The wheel is placed in a horizontal position. The rotor and the drive are designed as a complete module. Also a wear protected wheel can be supplied.



## Technical Data:

Fineness	$d_{97} = \mu\text{m}$	5	6	8	10	20	45
MWC 200	[kg/h]	60	110	150	175	350	450
MWC 315	[kg/h]		270	400	550	800	1.100
MWC 400	[kg/h]			600	800	1.200	1.700
MWC 500	[kg/h]			800	1.200	1.900	2.600

## Remarks:

- Capacities based on single wheel
- Sizes up to 6 rotors
- Capacities based on limestone (density 2,7 kg/dm<sup>3</sup>)
- Feed capacity approx. 3-times fines capacity
- Fines content in fee approx. 70 %
- Data depending on tests