

# IVA KOREA Co.,Ltd



Plant Design  
Engineering  
Manufacturing  
Consulting

## Multi-Wheel Classifier series IMC



### Application:

Mineral fillers  
Ceramic fillers  
Food  
Chemical products  
and other powders

### Performance:

Fines Capacity 0,22 to 3,6 t/h  
(based on single wheel)  
Fineness  $d_{97} = 6 \mu$  to  $45 \mu$

### Features:

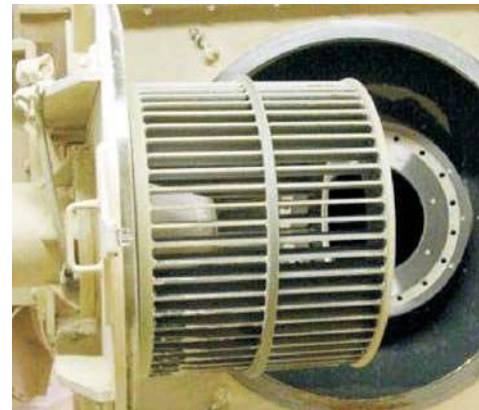
Separate rotor housings in multi-wheel design  
for easy maintenance  
Fine classification with high performance  
Feed from bottom with main air stream for  
high feed rates  
High speed drive system  
Adjustment of cut point by variable rotor  
speed via frequency converter  
Construction material can be mild steel,  
stainless steel or wear protected  
Replaceable rotor parts  
The solid construction and the selected  
materials of construction give a long life time  
with low maintenance costs

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This air classifiers series IMC, has been developed especially for ultra fine filler products. With the IMC 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 IMC is especially designed for highest strength during production. The wheel is placed in a horizontal position and can be controlled and maintained via a hinged door. Also a wear protected wheel can be supplied.



## Technical Data:

Fineness	$d_{97} = \mu\text{m}$	6	8	10	20	45
IMC 315	[kg/h]	220	350	450	700	1.000
IMC 400	[kg/h]		500	700	1.000	1.400
IMC 500	[kg/h]		700	1.000	1.600	2.200
IMC 630	[kg/h]			1.500	2.600	3.600

## 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