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Air Classifying Mill

A fine pulverizer with adjustable rotational speed for flexible particle size control, combined with a cooling system to ensure high grinding performance and operational durability.

This dry pulverizer operates on a principle where raw materials fed through the hopper are pulverized as they pass between the inner wall (liner) of the grinding chamber—with its uneven surface—and a high-speed rotating rotor. The centrifugal force generated by the rotor creates a vortex, which automatically classifies and discharges the finely ground material at a consistent particle size. This enables compact and cost-effective fine grinding.



Registered patent (KR)
Food Pulverizer

10-1647681 (KR)



Processing Capacity

* Depends on particle size

50~800 kg/hr*



Particle Size

10~150 μm

(1,340~90 MESH)

APPLICATION FIELDS



Food Agricultural products Pigment / Cement Secondary battery Pharmaceutical Cosmetics Tea and Coffee

PRODUCT FEATURES

01 • Excellent performance and efficiency

• Integrated system

Grinding and classification are performed simultaneously, eliminating the need for a separate classifier and preventing foreign material contamination.

• Customized particle size control

By adjusting the rotational speed of the separator, the particle size of the product can be precisely controlled as desired.

• Wide range of applicable materials

Effective for fine and ultrafine powder processing ranging from 120 micrometers to several micrometers, as well as various products with high oil content or viscosity.

• Uniform particle size

The ground material has a uniform particle size, enhancing product dissolution rate and absorption efficiency.

02 • Designed for safety and hygiene

• Low heat generation and low dust emission

With minimal heat generation and dust dispersion, materials with explosion risks can be safely ground.

• Easy cleaning

Designed for easy disassembly and assembly, facilitating convenient CIP (Cleaning in Place).

• Hygienic design and structure

Stainless steel is used for all product-contact parts to ensure hygiene, and a back filter system captures dust to maintain cleanliness within the workspace.

PRODUCT SPECIFICATIONS

Type	Product Name	Processing Capacity	Size (W x D x H, mm)	Power Consumption
Entry	ACM-280	~ 50 kg/hr	1,150 * 420 * 662H	9 kw
	ACM-350	50 ~ 100 kg/hr	1,480 * 550 * 780H	17 kw
Small	ACM-400	100 ~ 200 kg/hr	1,650 * 800 * 1,150H	22 kw
Medium	ACM-600	200 ~ 400 kg/hr	2,200 * 850 * 1,400H	37 kw
Large	ACM-800	400 ~ 600 kg/hr	2,600 * 1,100 * 1,500H	55 kw
Extra-large	ACM-1000	600 ~ 800 kg/hr	3,000 * 1,400 * 1,700H	75 kw