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## MECHANICAL PULVERIZER - SR Series - BM Series

### SUPER ROTOR

### BLADE MILL

Pulverization of  $\mu\text{m}$  size which was the range of JET MILL is now possible to be executed by this system.

Thanks to its mechanical system, pulverization is achieved at low cost.

While pulverizing the material finely, it can prevent excessive pulverization which causes unnecessary fine particles to be produced, so the product, which has narrow size distribution is efficiently produced.

The pulverization specifications which conventionally consisted of 2 steps, i.e. medium pulverization & fine pulverization, are now integrated into one process.

Since the air flows at high speed in the unit, the powder does not cling to the unit inside and the particle size of a product is quickly stabilized, which is not disrupted even in a long-run.

Using the cool air generator, fine pulverization of the heat sensitive powder (such as toner, powder coating) is easily achieved.

The blade mill with a unique blade structure can pulverize the material of the size up to several cm to the powder of  $\mu\text{m}$ .

The blade mill is ideal for pulverization of food material which contains a lot of elastic and/or fiber material.



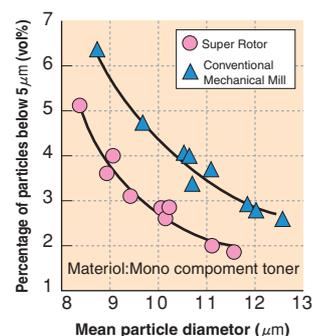
SR-25  
BM-25

Coupling System of Classifier TC-15/  
Pulverizer SR-15



**The Super Rotor - an optimal solution for finely pulverizing materials such as resin. It is a blade mill capable of efficiently pulverizing material which is elastic and/or contains fibers. The powerful spiral flow originated in the narrow clearance between the fixed liner and the rotor with a unique groove shape realizes highly efficient and fine pulverization!!**

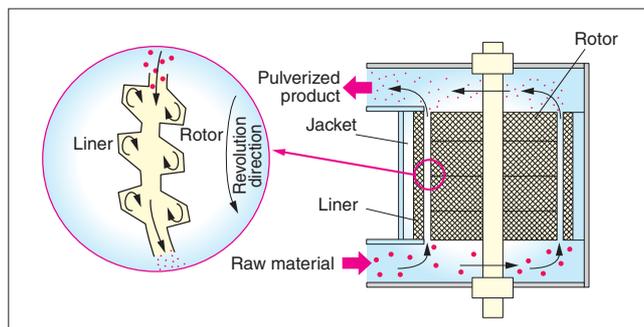
The Super Rotor employs a special rotor for pulverization to achieve low running cost and stable pulverization during a long running. While executing the fine pulverization, it prevents excessive pulverization to achieve very sharp distribution of the particles pulverized.



■ Structural cross section

#### ■ Specifications

Models	SR-15 BM-15	SR-25 BM-25	SR-50 BM-50	SR-75 BM-75
Processing capacity (kg/h)	1~10	10~250	25~500	50~1,000
Dimensions W×L×H (mm)	850×400×480	1295×835×845	2090×1160×1340	2870×1430×1613
Weight (kg)	165	800	3000	5000
Revolution speed (min <sup>-1</sup> )	~15,000	~12,000	~5,500	~4,000
Airflow Rate (m <sup>3</sup> /min)	0.5~3	4~8	8~25	15~35
Motor Capacity (kW)	3.7~5.5	11~18.5	30~45	55~75



The material put into the unit goes through the space (pulverization zone) between the liner and the rotor (blade). The powerful spiral flow generated by the liner and the rotor (blade) with unique groove structure engulfs the powder of the raw material and pulverizes it. The spiral flow has the powder stayed in the pulverization zone for a long time and promotes pulverization to produce fine particles.