

Typical Performance

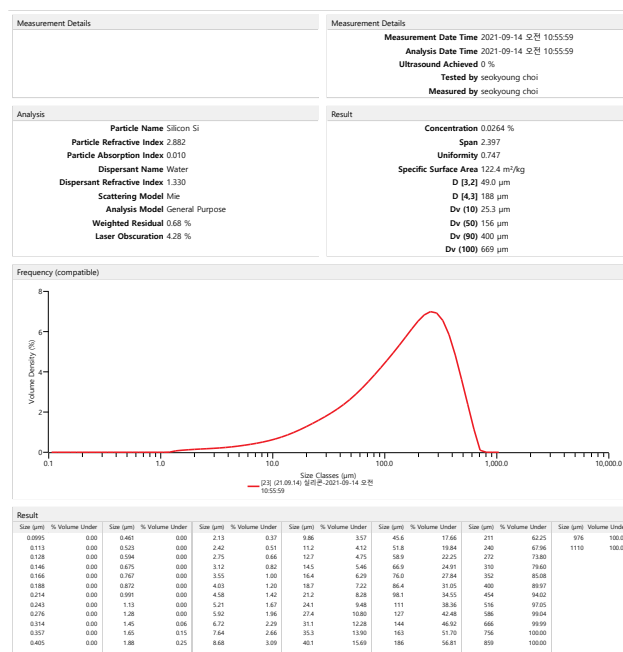
Pilot Test

Material	Model	Capacity (kg/hr)	Particle Size Distribution (d50, μm)		Remarks
			Input	Output	
Glass	DGMSJMV-100	5 ~ 10	> 30	2~8	Ceramic wheel
Cosmetics	DGMSJMV-140	5 ~ 8	> 25	2.5~5	Ceramic wheel
Wax	DGMSJMV-100	3 ~ 7	> 120	1.8 ~ 4.5	Ceramic wheel
Carbon black	DGMSJMV-100	3 ~ 5	> 18	1.5 ~ 8	Ceramic wheel
Ginseng	DGMSJMV-100	4 ~ 7	> 150	4 ~ 90	Ceramic wheel
Lithium compounds	DGMSJMV-350	200	> 20	2.3~5	Ceramic wheel
Silicon	DGMSJMV-140	1 ~ 2	> 150	4 ~ 5	Ceramic wheel
Pigment (White)	DGMSJMV-00	8 ~ 10	> 18	3.5 ~ 6.9	Ceramic wheel
Slag	DGMSJMV-100	6 ~ 9	> 15	4 ~ 8	Ceramic wheel

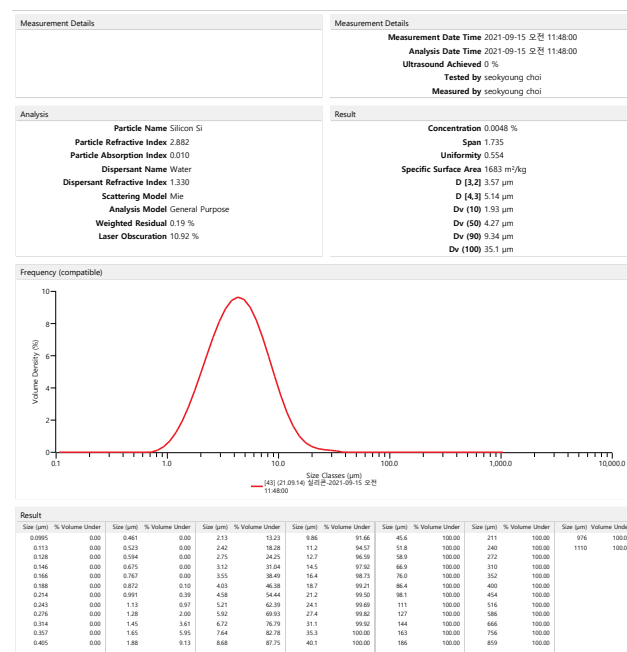
※Specifications and performance may vary depending on the raw materials and their characteristics.

Micro Sizer Jet Mill

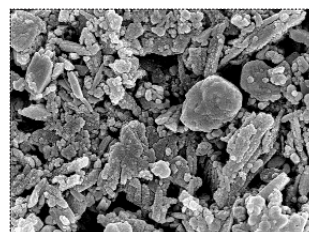
Specially developed for grinding down to micrometer range, this can be done to easy cleaning and handling with good operating.



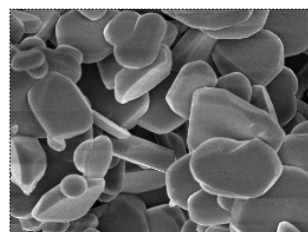
INPUT



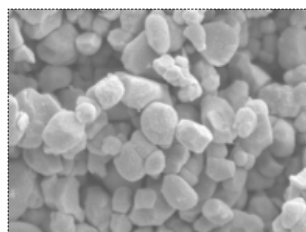
OUTPUT



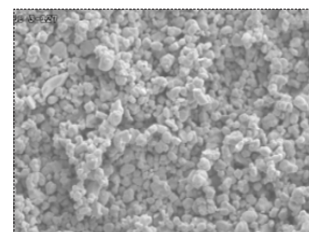
Ginseng



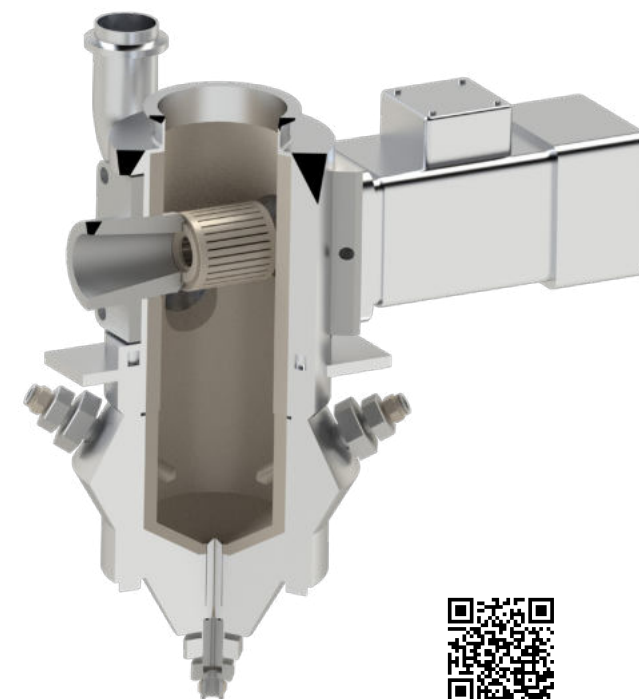
Slag



Wax



Lithium



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Introduction

Micro Sizer Jet Mill is a dry-type grinding device using compressed air, designed to effectively crush abrasive, ceramic, glass, Teflon, wax, toner, etc., and is capable of grinding raw materials at a low melting point and economically grinds raw materials that have high solidity. The raw material is automatically supplied from the hopper using the Double Flap Valve and is automatically quantified by the Load Cell installed in the crushing part to measure the grinding efficiency and the amount. Compressed air from the compressor flows into the pulverizer at approximately Mach 1.5 speed through a specially designed nozzle, creating turbulence so the materials can be collided, fictionalized, and crushed by shearing. At the top of the pulverizer, the high-speed separator circulates the crushed materials that were not entirely crushed into the pulverizer by centrifugal force to separate the desired particle size. The materials are precisely separated under 3.0um, and the materials are finally collected by Cyclone, Bag Filter, Operation parameters include air pressure, the rotational speed of the rotor, the rotational speed of the separator, the feed speed of the raw material, and the feed amount of the raw material inside the shredder.



Standard Specifications & Dimensions

Specification		DGMSJMV-100	DGMSJMV-140	DGMSJMV-200
Diameter - A (mm)		100 (ID)	140 (ID)	200 (ID)
Total Height - B (mm)		1,950	2,160	3,600
Dimension - C X D (mm)		1,930X850	2,000X1,200	3,000X1,200
Grinding Zone	Air flow (m3/hr)	120	150	240
	Air pressure (kg/cm2)	5~7	5~7	5~7
Classifying Zone	Motor (kw)	0.75	2.2	2.2
	Speed (rpm)	23,000	18,000	12,000



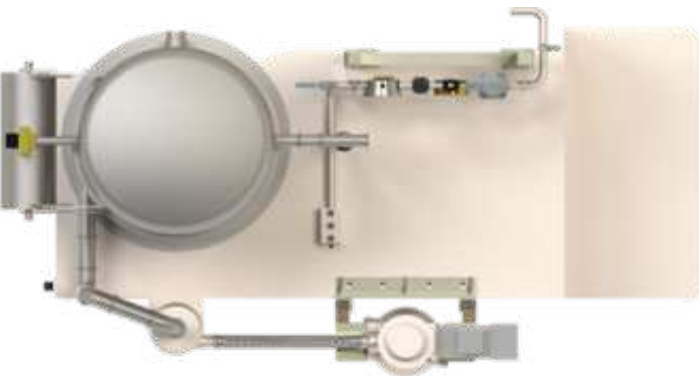
Separator



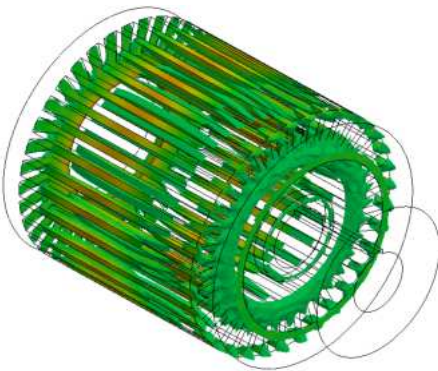
Nozzle

Features

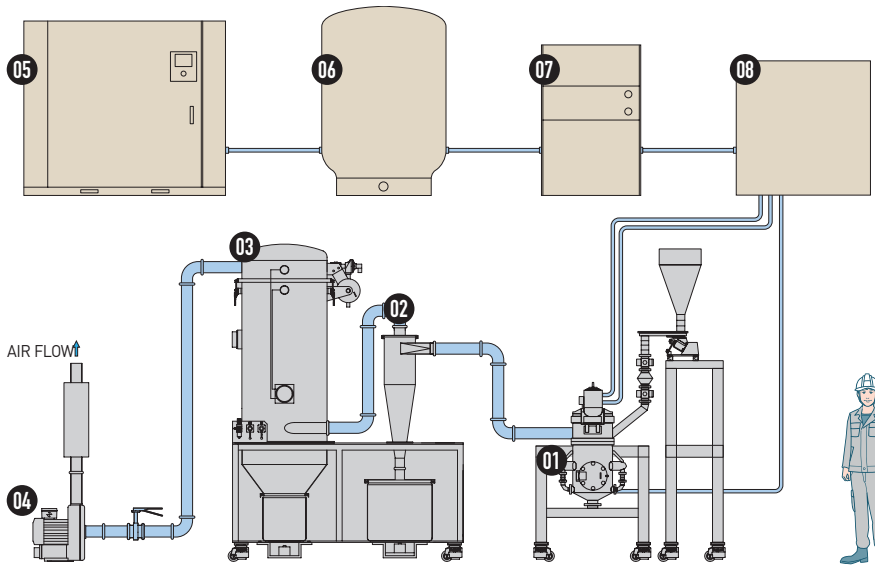
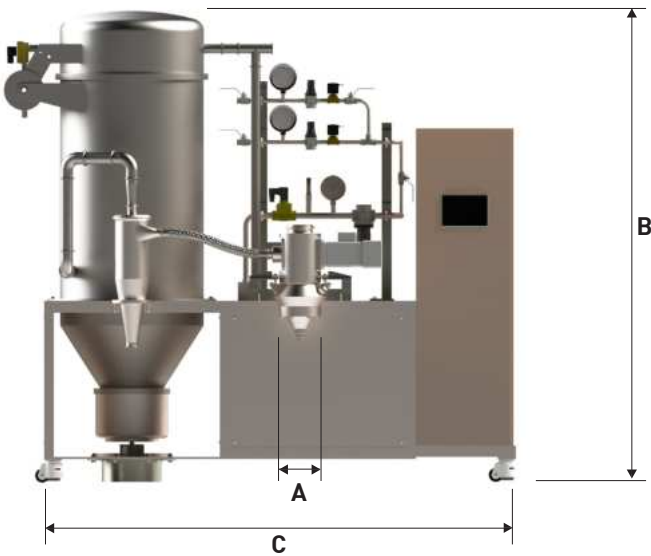
- 1.Adjust the range of distribution of particle size for the product
- 2.The range of particle size distribution is narrow
- 3.Various models available from laboratory use to mass production
- 4.Abrasion-resistant material
- 5.Measurement operation by the load cell
- 6Automatic operation by PLC
- 7.Excellent for grinding materials that have a low melting point
- 8.Compact design and easy to clean



Top View



FEA



- 01 MSJMV
- 02 CYCLONE
- 03 BAG FILTER
- 04 BLOWER
- 05 AIR COMPRESSOR
- 06 AIR RECEIVER TANK
- 07 DRYER
- 08 AIR CONTROL STATION
- 09 CONTROL PANEL



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