



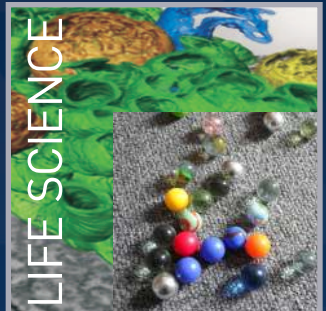
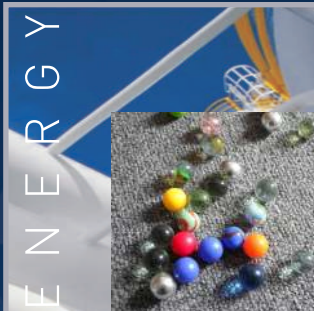
YES Solutions

Mixing / Dispersing
Powder Refinement Technology

JET MILL



We offer you
One thing first and foremost:
An open range of possibilities.



JET MILL



The pulverization has taken place in the central chamber of SI JET MILL as the processed materials are driven at near sonic velocity around the perimeter of the toroidal chamber by the jet airs. No grinding media are added. Excellent particle size reduction can be achieved as a result of the high velocity collisions between particles. The interior of the chamber is designed to enable the recirculation of over-sized particles for enhancing the effective collisions.

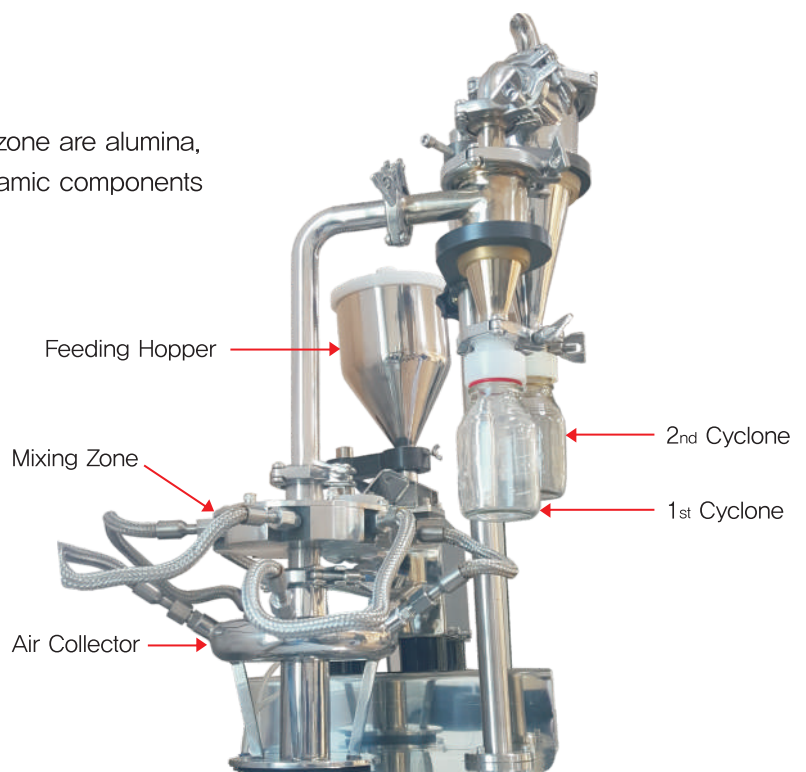
As particles are reduced in size and progressively lose their mass, they naturally migrate toward the central discharge port. Finally the precise classification is done via the cyclone with the dust collector. SI JET MILL is suitable for friable or crystalline materials or abrasive things virtually.

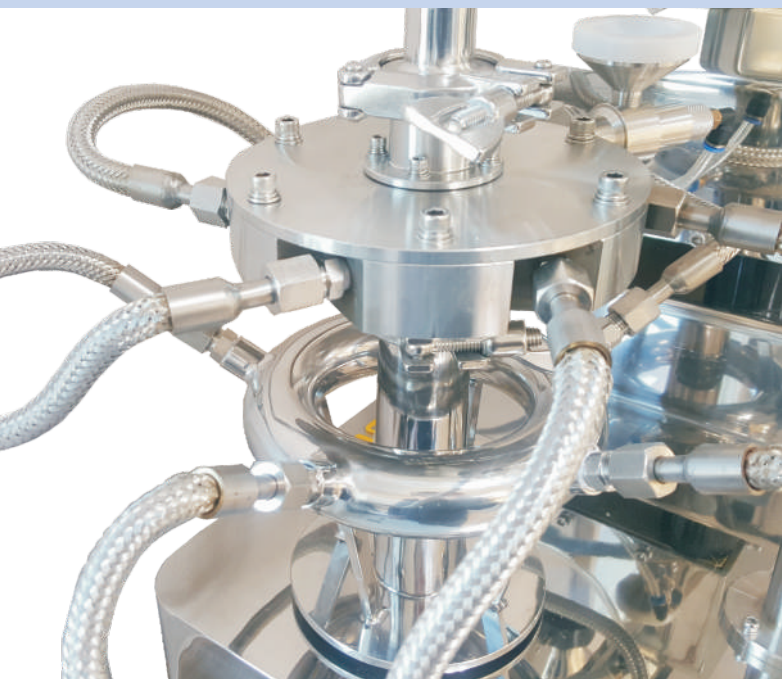
■ The Areas of Application

- | | |
|-----------------------------------|---------------------|
| Battery Material | Cereals |
| Paint/Pigment/Ink | Ceramic Material |
| Pharmaceutical/Cosmetics | Toner/Ferrite |
| Advanced Material for Environment | Animal Bone/Coating |

■ Feature Details

- The types of materials inside the milling zone are alumina, zirconia or SiC as abrasion-resistant ceramic components
- Heat free dispersion is available
- Cyclone separator for classifier
- Bag filter for acquiring finest material





The structure of milling zone



Crystal

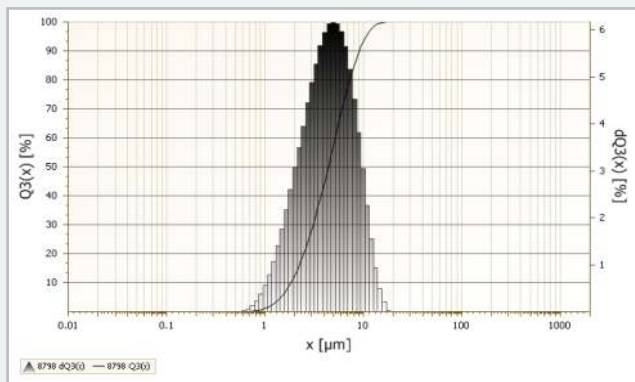


Carbon

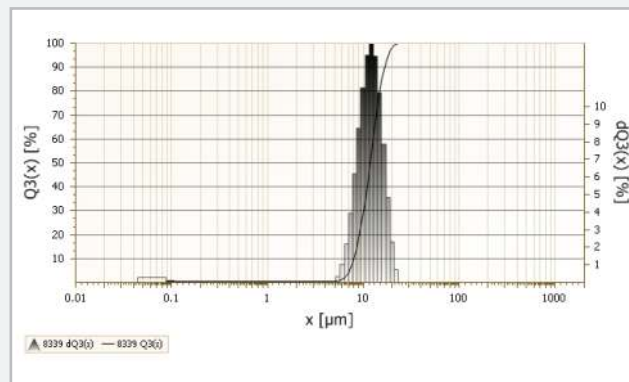


Silica

Sample Test



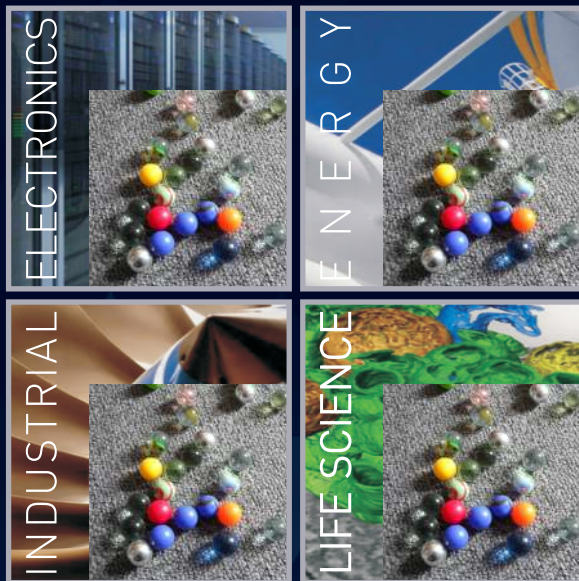
Carbon (Particle Size Distribution, d50: 5 μm)



Silica (Particle Size Distribution, d50: 11 μm)

Model List

Model	Capacity	Material	Power	Feeder	Cyclone	Compressor
JM-LA	50~200 g / Hr	Zirconia Alumina SUS PTFE	220 V, 0.4 kw	Piezo Feeder	2 Steps Cyclone Bag Filter	Above 3 HP and Above 140 L
JM-LB	150~1,000 g / Hr		220V, 0.4 kw	Screw Feeder		Above 5 HP and Above 160 L
JM-PR	About 20kg / Hr		220V, 5 kw	Screw Feeder		Above 20 HP and Above 200 L
JM-200	About 30kg / Hr		220V, 5 kw	Screw Feeder		Above 40 HP and Above 500 L
JM-300	About 50kg / Hr		220V, 5 kw	Screw Feeder		Above 70 HP and Above 1,000 L



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• Distributor