

# Colloid Mill for Particle Size Reduction

This colloid mill reduces the particle size of a solid suspended in a liquid, and can reduce the droplet size of a liquid suspended in another liquid. It utilizes a high-shear rotor-stator system, passing material through a narrow gap between a rotating rotor and a stationary stator.



## ADDITIONAL IMAGES



## Product Overview

### High-Efficiency Colloid Mill

This colloid mill is engineered for wet material super-fine crushing, emulsifying, and mixing across pharmaceutical, food, chemical, and industrial sectors. Utilizing a high-speed rotor-stator system, it achieves particle size reduction through cutting, pulverizing, and high-frequency vibration. The machine features a two-stage pulverizing process with adjustable gap settings, ensuring consistent, high-quality output with low noise and corrosion resistance.

## Key Features

### Operational Benefits

Corrosion Resistant • Low Noise • Adjustable Fineness • Steady Operation • Easy Maintenance

### Suitable Industries

Pharmaceutical, Food & Beverage, Chemical, Daily Chemical, Construction, Industrial Processing

## Technical Specifications

### Model Comparison Table

Model	Power (kW)	Capacity (t/h)	Weight (kg)
JM-50	1.5	0.01-0.3	100
JM-100	5.5	0.5-2	275
JM-150	11	0.8-5	525
JM-200	18.5	2-7	650
JM-250	37	4-15	1300
JM-300	55	6-20	1600
JM-350	75	8-30	2200
JM-450	110	10-40	3000

### Standard Performance Metrics

**4500 r/min**

Spindle Speed

**50  $\mu$ m**

Emulsification Fineness (Max)