



The CY-QLM air jet mill integrates jet classification, high-pressure grinding and shear pulverization in one ultra-fine grinding system. Nozzles set at specific angles around the chamber wall accelerate particles into a spiral motion, where high-speed inter-particle impact and shear achieve micron-level size reduction. Fine powder exits with the air stream while coarse powder returns for further milling. The process is media-free, with no temperature rise and no contamination, suited to ultra-fine grinding of dry materials of Mohs hardness below 5.

Performance Features: Variable-frequency disc-speed control fine-tunes fineness and output; closed chamber door for easy maintenance.

Key Features

- ◆ Media-free grinding, no temperature rise or contamination — ideal for heat-sensitive materials
- ◆ Product fineness D97 2–45μm, controllable and repeatable
- ◆ Thin-oil lubricated bearings with external bearing housing, long life and easy maintenance
- ◆ Optional closed-loop, inert-gas protection and cryogenic configurations

Specifications

Model	Feed Size (mm)	Product Fineness D97 (μm)	Capacity (kg/h)	Air Consumption (m ³ /min)	Air Supply Pressure (MPa)	Installed Power (kW)
QLM-03	<3	2–45	2~30	3	0.7–0.85	21.8
QLM-06	<3	2–45	30~200	6	0.7–0.85	42.5
QLM-10	<3	2–45	50~500	10	0.7–0.85	85
QLM-20	<3	5–45	100~1000	20	0.7–0.85	147
QLM-40	<3	5–45	200~2500	40	0.7–0.85	282
QLM-60	<3	5–45	500~3500	60	0.7–0.85	415
QLM-120	<3	5–45	800~7500	120	0.7–0.85	800
QLM-160	<3	5–45	1000~10000	160	0.7–0.85	1100
QLM-240	<3	5–45	1500~15000	240	0.7–0.85	1600



◆ Industries: chemical, pharmaceutical, food, battery materials, coatings and pigments, mineral fillers. An air compressor, refrigerated dryer and dust collector are required; complete package available.