Micro Powder Mill

HGM series micro powder mill is a processing equipment for fine powder and super fine powder. It's mainly used to grind non-flammable, non-explosive non-mental materials with medium and low hardness, temperature below 6%, and mohs hardness below 9 grade.

Main Features:

1.Integral-drive bevel gear: an additional reducer is needed for a traditional mill, and drive the main draft through sleeve pipe, which is difficult in installing, has loud noise and low efficiency. The MTW series European trapezium mill is integral-drive bevel gear, which is more compact in structure, convenient and prompt to install and adjust, and helpful for improving efficiency.
2.Inner thin oil lubrication system: lubrication pattern of traditional mills is grease lubrication, which has more resistance, high temperature, short life span; the MTW series European trapezium mill adopts inner oil pump, no additional oil pump or lubrication plant is needed, and lubrication can be implemented to the main draft and cone gear draft.
3.Arc air channel: mill air channel of traditional mills are of straight type. This structure has disadvantages of resistance caused by air flow impacting air channel plat, energy loss caused by mutual impact of air molecules, votex flow cause stuck of air channel. Air channel of the MTW series European trapezium mill adopts the curved surface channel, in which, air flow is able to enter smoothly with little resistance; the inner outlet is helpful for scatter of materials and can reduce material stuck.
4.Blade on the curved surface is changeable: blade of traditional mill is wearable, and blade is a wholesome one, which should be changed totally and is material wasting and will prolong stop time. Blade of the MTW series European trapezium mill is of high abrasive alloy material, long life span; which changing, only blade is necessary to be changed, which can greatly improve material utilizing ratio. Besides, with traditional flat blade, materials are piped to one layer, which is possible to damage center of roller ring of the roller, while curved blade is able to guide materials to a vertical surface and powder can be milled in up-middle-down part of the roller and mills evenly, which is able to increase working area and capacity.
5.Separated cyclone dust collector: separated structure is adopted between the inner barrel and mixed air powder, which is able to improve efficiency and accuracy of powder selection.
6.Wind inlet scroll casing: for traditional mill, inner side of the inner observing door protrudes, which is not on the same surface with the wind inlet scroll casting. Thus, there will be eddy effect, and energy consumption of the whole system will increase a lot, while those of the MTW series are on the same surface, which is able to avoid eddy effect.

Technical Parameter:

Mm to inch conversion: 25.4millimeters=1 inch

Mm to mesh conversion: 25.4mm=1in.

The humidity and hardness of raw materail will affect the fineness and capacity.

Model	HGM60	HGM80	HGM100
Roller number	15	21	27
Diameter (mm)	Φ600	Φ800	Φ1000
Ring number	2	2	2

Main unit speed(mm)	235	235	235
Max. feeding size(mm)	10	10	10
Final size (mesh)	325-2500	325-2500	325-2500
Capacity (kg/h)	350-2500	600-4000	900-6000
Overall dimension (m)	10×2×5.5	12.4×2.5×5.8	14.5×3.8×6.3

Note: Any change of Three-Rings & Medium-Speed MicroPowder Mill technical data shall not be advised additionally.