



# Grinding Machine



**V-FLO GROUP OF COMPANIES LTD.**

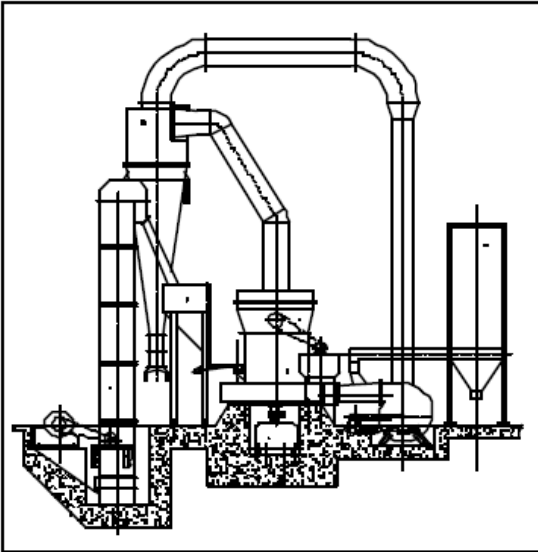
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## 1. Application:

High Pressure Medium Speed Mill is suitable for producing minerals powder, which is widely used in the fields of metallurgy, building materials, chemical, and mining industry and so on. It can be used for grinding sand, feldspar, calcite, talc, barite, fluorspar, rare earth, marble, ceramic, aluminum vanadium earth, manganese ore, iron ore, copper ore, phosphate ore, iron oxide red, slag, granulated slag, cement clinker, active carbon, dolomite, granite, garnet, iron oxide yellow, bean cake, chemical fertilizer, compound fertilizer, coal ash, soft coal, lignite, chrome oxide green, gold ore, red mud, clay, kaoline, coke, gangue, porcelain clay, kyanite, fluorte, bentonite, muddy greenstone, leaf, shale, purple sand and crushed stone, green muddy crag, basalt, gypsum, graphite, carborundum, heat resistance material and some other material that Moh's hardness is below 9.3, and humidity is in 6%, non-flammable non-explosive minerals.

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## 2. STRUCTURE OF THE HIGH PRESSURE MEDIUM SPEED MILL :



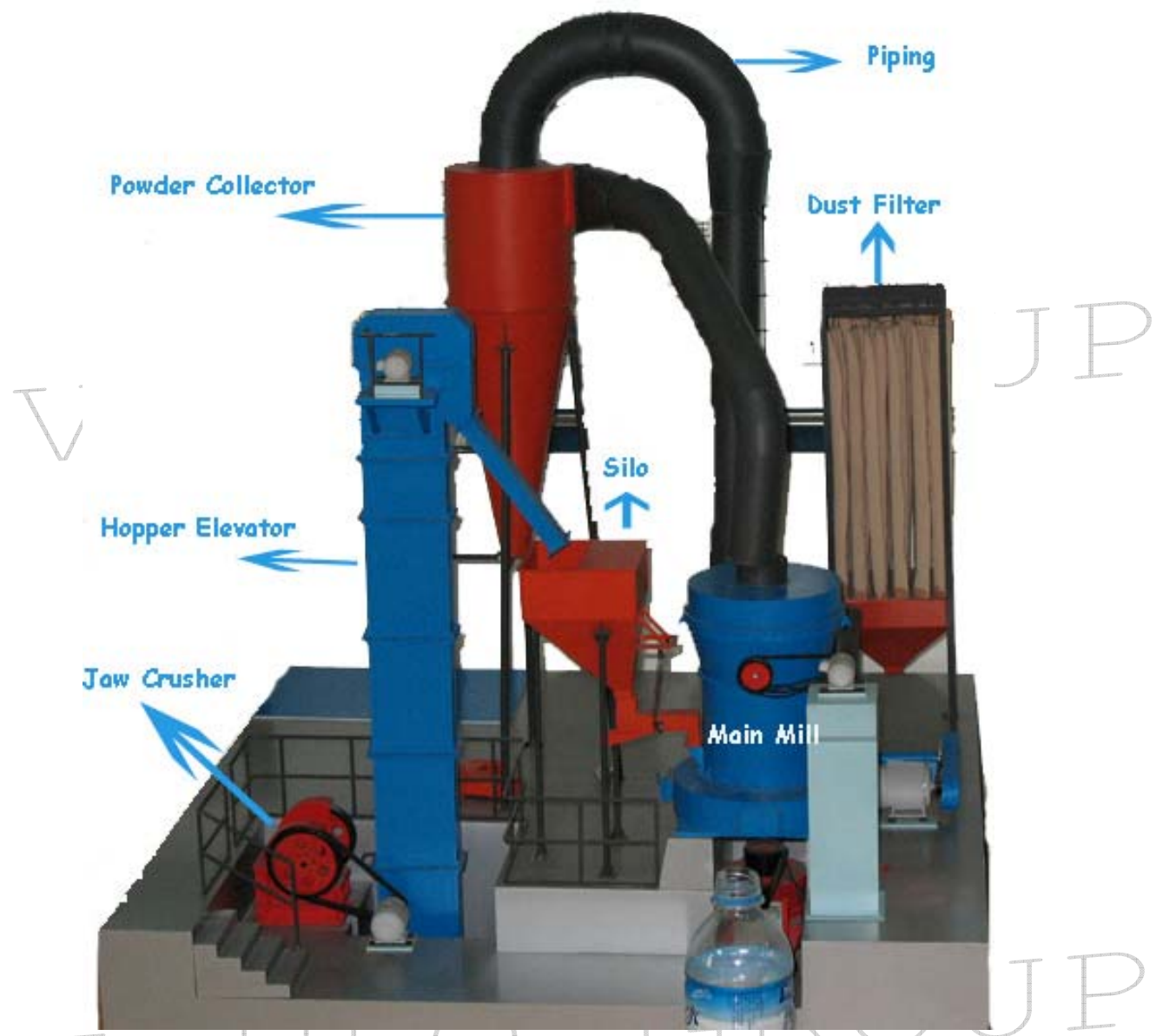
## 3. WORKING PRINCIPLE OF HIGH PRESSURE MEDIUM SPEED MILL:

The grinding Process of the Main Mill is that the transmission device brings along the Central Shaft to drive. The upper part of the shaft connects with the Quincunx Rack, on the frame is loaded with the roller assembly, and forms a swinging pivot. The central shaft does revolve around the central rotation, at the same time it revolves around the grinding rings, and it self also rotates on account of the grinding effect. The shovel system, in the lower part of rollers, is loaded on the lower part of the Quincunx Rack. In the process of rotating of the shovel and the roller, the material will be fed gasket layer between the rollers and ring. The outside centrifugal force (compression force) yielding in this process will process the material into small powder, thus the desired powder is obtained.

4. Specifications:

Model	No. of Roller	Diameter x Height Roller	Diameter x Height Of Ring	Max. Feeding Size (mm)	Discharging Size (mm)	Capacity (Ton)	Speed of Main Mill (r/m)	Main Power (kw)	Dimensions (LxWxH) (Meter)
YGM65	3	210x150	650x150	<15	0.613-0.033	0.4-1.8	160	15	4.1x3.3x4.5
YGM75	3	260x150	780x150	<15	0.613-0.033	1-3	160	18.5	4.3x3.5x5.1
YGM85	3	270x140	830x140	<20	0.613-0.033	1.2-4.6	150	22	5.3x4.1x5.2
YGM85B	3	270x150	830x150	<20	0.613-0.033	1.2-4.6	167	22	5.6x3.4x4.9
YGM95	4	310x170	950x170	<25	0.613-0.033	2.1-5.6	130	37	7.1x5.9x7.9
YGM130	5	410x210	1280x210	<30	0.613-0.033	3-9.5	103	75	7.85x8x9.7
YGM160	6	440x270	1600x270	<35	1.6-0.045	5-22	82	132	12.55x5.7x8.3
YGM190	7	460x280	1900x280	<35	1.6-0.045	8-35	66	160	16x9.4x9.3

## 4. Structure Drawing:



The Mainframe



## 5. At site:

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