

## High Pressure Suspension Mill

High Pressure Suspension mill is mainly made up of the mainframe, separator, blower, finished powder cyclone collector, bag filter and connecting pipes, etc.

According to users' need, the mill can also be equipped with accessory equipments like crusher, bucket elevators, hopper, electromagnetic vibrating feeder and switch box, etc. Inside the mainframe, the roller subassembly is suspended on the roller suspender through horizontal supporting axis, and the roller suspender fixed up with the main shaft and shovel stand. Located outside of the roller bearing house, the pressure springs make rollers push down the inside surface of ring through horizontal supporting axis. Shovels installed on the shovel stand and rollers rotate together when the motor drives main shaft through transmission device and the rollers roll oppressed the inside surface of ring and rotate at the same time. The separator impellers are driven by motor through transmission device to rotate, more higher the speed of separator impellor, more fine the powders been separated.



### Working Principle of High Pressure Suspension Mill:

When entering grinding chamber, the raw materials are shoveled up by the shovels and grinded between the rollers and ring; the materials after grinding are brought into the separator along with the air from the blower, and the qualified fine powder became final products and come into the cyclone powder collector, the other unqualified powder fall down to be re-grinded. The circular air returns back to the blower that the above process will be repeated, and the remaining air enters the bag filter in order to protect the environment.



**Characteristics:**

1. Compared with other mills, its capacity increases by 10%-20% under the same power condition, and compression force of rollers to material improve 800-1200kgf under the force of high-pressure spring.
2. Size of final product can be 0.613mm (30mesh) –0.033mm (425mesh). Some can reach the fineness of 0.013mm (1000 mesh).
3. High Pressure Suspension Mill meets the requirement of national dust-dump standard.
4. The separator can be adjusted very easily.
5. The multi-class seals are adopted to keep the grinding equipment tightly closed.



**Technical data:**

Model	Piece of roller	Size of the roller (mm)	Size of the ring (mm)	Feed size(mm)	Fineness of powder (mm)	Capacity (t/h)	Motor power (kW)	Weight (without motor)(t)
YGM65	3	Φ210×150	Φ650×150	≤15	0.033-0.613	0.4-1.8	15	3.6
YGM75	3	Φ260×150	Φ780×150	≤15	0.033-0.613	1-3	18.5	4.8
YGM85	3	Φ270×150	Φ830×150	≤20	0.033-0.613	1.2-4	22	8
YGM95	4	Φ310×170	Φ950×170	≤25	0.033-0.613	2.1-5.6	37	14
YGM130	5	Φ410×210	Φ1280×210	≤30	0.033-0.613	2.5-9.5	75	24

Notice: Any change of High Pressure Suspension Mill technical data shall not be advised additionally.

**Contact Us:**

Thank you for your interest in Liming Heavy Industry. Please feel free to use any of the methods below to get in touch with us.

Address:No.201-34, Huaxia 3rd Road, Pudong New Area, Shanghai, China.

Postcode:201200

Tel:

0086-21-33901608

Fax:

0086-21-58377628

Email:

[info@shcrusher.com](mailto:info@shcrusher.com)

MSN Online:

[shcrusher@hotmail.com](mailto:shcrusher@hotmail.com)