

SUPER FINE GRINDING MACHINE



PT. OREMCO GLOBAL MANDIRI
Food and Pharmaceutical Processing Technology Solution



Deskripsi :

Pengecilan ukuran pada bahan padat bertujuan untuk memudahkan bahan tersebut dikonsumsi, menyeragamkan ukuran partikel, mempermudah pencampuran antar partikel agar lebih homogen, mempermudah proses pengeringan, dan proses lainnya yang berkaitan dengan ukuran partikel. Super Fine Grinding Machine dirancang untuk dapat mengecilkan bahan padat menjadi ukuran partikel sangat halus hingga 500 mesh bahkan bisa mencapai ukuran 1000 mesh.

Prinsip Kerja Mesin dan Manfaat:

Mesin ini terdiri dari mesin utama, cyclone pengumpul partikel, dust collector, suction fan, dan panel kontrol. Dalam mesin utama terdapat ruang giling dengan lingkaran gigi tersusun, tempat partikel halus hasil giling terakumulasi, yang secara kontinu disedot ke cyclone pengumpul oleh suction fan. Hanya partikel yang halus saja yang tersedot ke cyclone pengumpul, sedangkan yang kasar akan terus digiling hingga halus, yang kemudian ikut tersedot ke cyclone pengumpul, sehingga dengan sistem ini partikel halus benar-benar dapat diperoleh. Ada 2 cyclone yang dapat mengumpulkan 2 ukuran partikel yang berbeda, yaitu yang halus dan yang sedikit lebih kasar. Partikel yang sangat halus sehalus debu akan dikumpulkan di dust collector, sehingga ruang produksi tidak dicemari oleh debu.

Description :

Size reduction on solid material is intended to get it be easily consumed, homogenous particle size, make it easily mixing inter particles to get it more homogen, make it easily process of drying, and other process that relate with particle size. Super fine grinding machine is designed to be able to reduce the size of solid product to be fine particle as fine as that of 500 mesh, even it can be much smaller size of 1000 mesh.

Working Principle and Benefit:

This machines is consisted of main grinding body, particle collecting cyclone, dust collector, suction fan and control panel. In main body is existed of a grinding room with a configured gear where fine particle is accumulated being continuously suctioned to flow to particle collecting cyclone by suction fan. Only fine particle is suctioned to flow to collecting cyclone, whereas that of less fine is continuously grinded until being founded enough fine, which is then suctioned following the flow of the fine particle to flow to collecting cyclone, hence by this system, the only really fine particle that can be obtained. There are 2 collecting cyclone which can collect 2 different particle size, that are of fine and less fine. The particle being as fine as dust will be collected in dust collector, hence production room is not polluted by dust.

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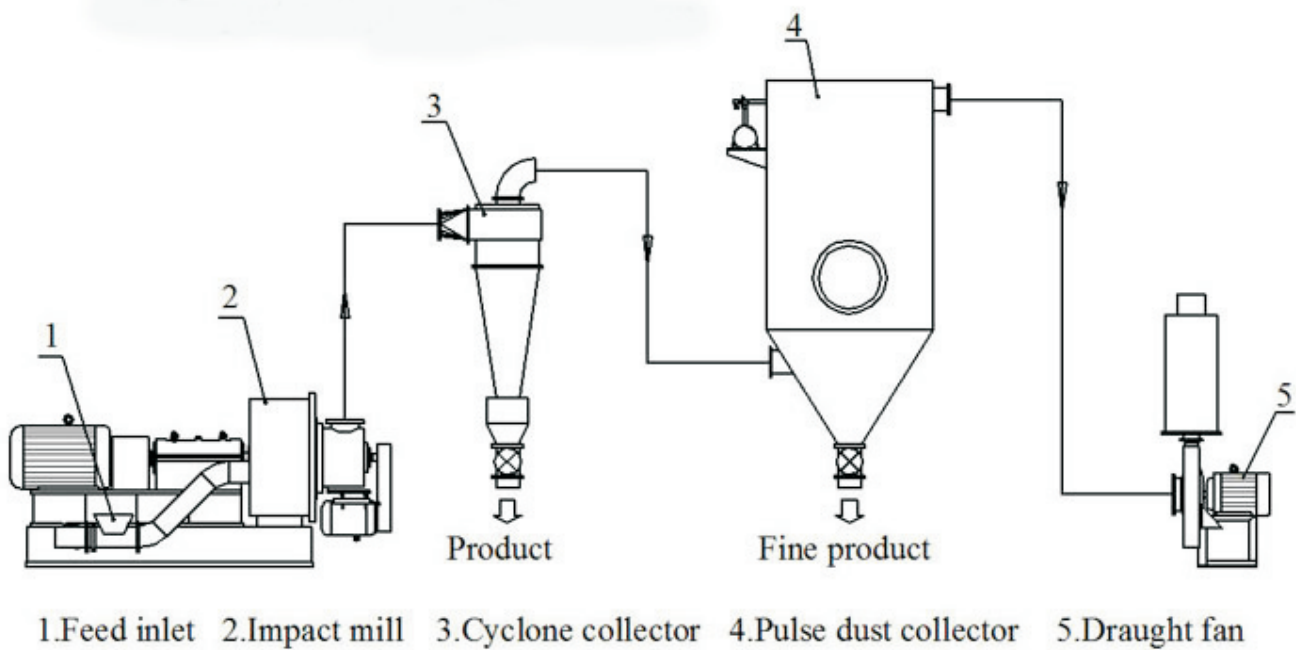
Keunggulan:

- ✍ Kapasitas mesin besar sesuai kebutuhan
- ✍ Rancangannya compact, sehingga mudah ditempatkan
- ✍ Partikel yang dihasilkan halus seragam (relatif homogen)
- ✍ Tidak mencemari ruang produksi dengan debu
- ✍ Pengeluaran partikel hasil giling bisa kontinyu

Advantage:

- ✍ Capacity of machine can be big and bigger as needed
- ✍ It's design is compact, hence easily put at place
- ✍ Particle resulted is homogeneous fine (relatively homogen)
- ✍ It does not pollute to production room with dust
- ✍ Out coming of particle resulted can be continued.

Schematic Diagram



Specifications

Specification and model	Productive capacity(kg/h)	Size of raw material to be fed (mm)	Size of raw material to be discharged (mesh)	Total power (kw)	Main revolution (r/min)	Overall dimensions (LXWXH) (mm)
OGM-15	10~200	<10	80~320	13.7	4500	5410x1660x2500
OGM-18	20~450	<12	80~450	19.07	4480	5500x1800x3100
OGM-36	60~1000	<15	80~450	38.85	4000	9000x2200x3100
OGM-60	100~1500	<18	80~450	65.2	4000	9000x2700x5280