PROCESS TECHNOLOGY EVOLUTION

Pin Mill PPM-100

PMS PIN MILL® is used for fine to very fine grinding of dry, brittle and non-abrasive materials. The size and throughput of the ground material is controlled by pin and disc configuration, sieve and rotor speed.

Theory of Operation

The feed material is introduced into the center of PMS PIN MILL® through feed chute. Size reduction takes place as the material is fed centrically between the rotor, revolving at high speed, and the stationary grinding parts. The material is progressively broken down by a process of mechanical and particle interaction. The output and fineness of the ground product when operating on a particular size of mill is dependent upon many interacting parameters including rotor speed, grinding system design, size of the feed material, and the type of product collection system employed.

The standard driving is through belts and pulleys. The bearing and seal design has been developed and renowned for its reliability and longevity.

The motor and mill assembly are mounted on a common base plate, which carries the ground product discharge chute and a rigid support frame. Whilst aerodynamic shaped body and door unit are supplied in stainless steel as standard.

The hinged door allows full access to the grinding chamber for cleaning or changing of milling heads and sieves. The grinding head is located centrically on the mill door and shaft registers, and easily locked into position by the operator.

Application:

- Pharmaceuticals: Raw material, Sugar for Syrup
- Cosmetics: Raw Material, Pigments
- Food: Sugar, Cocoa kernels, Cocoa powder, Starch, Nutmeg, Cloves, Emulsifier for baking, Mustard, Roasted nuts, Pepper
- Chemical: Industrial Chemical, Agricultural Chemicals, Pigments, Powder Metallurgy, Fine Chemicals, Fertilizers

Benefit:

- cGMP Compliance
- Cost Effective
- Versatile for wide product variety
- Compact Design
- Easy to operate, clean and maintenance

Technical Data:

		PPM-100
Capacity*	Kg/h	100-300
Driving Unit	KW	3.75
Width	mm	500
Length	mm	900
Height	mm	1,25
Weight	kg	100

***Note: Capacity depends on product, screen sieve and rotor speed.*

Standard:

- All parts made of stainless steel 304
- Driving unit at fixed speed
- Stainless steel feed chute and discharge chute
- Machine installed on mobile base
- Electrical Control box
- Two sets of stainless steel screens, ranging from mesh size# 16 to mesh size# 80

Option:

- Explosion proof motor
- Inert Gas purging
- Inverter Variable Speed Control
- Product Container
- Additional screens
- Special loading equipments or discharge feature to suite specific requirements
- Validation Document: Installation Qualification (IQ)/ Operational Qualification (OQ)