



TCS-M316-SS Powder Mill

German designed internal structure

Turbo rotor



Stainless steel SUS316
Special fan wheel design
Blade edges wear-resistant

Grinding plate Sieve ring



Stainless steel SUS316
Various aperture size
Wear resistant plates



Application

Materials of pharmaceutical grade, food grade and chemical grade

Features

- * The contact parts with the material :
Completely made from acid proof stainless steel SUS316
- * High speed running: 9000 rpm/min (60HZ)
- * High production capacity: 100~200 kg/hr (Note: This capacity is based on grinding granulated sugar)
- * High fineness: 100~300 MESH (Note: The final fineness is subject to the properties of the raw material.)

Grinding plate and sieve ring:

- * Made from stainless steel SUS316. * The grinding plates are specially designed to be wear-resistant.

Turbo rotor :

- * Made of stainless steel 316. * The edge of the blades are specially designed to be wear-resistant.
- * The special 'fan wheel' design of the rotor blades produces a very strong and high speed wind which greatly facilitates the milling process.

Great heat dissipation

- * The air circulation system combined with the return air vent within the structure cools the grinding chamber, and reduces the heat level of the materials during the milling process; thereby preventing the output-powder from deteriorating.
- * The grinding mechanism is designed with an air circulation cooling system which easily dissipates the heat.
- * The main axle is engineered with good fan cooling device to ensure the quality of the output powder.
- * The machine is sandwich structured with the water circulation cooling mechanism inside.

The feeding mechanism

- * Equipped with the fixed-quantity feeding device combing with the special design of the hopper that can effectively avoid the formation of a powder bridge which obstructs the feed flow near the feed inlet .
- * Equipped with a powerful magnetic device which removes the iron particles in the raw material.

Others

- * There is a safety door designed for emergent stop of the operation.
- * Dust-free operation, easy to disassemble. The grinding chamber can be cleaned with water.
- * The aperture size of the stainless steel sieve sheets are available in the following sizes:
0.2,0.3,0.4, 0.5, 0.6, 0.8, 1.0,1.2, 1.5, 2.0, 3.0, 4.0, 5.0,6.0 mm
- * The reliable engineering ensures the durable service and the minimum chance of malfunction.



* Optional-1 : Variable-speed drive

Adjust the rotation speed 3000 ~ 10000 (RPM/Min) (60HZ)

* Optional-2 : Six-vaned rotor

Made from stainless steel SUS316

The blade edges are designed to be wear resistant.

Suitable for pre-crushing

Six-vaned rotor



Specification

Model	TCS-M316-SS
Rotation speed	9000 rpm/min (60HZ)
Production capacity	100 ~ 200 kg/hour
Power consumption	7.5 HP , 1/4 HP
Machine dimensions (L×W×H)	930×830×1550 mm
Packing details (L×W×H)	1100×900×1900 mm
Machine Weight	250 kg

- Notes:**
- * Optional variable-speed device is available for speed adjustment: 3000~10000 rpm/min (60HZ)
 - * The final throughput is subject to the properties of the raw material and its particle size.
 - * All the specifications above are for reference only, the manufacturer reserves the right to modify the design and the specifications etc. according to the improvements needed.

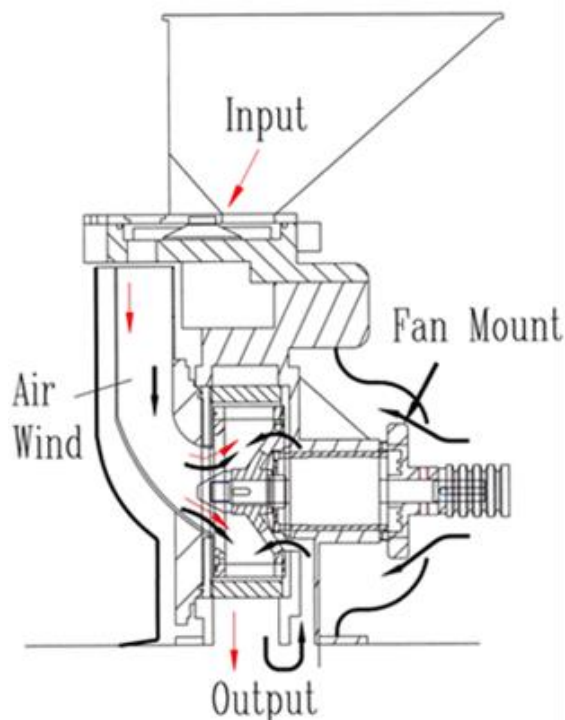


Illustration of the air circulation mechanism