

SRP-600

Quotation for Superfine Rubber Powder Grinding Line(3 Grinder Type)



Application

Designed to grind 5-40mesh (0.85-4mm) rubber crumb to 40-120mesh (0.12-0.85mm) superfine rubber powder, Series Rubber Grinding Machine is the right machine to do this job.

Structure

It consists of two parts, one part is Superfine rubber powder grinder groups used to grind rubber crumb, the other part is Centrifugal Screen used to screen out qualified superfine rubber powder, unqualified rubber crumb return to be grind again till be qualified, hereunder we instruct the both parts separately.

The Superfine Rubber Powder Grinder Group normally consists of two sets or three sets of Superfine Rubber Powder Grinders, blower, whirlwind collecting mechanism, water cooling mechanism, driving system, and electrical control system. Each Grinder consists of the frame, main motor for grinding, stepless variable speed motor for feeding material, speed reducing mechanism and a pair of grinding discs (a moving grinding disc and a static grinding disc).

The centrifugal screen mainly consists of frame, motor, Input Opening, screening mechanism, two outlets, etc, as below sketch.

Principle

Through the relative motion of two grinding discs, shearing and grinding material to achieve getting superfine powder purpose, using water cooling to control the grinding temperature effectively, ensure the output superfine rubber powder quality, feeding mechanism adopts stepless variable speed, the feeding speed can be adjusted according to different materials, so that to get the most ideal products and quality, through whirlwind collecting mechanism collect the finished superfine powder, the whole process without any dust fly.

Process Description

Feed rubber crumb to the material hopper, the feeding screw will push the material forward and through the middle hole and the channel of the fixed grinder to the gap between the fixed grinding disc and rotation grinding disc, so that be grinded by two discs relative motion, the grinded material will be

collected by whirlwind collecting machine and feed to the centrifugal screen, though the screen net rotation to form centrifugal force push qualified superfine rubber powder pass the screen holes and collected by another whirlwind collecting machine and feed to bag. The unqualified material will go out, so that to be feed to grinder to be grinded again.

Specification

Grinder Main Motor Power:	22 Kw x 3pcs
Feeding Variable Speed Motor Power:	0.75 Kw x 3pcs
Grinder Whirlwind Collecting Machine Motor Power:	5.5 Kw
Centrifugal Screen Motor Power:	7.75 Kw
Screen Whirlwind Collecting Machine Motor Power:	3 Kw
Total Power:	84.5 Kw
Dimension:	7.5 x 3.5 x 4.4 m
Weight:	7250 Kg
Capacity:	300-600 kg/hour
Grinding Disc Quantity	3 Pairs
Grinding Disc Diameter:	Ø260 mm
Grinding Disc Speed:	960 rpm