

## PE Plastic Grinding Machine Introduction

Maoyue PE mill is designed to customize the best quality plastic mill for customers, while ensuring the output, we can grind the particles down to 0.15mm. The feeding method can either be vertical feeding to prevent the material from clogging the machine, or vacuum suction to improve the feeding speed of small particles. The coarseness of the finished powder is realized by adjusting the distance between the grinding discs, and we use DC53 material with extremely high hardness. As the size of the split grinding block can be selected, the PE mill can grind many materials, including PE, PP, LDPE, HDPE, EVA, PET, NBR and so on.



## PE Plastic Grinding Machine Composition

PE, PP, EVA plastic crusher is mainly composed of motor, disc blade, feed fan, vibrating screen, dustremoval system and so on. According to the needs of customers, you can choose some accessories, such as converter, vacuum feeder, screw feeder, magnetic net, metal separator, chiller, pulse dustcollector, metering, weighing and packaging machine.

### MACHINE COMPONENTS



Grinding room



Pulse dust collector



Metal separation loader



Electric cabinet

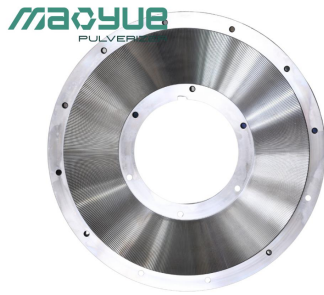


Main motor



Fan

## PE Plastic Grinding Machine Content Composition



### PE Plastic Grinding Machine Disc

Specialized ultra-high wear-resistant grinding discs, the use of extremely high hardness DC53 material, to provide good friction, can be changed according to the material size, to achieve the special material special grinding.



### PE Plastic Grinding Machine Electrical Cabinet

Adopting Siemens, ABB and other well-known brands of electrical cabinets, according to the specific needs of changing the starting mode, such as soft start, frequency conversion or star-delta.



### PE Plastic Grinding Machine Vibrating Screen

Self-research and self-production of the unique appearance of high-performance circular sieve, the use of double-deck sieve, not up to the requirements will re-enter the grinding chamber to reprocess, so as to achieve fine grinding, the error is very small, giving capacity to ensure.



### **PE Plastic Grinding Machine Motor**

Each machine is equipped with a specific motor, which can be changed to different power according to different output. It is not hot for a long time, and even in this year, the introduction of permanent magnet motor, the output is higher, and more can save electricity.



### **PE Plastic Grinding Machine Fan**

The finished powder is sucked into the vibrating screen through the fan, which is a convenient and simple way to make the material go through the screen completely and prevent the loss of the product.

## **PE Plastic Grinding Machine Features**

### **Superior material**

The grinding disk and grinding block are made of D2 material, which is extremely wear-resistant and not easy to wear out, with a low scrap rate.

### **Low cost**

No need to use liquid nitrogen in the grinding process, cost reduction.

### **Stable system operates**

Water cooling system is adopted to prevent overheating of bearings, motors and other accessories during operation; the powder making process is sealed, no dust leakage.

### **Good product effect**

The optimal powder shape of the final product and its large specific surface area ensure good mixing and adhesion of the additives, as well as relatively excellent flowability and powder consistency.

### **PE Plastic Grinding Machine Configuration**

Model	MYMF-600
Length*Width*Height (mm)	3000*3000*4000
Disc Diameter(mm)	600
Main Motor(kw)	55-75
Vibration Motor Power (kw)	1.5
Fan Power(kw)	7.5
Discharge Motor(kw)	1.5
Cooling Method	Water 、 Air
Capacity(kg/h)	300-500

### **PE Plastic Grinding Machine Application**

This PE grinding machine is suitable for grinding moderate hardness plastics, including rubber and other materials.

The service industries mainly include chemical industry, rotomolding and masterbatch factories.

The powder from grinding PE and other materials can also be used in the production of rubber and plastic composites. Plastic composites have excellent mechanical properties and abrasion resistance, and are widely used in automotive, construction, electronics and other industries. By combining PE powder with rubber, composites can be produced with excellent wear mixing, aging and impact resistance.

Powders such as PE can be used as a component of coatings to improve the abrasion and weathering resistance of the coating as well as resistance to chemical overview.

## CE Certification



## Factory Display

Plastic grinding machine industry, as a part of the plastic reprocessing field, has shown great development potential and prospects in recent years with the global environmental awareness, the progress of resource recycling technology and the diversification of industrial demand. Plastic grinding machine is mainly used to crush waste plastic, plastic granules or other plastic materials into fine powder, these powders can be reprocessed as raw materials, which are widely used in many fields such as plastic recycling, production and modification. And under such a trend, Maoyue Group responds positively and expands rapidly, and so far it has more than ten workshops to produce and manufacture PE, PVC grinding machines and their accessories. Since the foundation of our company, all the key components are produced and processed by ourselves, and we are adhering to the best service to our customers!