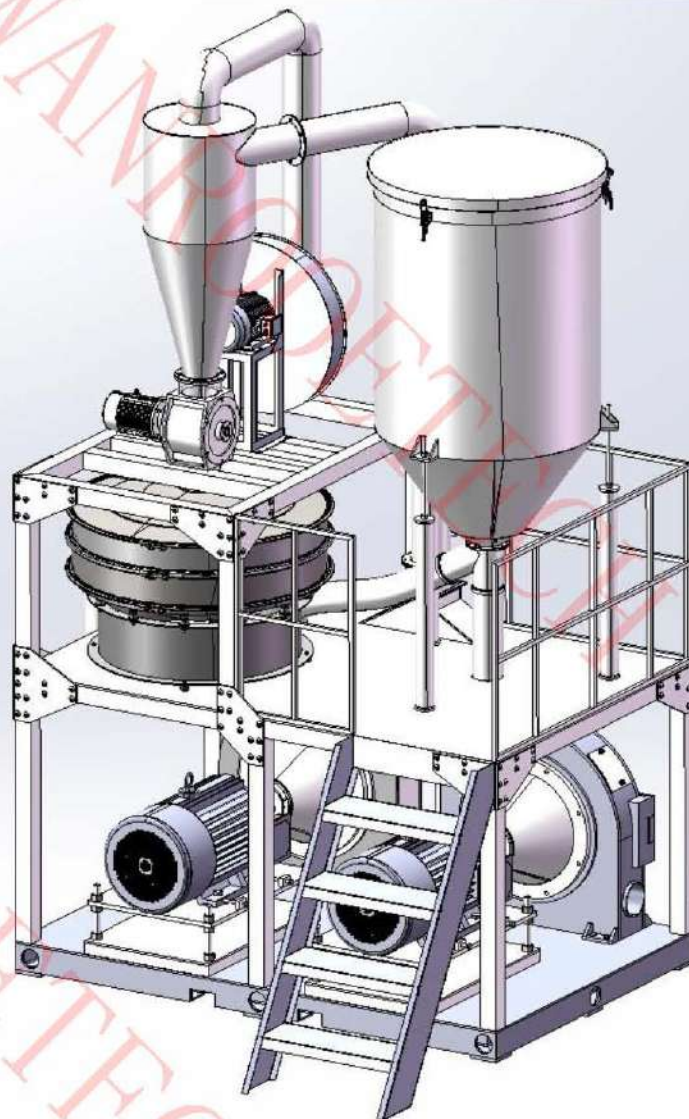




PULVERIZER MACHINE WR600 Electronic
Technical Info and Quotation





Seller: Lily ding
Phone: +8618118482393
Mail: sales02@wanrooe.com

YOUR REQUIREMENTS

Raw material: *PP (Polypropylen), TPU (thermoplastic polyurethane)*
Final product: *20-120 mesh*
Output capacity: *700-1000 kg/h*

Dear Ladies and Gentlemen,

Thank you for your inquiry and your interest in our pulverizer machine from WANROOE technology.

Our company specializes in recycling for 20 years, providing you with tailor-made solutions, including customized services. We have our own industries and technicians, designers and salespeople. WANROOE TECH can provide you with high-quality machines and good after-sales service.

Please do not hesitate to contact me for any technical and/or commercial questions regarding the quotation or for any additional information.

It will be a pleasure to implement this project with you in case our offer meets your expectations.

Sincerely,

LILY DING
Sales and Business Development

I . WANROOE'S RECOMMENDATION FOR YOUR APPLICATION

Position 1 PNMF pulverizer machine

The CE certificated

Certificate of Compliance

No. 30191031.WMS032
 Technical Construction File no. WR-CE-2019



Certificate's Holder: Wanrooe Machinery Co., Ltd.
 13F, Guotai New World Plaza, No19, East Renmin Road, Zhangjiagang, Suzhou, Jiangsu, China

Certification ECM Mark: 

Product: Pulverizer, Shredder, Recycling Line
 Model(s): (see the following annex I)

Verification to: Standard:
 EN ISO 12100:2010,
 EN 60204-1:2006+A1:2009+AC:2010

related to CE Directive(s):
 2006/42/EC (Machinery)
 2014/35/EU (Low Voltage)

Remark: The product(s) has been verified on a voluntary basis. The product(s) satisfies the requirements of the Certification Mark of ECM, in reference to the above listed Standard(s). The above Compliance Mark can be affixed on the product(s) accordingly to the ECM regulation about its release and its use. The regulation can be found at www.entecerma.it. This Certificate of Compliance can be checked for validity at www.entecerma.it

This verification doesn't imply assessment of the production of the product(s).

Additional information, clarification about the CE Marking:



We attest that a TCF for the CE Marking process is in place. Whereas the Manufacturer is Responsible to start the CE Marking Certification Procedure and to perform all the necessary activities, as required by the Directive before placing the CE Mark on the product(s).

Date of issue 31 October 2019

Expiry date 30 October 2024

Chief Manager
 Maira Morino



Deputy Manager
 Amanda Payne



Ente Certificazione Macchine Srl

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شهادة - 증명서 - Certificat - 證明書 - Сертификат - Certificate

Your benefits -----Our pulverizer machine's characteristics

- Low energy consumption, and high output.
- Simple to operate and install. Vertical compact design, take less space.
- The new disc design is with high quality, strong corrosion resistance and the life of this grinding disc is double the ordinary ones.

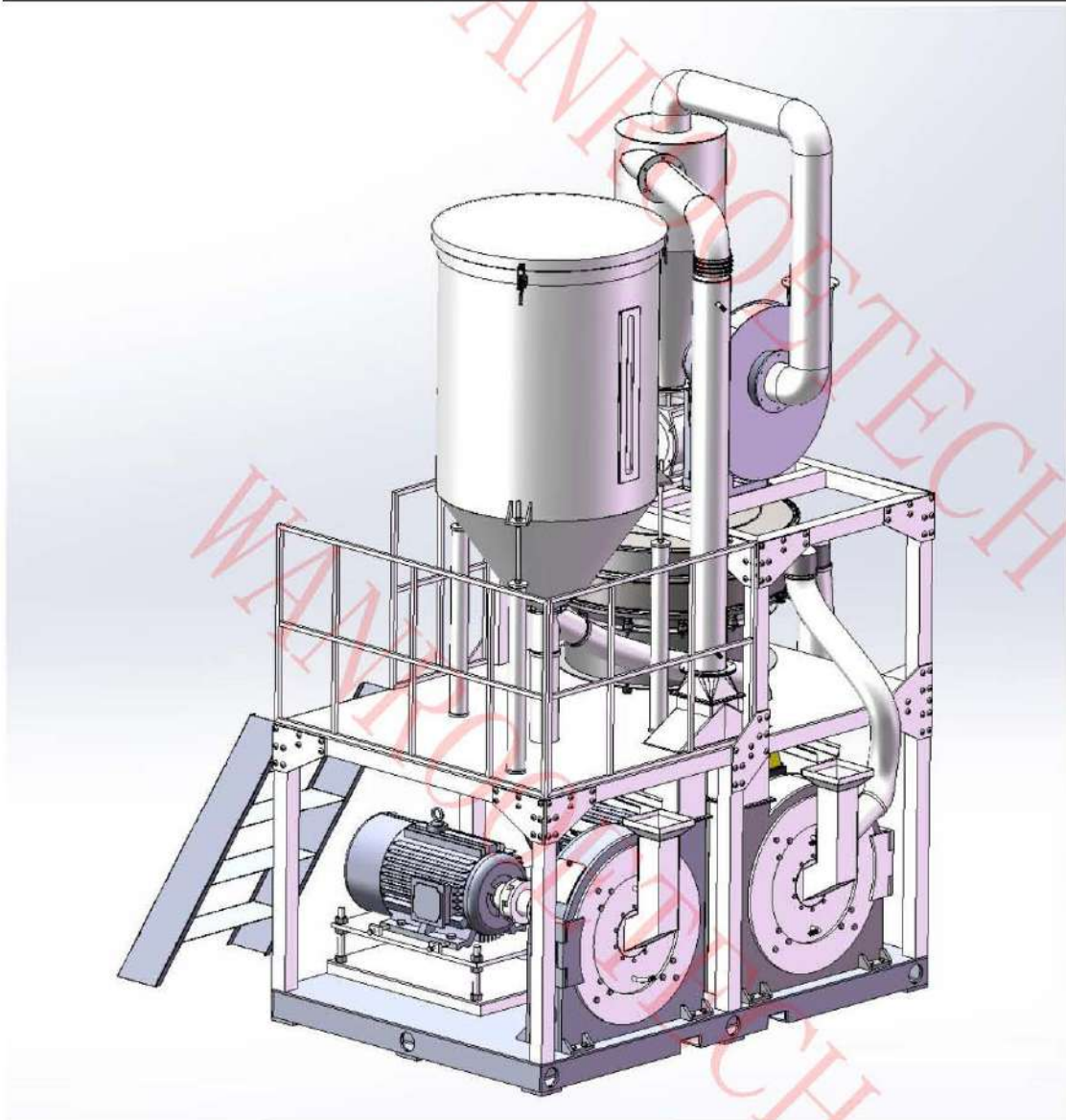


- The newly designed professional SKF bearings, is with a high rotation rate. At the same time using only one drive motor, to ensure the efficient grinding crash, which greatly saves the time of machine operation and engineering control.
- The whole milling process is sealed, without dust leakage.
- Grinding gap adjustment is simple, just use the feeler gauge and adjust bolts can be fine-tuning.



- The mill use the water and wind double cooling system.





Position 2 Technical Info:

Specification:

Material	PP, TPU
Capacity	700-1000 KG/h
	-Condition of refiner disks
	-Ambient air temperature
	-Material size
	-Material process temperature
	-Proper machine operation

Features

Mill

Milling Chambers	Type	: Two horizontally arranged „Attrition Mills“
	Material	: carbon steel
Exterior & interior mill surfaces		: ground smooth
Milling Discs	No.	: including one (2) sets, four (4) pcs
	Diameter	: Ø 600 mm
Drives	Type	: AC Motor
	Capacity	: 55 kW *2 sets with ABB Brand INVERTER
Safety		: Safeguard, limit switches
Milling chamber temperature control Adjustment, Milling Discs		: Thermocouples type “K” with display
Mill Chamber		: external
		: with SS water jacket
cooling Disc fixture		: against balanced flywheel

Hopper

Size	: 8,5 cu. ft (approx. 0.25 m ³)
Material	: carbon steel
Instruments	: low level switch

Feeders

Vibratory Feeders	: Type 26c Vari-speed (dual independent)
Controls	: manually/ automatically
Support	: swing arm type

Material Transfer System

Cyclone	: Carbon steel pivoted design
Level control	: High level proximity switch
Blower	: High efficiency 18 kW
Installation	: Vertical / horizontal discharge
Rotary Valve, Size	: 8" Ø
Material	: Carbon steel, quick clean execution
Drive	: 0,55 kW*2 sets
All System Piping	: Galvanized Smooth Wall Quick Disconnect

Classifier

: 60,5 sq. ft (approx. 5,5 m²), true balance shifter

Screening Area
No., decks
Screening size

: 10, removable
: 70 mesh/210 μ m incl.
Ball punch cleaning unit

Position 3 Details of Pulverizer machine

1. Grinding chamber



2. Auto vibrating feeder

Automatic feeding system,
vibrating feeding, uniform and
regular feeding, improving
machine efficiency and easy to
use.



3. Blade disc

The disc material are adopted alloy steel with HRC up to 63, which are wear well or durable in use.



4. Vibration sieve

Screens of different sizes filter powders of different sizes, and powders that are too coarse are automatically reground.



The machine can be adjusted the gap between the knives to adjust the size of the powder.

If you want to grind it into another size, you need to be equipped with a screen of the same size. The finer the mesh, the smaller the output will be.





5. Air blower

Sending the powder to the pipe with air cooler.



6. Permanent Magnet Synchronous Motor + DRIVER

- **Low torque ripple –**

This motor has low torque ripple so it can generate constant torque. Also its ability to maintain full torque at low speeds.

- **High efficiency –**

Permanent magnet motor full-load efficiency is higher than an AC induction motor.

It's a rotor magnet made by using a permanent magnet so this motor has high efficiency. Because its rotor hasn't any coil so heat generation is less.

- **High power density –**

The smaller size and less coil make a high power density. So it makes high speed at a low noise level. The heat transfer is also better, and the cooling system is simple.

- **Low maintenance cost-**

The Permanent magnet synchronous motor has not any brushes so it has a low maintenance cost. But it needs to high initial cost.

- **Low heat generation –**

It has only stator winding and no brushes so its heat generation is low compared with

brush motor.

- **Small size –**

It may offer a smaller size for more compact mechanical packages. So permanent magnet motor highly useful for industrial tasks.

7. Water cooling system

Water temperature sensor and water cooling system of grinding pulverizer machine.

For cooling the plastic powder to keep the nice quality.

Pulverizer machine's main bearing house and also the grinding chamber is cooled by water.



8. Auto temperature controller

Spray machine, automatic water spray device, when the temperature of the rotating blades of the machine is too high, it can automatically spray water to the rotating blades, and these devices are controlled by Japan's OMRON temperature controller.



9. SHINI vacuum loading—optional 2000USD per set

High quality of the vacuum loading, easily transfer the material pellets or powder into the pulverizer machine, no need to use manual to add the material.





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IV The sold machines



