

► Product Description

The GMEC series disc mill grinding machine (also known as corn grinding mill machine, maize grinding mill, and small grinding mill machine) is a versatile and high-efficiency grain processing equipment, designed for both household and small farm use. With models ranging from GMEC-160 to GMEC-700, this industrial grinding mill offers scalable solutions for different production needs, excelling at pulverizing grains, spices, and feed materials into fine powders or coarse granules. It is also available as a diesel maize grinding mill for flexible operation in areas without stable electricity supply.



Claw Mill





GMEC-160



GMEC-280



GMEC-300



GMEC-320



GMEC-360



GMEC-450



GMEC-600



GMEC-700

► Product Technical Information

Model	Power(kw) and size(mm)	Capacity	Weight
GMEC-160	2kw /220v,50hz 565*305*610mm MOQ:3 sets	50-200kg/h 0.2cbm	38 kg
GMEC-280	3kw /220v,50hz 680*360*920mm MOQ:3 sets	100-500kg\h 0.3cbm	65kg
GMEC-300	4kw /380v,50hz Size:790*360*920mm MOQ:3 sets	300-800 kg/h 0.35cbm	80 kg
GMEC-320	7.5kw /380v,50hz Size:700*500*1080mm MOQ:1 set	500-1200kg\h 0.4cbm	158kg
GMEC-360	11kw /380v,50hz 1050*750*1150mm MOQ:1 set	800-2000 kg/h 1cbm	227 kg
GMEC-450	15-18.5kw /380V,50hz 1080*880*1325mm MOQ:1 set	1000-3000 kg/h 1.3cbm	350 kg
GMEC-600	22-30kw /380v,50hz 1150*960*2200mm MOQ:1 set	2000-5000 kg/h 2.5cbm	490 kg
GMEC-700	37+7.5kw /380v,50hz 1240*960*3800mm MOQ:1 set	3000-8000 kg/h 5cbm	650 kg

► Raw Materials



Corn



Rice



Wheat



Sorghum



Soybeans



Mung Beans



Chili peppers



Seasonings



Herbal medicines



► Finished Product



Corn flour



Rice flour



Wheat flour



Sorghum flour



Soybean flour



Mung bean flour



Chili powder



Seasoning powder



Herbal powder



► Product Application

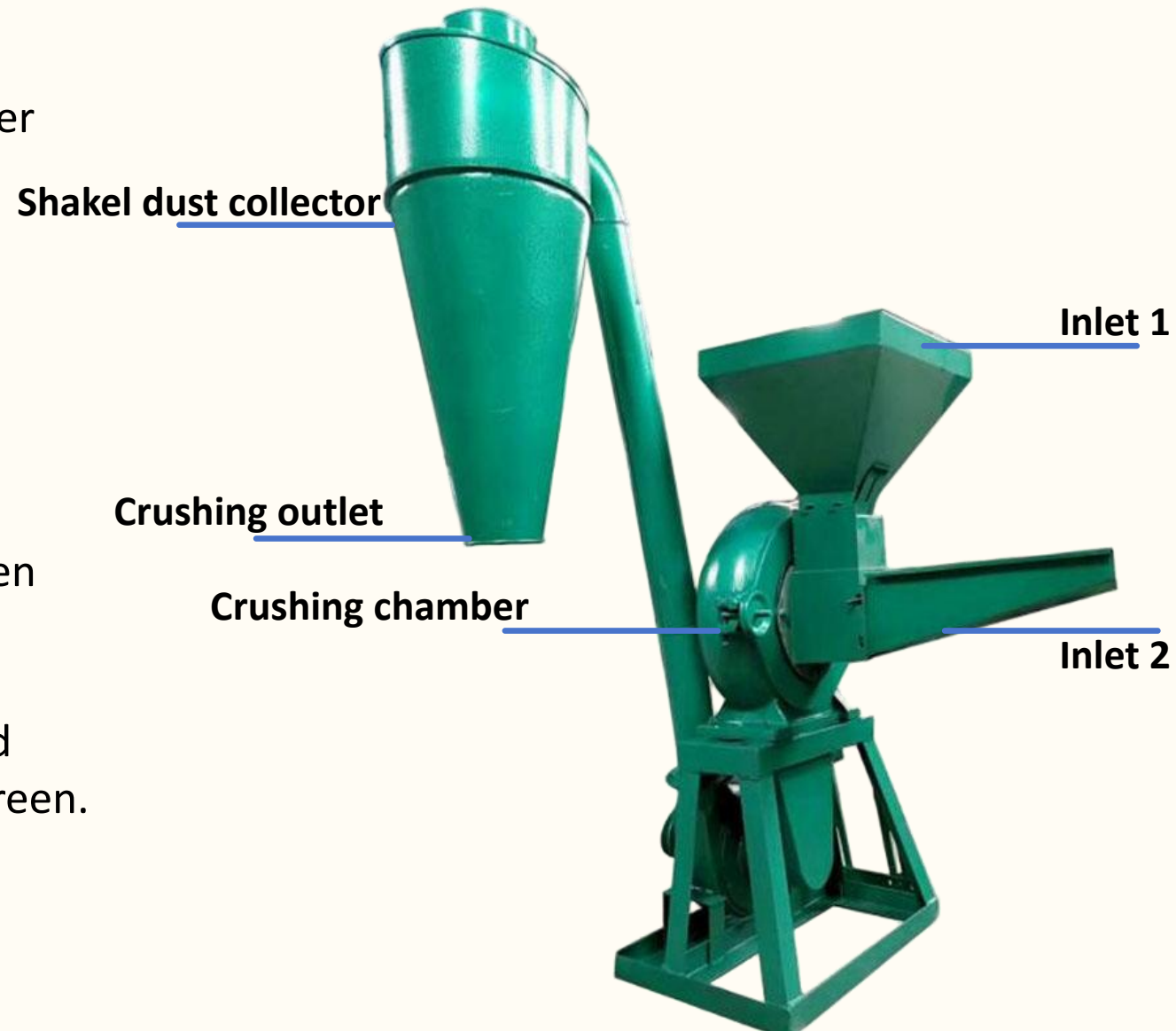
- Food Processing:** For producing corn meal, wheat flour, spice powders, and herbal extracts
- Animal Feed Production:** Grinding grains and shells into feed materials for poultry and livestock
- Agricultural Farms:** Small-scale grain processing on family farms and rural areas
- Home Use:** Compact and easy-to-operate portable corn grinding mill machine for personal use
- Spice & Herb Industry:** Fine grinding of various spices and medicinal herbs



► Working Principle

The maize grinding mill machinery consists of main components: cover, rotor assembly, screen, feeding device, and toothed rack. The body and rotor together form the grinding chamber, where the pulverization process takes place.

1. Materials enter the grinding chamber through the feeding device.
2. Inside the chamber, materials are continuously impacted by round teeth and flat teeth, rapidly broken into fine particles.
3. Under the combined action of centrifugal force and airflow, the pulverized materials pass through the screen.
4. Finished products are discharged from the outlet, while larger particles remain inside the chamber for further grinding until they meet the required size.



► Product Features & Advantages

1.Reasonable & Durable Structure

The disc mill grinding machine features a compact and robust design, ensuring long-term service life and stable operation.

2.Easy Operation & Maintenance

Simple controls and user-friendly design make this small grinding mill machine suitable for operators of all skill levels, with easy access for cleaning and screen replacement.

3.Low Energy Consumption

Optimized mechanical structure reduces power consumption, making it an economical choice for small-scale production.

4.Adjustable Fineness

By replacing screens of different mesh sizes, users can obtain products with varying degrees of fineness to meet different processing requirements.

5.Versatile Compatibility

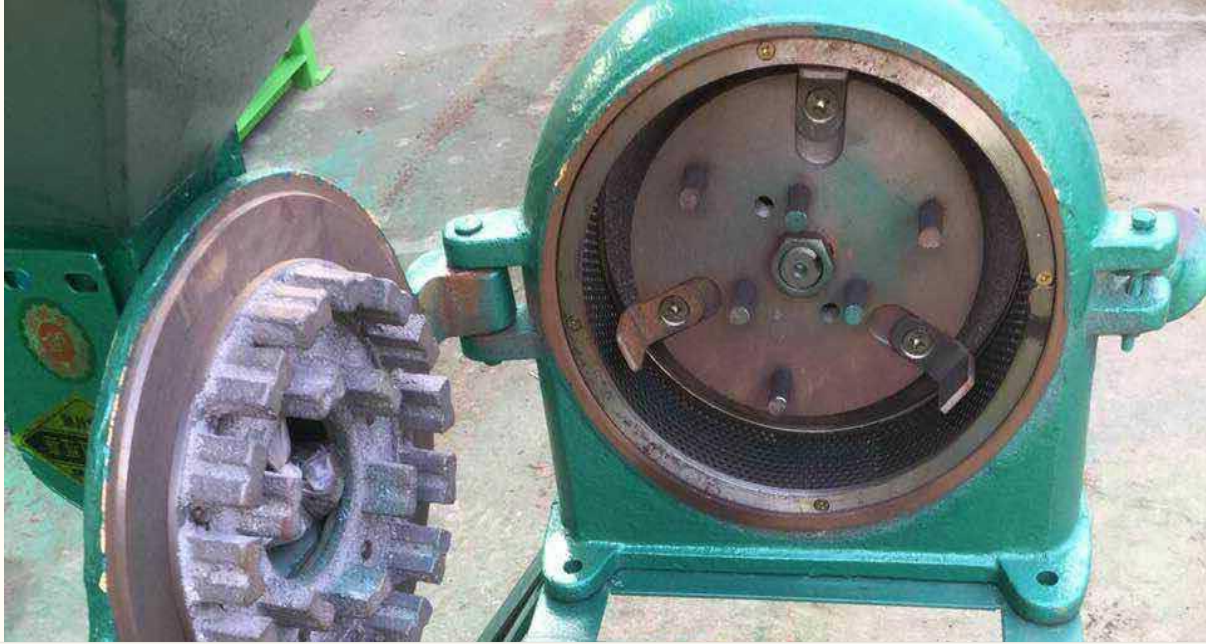
This grinding machine grain milling equipment handles both dry and semi-dry materials, supporting multi-purpose use in different industries.

6.Flexible Power Options

Electric models are standard, while diesel maize grinding mill versions are available for areas with limited power access.

► Product Features & Advantages

01



The claw mill's core crushing assembly includes a toothed rotor, stationary gear ring and screen. It works by high-speed impact and shearing, turning grains and other materials into uniform fine powder with adjustable fineness.

02

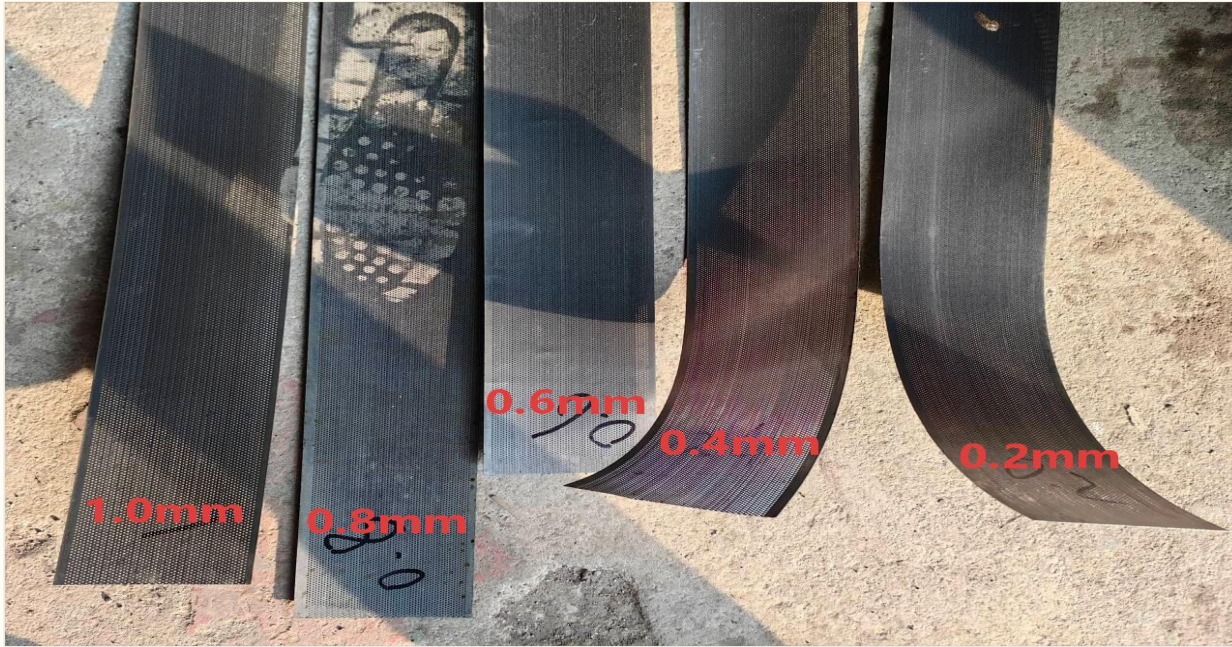
This claw-type rice mill can be equipped with a self-priming feeding device. It utilizes the negative pressure generated during operation to automatically draw grains such as corn and wheat into the crushing chamber through a transparent hose, eliminating the need for manual feeding. This design saves labor, reduces dust, and prevents feed blockages, thus ensuring stable and efficient operation.



► Product Features & Advantages

03

The claw mill comes with interchangeable screens in different sizes: 0.2mm, 0.4mm, 0.6mm, 0.8mm and 1.0mm. By simply changing the screen, you can adjust the powder fineness easily, from coarse granules to fine powder, to suit various processing requirements.

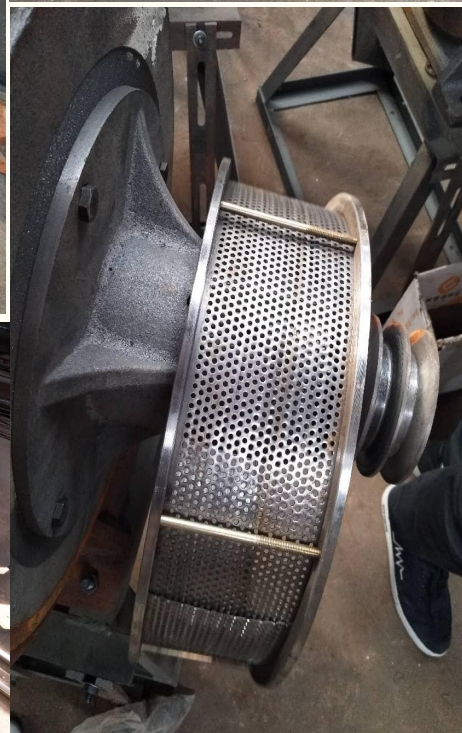
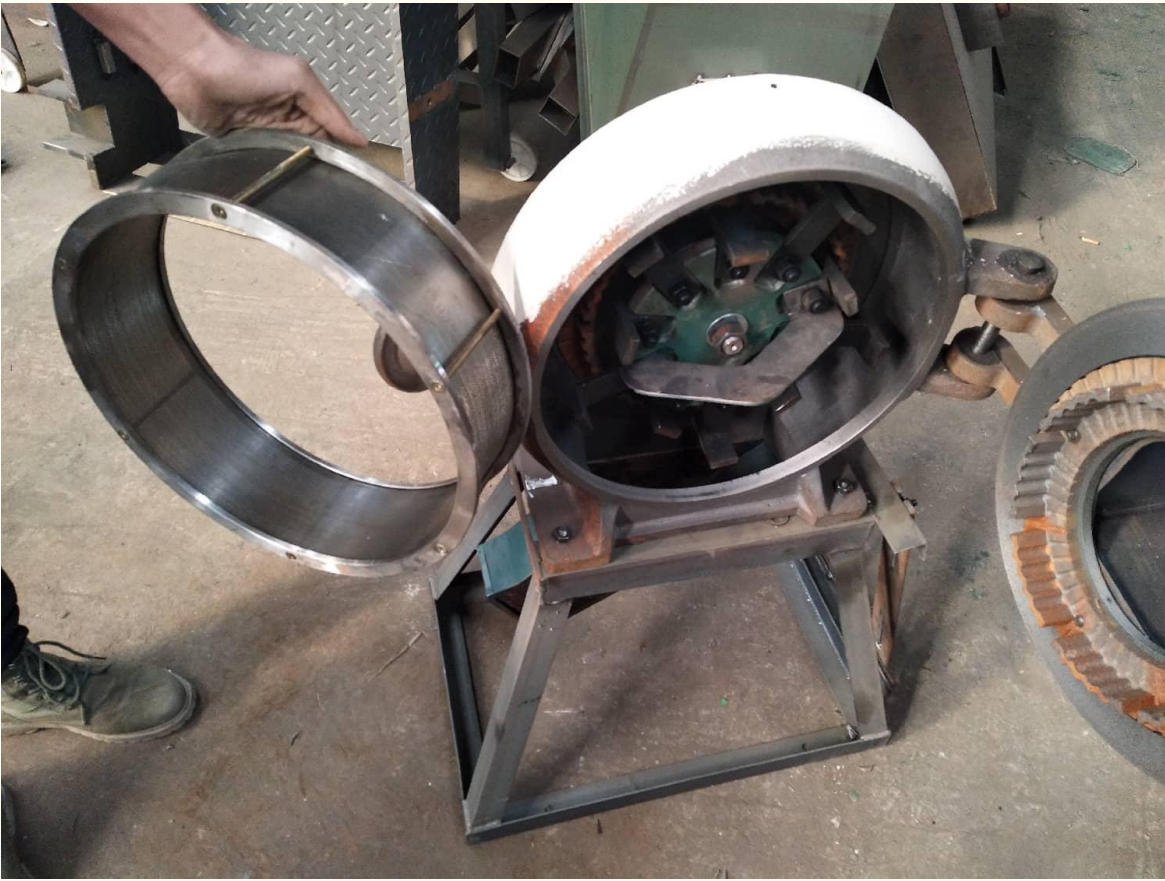


04

Our claw grinders are available in two power versions: electric for areas with stable power supply, and diesel-powered for field use or locations without electricity. The diesel model works independently without mains power, offering greater flexibility for off-grid operations.

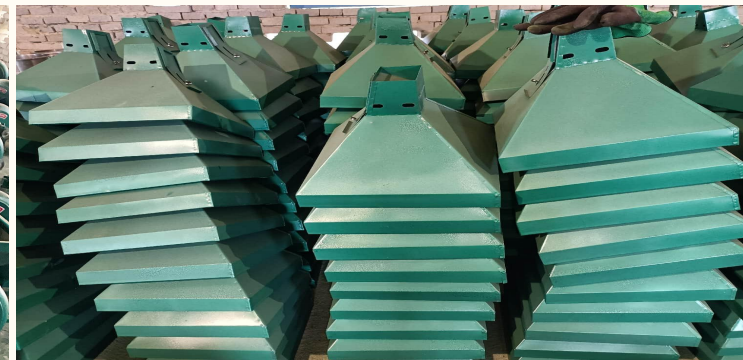


► Product Details



► Customer feedback

These are real customer feedback and export cases of our claw grinders, including a 600-unit order shipped to Côte d'Ivoire. Our machines are widely trusted in African markets, recognized for their stable performance, high efficiency and easy maintenance.



600 corn claw crushers
shipped to Côte d'Ivoire

Real Feedback

► Product Packaging & Shipping

