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# TENCAN

## Product Brochure



**BROKEN SERIES**

# Stainless steel dust-free crusher

**MF20-30-40B**

Stainless steel dust-free crusher integrates crushing and dust collection for a clean, powder-free workspace. Ideal for food, chemical, and pharmaceutical materials. Maximizes yield with minimal waste.

<https://www.planetaryballmills.com/products/broken-series/stainless-steel-dust-free-crusher.html>



## Product Overview

Stainless steel dust-free crusher integrates crushing and dust collection for a clean, powder-free workspace. Ideal for food, chemical, and pharmaceutical materials. Maximizes yield with minimal waste.



### Stainless Steel Dust-Free Pulverizer

20B/30B/40B

Grinding and Dust  
Collection in One

Excellent Grinding  
Performance

High Material Utilization  
Corrosion- and  
Wear-Resistant





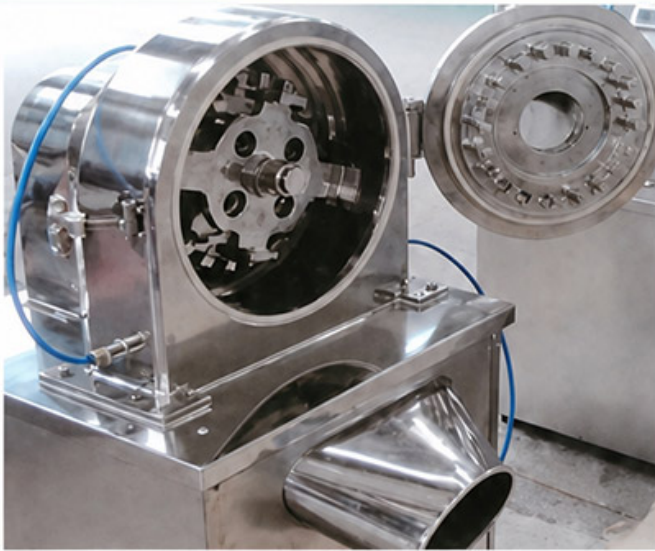
## Product Introduction

The relative motion between the movable toothed disc and the fixed toothed disc is used to crush the materials through the impact and friction of the toothed discs and the impact of the materials with each other. The crushed materials automatically enter the collection bag through the action of the rotating centrifuge, and the dust is filtered and recovered by the bag filter in the dust collection box. The machine is designed according to "GMP" standards and is entirely made of stainless steel. There is no dust flying during the production process. And it can improve the utilization rate of materials and reduce business costs. This crusher has been widely used in pharmaceutical, chemical, food, plastic and other industries. It is an ideal equipment for crushing medium-fine materials.

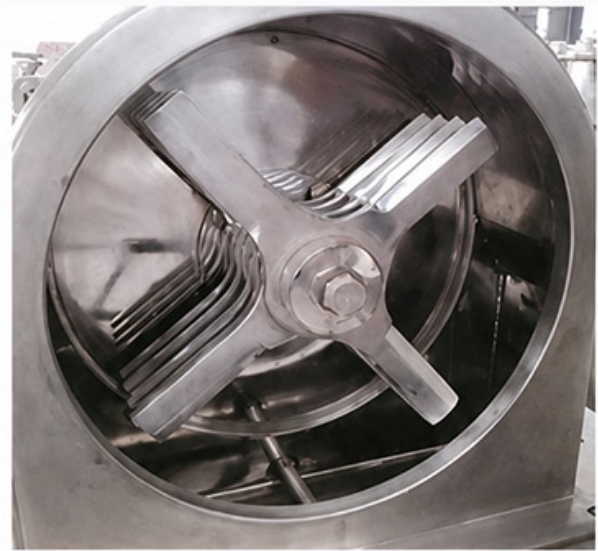
## Crushing Series

# Product Details

Supports customized crushing methods, including hammer type, rotary blade type, turbo type, swing blade type, swing hammer type, disc mill type, and air-cooling type.



**Hammer Type**



**Rotary Blade Type**



**Turbo Type**



**Swing Blade Type**



**Swing Hammer Type**



**Disc Mill Type**



**Air-cooling Type**

Stainless steel dust-free crusher is mainly used for weak electric substances and high temperature resistant substances such as chemicals, medicine, food, spices, resins, powders, and coating powders.

## Technical parameters

model	MF-20B	MF-30B	MF-40B
Capacity	20-150kg/h	30-300kg/h	40-500kg/h
Feed particle size	<6mm	<10mm	<12mm
Crushing particle size	60-120 mesh	60-120 mesh	60-120 mesh
Voltage/Power	380V / 4KW+0.75KW	380V / 5.5KW+1.5KW	380V / 7.5KW+1.5KW
Overall dimensions	1100Lx600Wx1650H	1300Lx700Wx1850H	1305Lx700Wx1920H
net weight	350kg	420kg	580kg

Supports customization of multiple crushing methods, including hammer type, rotary knife type, turbine type, blade type, hammer type, grinding disc type, and air-cooled type.

## Product Features

1. The crushing and dust collection are integrated, the working environment is clean, there is no flying dust, and the material utilization rate is high.
2. The bearing seat is separated from the crusher cavity, which facilitates cleaning and installation, ensuring that materials are not polluted and meets the requirements of "GMP" specifications.
3. The adjustable gate valve is designed to change the feeding speed, reduce operating intensity, and ensure uniform feeding to avoid excessive load on the host machine.
4. The pulverizer gear disc, shaft, cavity, hopper and other parts are all made of high-quality stainless steel, which has the advantages of corrosion resistance and wear resistance.
5. Designed with an open casing, it is convenient to clean the machine cavity, change the screen, and facilitate maintenance.
6. The grinder is mainly used for medium-fine grinding of dry powder in pharmaceutical, chemical, food and other industries.
7. Rinse the crushing chamber and feed hopper or flush with solvent.
8. The screen used in the crusher is punched out of high-quality stainless steel plates, well-made, and has good hardness and elasticity.
9. The crusher complies with the YY0228-1995 pharmaceutical machinery industry standard.

## **Accessories & Customization**

### **Accessories**

Grinding jars, heating elements, sample holders, control modules and other matching accessories can be selected according to the product configuration.

### **Customization**

For voltage, capacity, chamber size, process temperature or application requirements, please contact TENCAN for a suitable configuration.