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# TENCAN

## Product Brochure



**BROKEN SERIES**

## paddle mill

Stainless steel paddle mill for feed, biomass, and grain processing. Symmetrical wear-resistant hammers, compatible with various feeders, adjustable screen for precise particle size.

<https://www.planetaryballmills.com/products/broken-series/paddle-mill.html>

# TENCAN



## Product Overview

Stainless steel paddle mill for feed, biomass, and grain processing. Symmetrical wear-resistant hammers, compatible with various feeders, adjustable screen for precise particle size.





## Product Introduction

The casing of the hammer crusher is welded with stainless steel. The feed port is at the upper part of the crusher. It can be matched with various forms of feeding structures. The hammer blades are symmetrically arranged. The hammer crusher adopts motor or transmission, optional magnetic separation device, optional automatic uniform feeding mechanism, the feed amount can be automatically controlled, the main component rotor can rotate in both forward and reverse directions, the hammer after special heat treatment has good quality, long life and high crushing rate. The operation door is equipped with a self-locking device, which is convenient, flexible, safe and reliable. The overall design of the stainless steel hammer mill is advanced and reasonable, with compact structure, beautiful appearance, low power consumption, and easy operation and maintenance.

The stainless steel hammer mill uses the rapid relative movement between the movable toothed disc and the fixed toothed disc to crush the materials to be crushed through the comprehensive effects of tooth impact, friction and the impact of materials on each other. This machine has a simple and sturdy structure, stable operation and good crushing effect. The crushed materials can be directly discharged from the grinding chamber of the main machine. The particle size can be obtained by replacing mesh screens with different apertures. In addition, the machine is made of all stainless steel. The inner wall of the casing is machined to achieve a smooth surface, so that the production of pharmaceuticals, food, chemicals, etc. can meet standards.

### Crushing Series

# Product Principle

The stainless steel hammer mill uses the rapid relative motion between the moving and fixed toothed discs, so the material is crushed by tooth impact, friction, and impact between particles. This machine features a simple and robust structure, stable operation, and good crushing performance. The crushed material can be discharged directly from the grinding chamber, and different particle sizes can be obtained by replacing screens with different apertures. In addition, the whole machine is made of stainless steel. The inner wall of the casing is precision-machined to a smooth surface, meeting production standards for pharmaceutical, food, and chemical industries.

## Low Power Consumption

Compact structure, attractive appearance

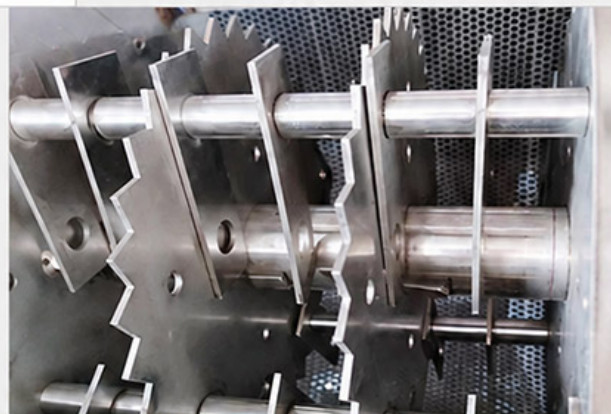


## The operating door is equipped with a self-locking device

Convenient, flexible, safe and reliable

## Stainless Steel Hammer Blades

High quality, long service life, and high crushing efficiency



1. The food industry can crush spices and seasonings: salt, sugar, star anise, cinnamon, pepper, red pepper, ginger, turmeric, garlic, pepper, mustard, cardamom, kaempferol, shrimp powder, pork ribs powder, beef powder, chicken powder, squid powder, steak powder.....

2. The food industry can produce nutritional powder from whole grains: soybeans, mung beans, red beans, corn, black beans, black tartary buckwheat, red dates, peanuts, sesame, walnuts, coffee beans, cocoa beans, chocolate beans, sweet potatoes, yams, oats, and barley.....

## Technical parameters

model	Power kw	hammer	Speed r/min	Machine weight kg	Feeding port mm	Production kg/h
360	5.5	16	4000	60	200*180	200-400

## Working Principle

The stainless steel hammer mill uses the rapid relative movement between the movable toothed disc and the fixed toothed disc to crush the materials to be crushed through the comprehensive effects of tooth impact, friction and the impact of materials on each other. This machine has a simple and sturdy structure, stable operation and good crushing effect. The crushed materials can be directly discharged from the grinding chamber of the main machine. The particle size can be obtained by replacing mesh screens with different apertures. In addition, the machine is made of all stainless steel. The inner wall of the casing is machined to achieve a smooth surface, so that the production of pharmaceuticals, food, chemicals, etc. can meet standards.

## 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.