

# overviewOperation Instruction of FW80 high-speed universal mill



This crusher is used in industry, agriculture, factories, mines, medical and health, coal geology and other units, can be all kinds of plants, soil, sand (1.5 m/m) , minerals and all kinds of grain for crushing. The machine has the characteristics of small volume, light weight, compact structure, high efficiency and so on.

Main technical performance

Model	FW80
Voltage (V)	220VAC/50Hz
Motor Power (W)	200
Main engine speed (r/min)	10000
Studio diameter (mm)	80
Continuous use time (min)	3 minutes or less
Blade material	Stainless (2RL3)
Dimensions (mm)	175 × Φ85

Method of use

Put the crushed sample into the crushing chamber, cover the plexiglass, turn on the power, and crush the sample. After crushing, turn the machine upside down, rotate for 2-3 seconds, then the sample will stay in the upper cover. Open the cover and take out the sample. Turn off the power before sampling to prevent the sample from being blown out.

Points to note

A crushing sample shall not exceed 50g, please do not put in excess, in order to avoid excessive load damage to the motor.

Continuous working time should be controlled within 3 minutes, 2 minutes interval, in the continued use.

Make sure it is grounded.

# FW100,200,200A, 400A

## Operation Instruction of high-speed Universal Mill

### Overview

The series of crushers are used in chemical, agricultural, medical and health, coal geological and other units. Can Be a variety of drugs, plants, soil, sand (1.5 m/m) , minerals and all kinds of grain crushing. The machine has the characteristics of small size, light weight, compact structure, high efficiency and so on.

### Main technical performance

Model	FW80	FW200	FW200A	FW400A
Voltage (V)	220VAC/50Hz			
Power (W)	800			1000
Main engine speed (r/min)	26000			
Crushing capacity (g)	100	200		400
Remarks	Stan ding		Inclin ed pose	

### Method of use

Screw the top cover into the crushed material, and then screw the top cover, power on, open the switch, so that the motor rotation. General crushing within a minute, will be crushed crushed into powder, turn off the power, until the motor completely stopped, screw open the top cover, crushed materials everywhere. If the fineness of the crushed material is not enough, can be extended or crushed again.

### Points to note

The input of crushed materials shall not exceed one-half of the capacity of the crushing chamber.

Just start, if encountered crushing stuck blade, so that the motor can not run, (at this time the motor issued a humming bass sound) to immediately turn off the power supply to prevent burning the motor. After the exclusion, can be restarted.

General material crushing time is not more than 1 minute, skills to achieve crushing effect, crushing time should not be too long, to prevent the powder heating stick in the crushing room.

This machine can not work for a long time, each boot time shall not exceed five minutes, the number of processing time, the middle must be suspended to prevent overheating bearings burned motor.

The crushed material must be dried, the wet material must be dried, and the oily material must be mixed with other silty material.

Make sure it is grounded.

# FZ102 miniature plant sample grinder

## Instructions

### Overview

This series of grinders is used in industry, agriculture, science, medicine and so on. Can be a variety of plants, and animal skins, hair, meat, for the determination of three wheat, rice, beans and grain crops moisture, protein, oil samples crushed. The machine uses the cutting surface formed by the rotation of the rotating knife and the fixed knife to crush. The machine has the characteristics of small volume, light weight, compact structure, high efficiency and so on.

### Main technical performance

Mode 1	FZ102
Voltage (V)	220VAC/50Hz
Motor Power (W)	180
Main engine speed (r/min)	1400
Mesh aperture (mm)	0.5, 1.0, 1.5
Internal diameter of comminution chamber (mm)	102

### Method of use

Instead of 50g of representative sample, put it into the hopper and cover it. Switch on the power, make the machine run normally, open the hopper plug plate to make the material slowly fall into the crushing room, and then close the hopper cover, the sample after crushing through the screen into the container for testing.

### Points to note

Don't put metal or stones into the machine to prevent damage.

The capacity of the container is 50g, please don't put in too much at one time. If you find that the motor has overload sound, you should reduce the feeding amount. After the machine returns to normal, you should gradually increase the feeding amount.

After use, the crushing chamber must be cleaned to prevent rusting.

Make sure it is grounded.

### Crushing data for some food crops

Product name	Moisture (%)	Fineness ( $\phi$ 1.5 under sieve)
Japonica	< 15	
Indica rice	< 13.5	

Wheat	< 13.5	More than 95%
Wheat	< 13.5	
Barley	< 13.5	
Corn	< 15	
Soy	< 14	
Broad beans	< 14.5	
Rice	< 15.5	

# FT-100 miniature soil crusher

## Instructions

The grinder is used for agricultural scientific research, geological exploration, highway construction and other units, can crush all kinds of soil for laboratory analysis only. The machine has the characteristics of small size, light weight, compact structure, high efficiency and so on.

### Structural features

The machine consists of a motor, a frame and a crushing machine. The crushing structure is composed of a plurality of high-speed rotating square hammer pieces, tooth plates and tooth discs to form a cutting surface, and the purpose of crushing is achieved by high-speed rotation.

### Main technical performance

Model	FT-100
Voltage (V)	220VAC/50Hz
Motor Power (W)	180
Main engine speed (r/min)	1400
Internal diameter of comminution chamber (mm)	102
Diameter of screen hole (mm)	0.5, 1.0, 1.5

### Points to note

Don't put metal or stones into the machine to prevent damage.

The capacity of the bearing box is 50g, please don't put in too much, if you find the motor has the sound of Overload, you should reduce the input, wait for the machine sound to return to normal, gradually increase the input.

After use, the crushing chamber must be cleaned to prevent rusting.

Make sure it is grounded.

### Method of use

Take 50g of sample, put it in the hopper, cover the hopper cover, turn on the power, make the machine run normally, pull the hopper plate, make the material fall into the crushing chamber, after crushing through the screen into the bearing box.