

ISO9001 quality system certification enterprise

**ZDS1000 Vibrating Screen**

**User's Manual**

Respect user: Please read this manual carefully before installing and use.

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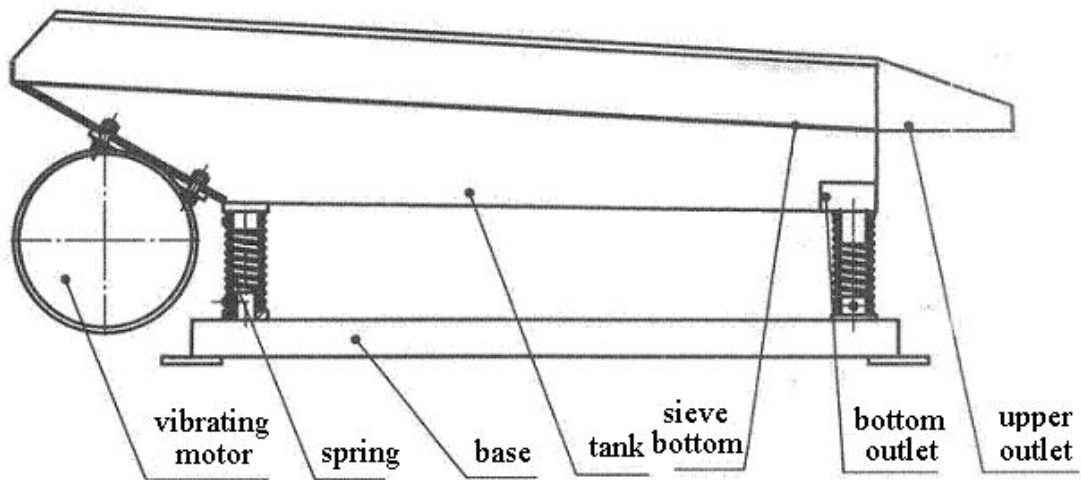
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## 1. Introduction

ZDS1000 vibrating screen is suitable for evaporated vegetable, frozen vegetable processing plants and food pickle industry to screen, dehydrate and convey. It can be used with cuber, vegetable cutter and elevating conveyer. This machinery is advanced in designing, easy to operate, lower energy consumption, efficient, and all parts adopt stainless steel, beautiful shape and excellent resistance to corrosion, which conforms to food hygienic standard.

## 2. Structure Features and Working Principle

### 2.1 Structure Features (Seen in schematic diagram of vibrating screen)



Schematic of ZDS1000 vibrating screen

2.1.1 This machine mainly consists of vibrating motor, spring, base, tank, sieve bottom, discharge hole, etc.

2.1.2 The base, tank, sieve bottom of this machine adopt stainless steel, which can guarantee stainless, non-toxic and harmless in long-term working.

2.1.3 Working principle: under the force of vibrating motor, by compressing the spring, material is conveyed from one end to the discharge end via sieve bottom's inclination, that realizes the process of convey, screen and dehydrate.

## 3 Main Technical Parameter

Conveying length: 1350 mm

Production capacity: 1000-1500 kg/h

Vibrating motor: YZD2.5-6 0.25 kW

Rated voltage: 380 V 3~

## 4 Operation and Usage

### 4.1 Prepare and check before using

4.1.1 To confirm the machine works steadily, set the machine to a suitable location, and fix the base on the ground with bolts.

4.1.2 Check if there have any chocking phenomenon in sieve bottom hole and unclog them to avoid any adverse effect on operational performance.

4.1.3 Confirm the existing electric power is in conformity with this machine’s power consumption. Invite a professional electrician to connect the machine power code to the disconnected open daylight switch. Connect the marked grounding terminal to ground.

#### 4.2 Operation and usage

4.2.1 Materials fall on the sieve bottom from the inlet and convey to the outlet steadily under the vibration force of the motor. During this period, some small pieces of material fall into the tank through the sieve bottom and discharge from the small outlet hole at the bottom of tank. Materials are exported from the outlet. Materials also can be sorting by hand during the vibrating conveying as needed.

4.2.2 According to the size of material, users can change sieve bottom with different diameter.

4.2.3 Sieve bottom change: remove the fixing screws under sieve bottom, and fix the different diameter sieve bottom on the machine with screws.

### 5 Fault analysis and Resolution

Fault symptom	Analysis of cause	Solution method	Remark
Many small pieces in material	Small pieces can’t fall off for sieve bottom hole blocking	Unclog sieve bottom hole	
Machine is inefficiency	1. The vibrating motor works unusual. 2. There accumulate too much materials in the tank.	1. Repair the motor or replace it. 2. Clear out materials from small outlet.	
The machine slopes to one side while working	Spring is damaged.	Replace spring	

### 6 Maintenance

**Always unplug before repairing or maintenance.**

6.1 Clean the machine after each time use. Unclog materials blocked in sieve bottom hole and clear the small pieces in tank to avoid the machine working unusual or materials accumulating next time.

### 7 Transportation and Storage

7.1 Do not bump, lean or invert during transportation to avoid damage and affecting the machine use.

7.2 The machine should be put in dry, free from corrosion gas condition, and avoid contacting with erosive objects when it is not used for a long time.

## 8 Packing list

Serial Number	Name	Number	Remark
1	Complete appliance	1	
2	Instruction book	1	