

ShredSmart 50

Operation Manual



ShredSmart 50

Medical Packaging and Plastics Shredder

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Please read this operation manual carefully before installment and operation the machine

1. Introduction

1.1 Slow speed Dual shaft Cross Crushing shredder

This machine is designed to destroy all kinds of used medical plastic disposables such as PET bottle, HDPE bottle, beverage bottle, rubber small cardboard and so on. When used correctly, it can shred paper only when fed through the paper slot. It is durable with good structure and built with safety in mind. It safely shreds the medical plastics and other disposables into small pieces, preventing reuse and destroying confidential information, reducing the volume of waste by 85%. We chose to work with a low speed motor to eliminate the risk of shred rebound and reduce the noise decibel levels. It is conducive to operating inside most medical facilities and back room areas.

1.2 Product usage

Hospital, clinic, pharmacy, laboratory and so on.

1.3 Main Feature:

1.3.1 Double shaft

This machine uses a double shaft shredding system to grind and shred medical packaging waste into small pieces reducing the volume by 85%. There are 10 durable set of knives with anti rust special steel for a long lasting lifespan.

1.3.2 Waste Collection

With plastic container of waste collection, all waste will fall into the plastic container .

1.3.3 Material

The body is made of anti rust, powder coated mild steel, the waste collection container is made of plastic and the blade is made of SKD11

1.3.4 Minimal Height structure

With good appearance and simple functions, the height of the waste inlet is person suitable for easy waste loading, and the operation panel is convenient for operation.

1.3.5 Castors

With 4 castors, for easy movement.

1.3.6 Easy to operate

With simple operation panel, the operator can operate it with just minutes training.

1.3.7 Operation panel

There are various buttons for different function. "Start", "Stop", "EMERGENCY STOP", "POWER INDICATOR", "REVERSE INDICATOR".

1.3.8 Safety protection:

Electric Leakage protection,

Over voltage and over current protection;

Interface safety voltage;

Emergency stop function;

Mild steel body and resistance to breakdown;

With earthing conductor;

Reverse step function when shredder becomes stuck

Safety lid and door open functions The electric power will automatic shut off when lid or door is open.

1.3.9 Super low noise:

Its working noise is about 60-70dBa, making it more suitable for indoor hospital or medical facility use.

1.3.10 High efficient with one button turn on.

You can fill the waste inlet with at least 50 prescription bottles at one time relieving the need for continuous feed of waste. This provides operator time to work on other tasks while machine is in operation.

1.4. Parameter

Destroying method	Double shaft crushing cutting
Product size	760*630*1230mm (30"x 25"x 48.6")
Crushing capacity	800-1000pcs of bottles(25g)/hour
Power supply	220V,60Hz, single phase power supply
Internal protection	overload protection , leakage protection Thermal hypersensitivity protection,
Interface voltage	Safety low voltage on the operation panel.
Output power	1500W
Material of shell	Mild steel powder coated
Temperature	in operation:-5°C~+50°C stored:-20°C~+55°C
Relative humidity	60%~80%
Waste collector	1pc of Waste collector
Number of knife	10pcs
Motor	2.2kw quiet and low speed motor.
Low noise	60 - 70 dB (A)
Rpm	12
Jam Sensor	6 seconds auto reverse function
Destroying material	plastic bottles, rubber, small cardboard and so on

2. Installment

2.1 The requirements for working conditions

- 2.1.1 The Installation ground should be flat, no fire and no explosive items.
- 2.1.2 Ambient temperature: -5°C ~ 40 °C
- 2.1.3 Relative humidity: less than 85%
- 2.1.4 it is for indoor use .

2.2 Electric power supply:

2.2.1 Power supply: 220V, 60Hz,

2.2.2 The power supply should have the reliable ground protection



2.3 Installment:

- 2.3.1 The user should install the plug which with the rated current not is less than 16A.
- 2.3.2 please insert the plug into the socket, and check whether the power indicator is "ON", if it is , the machine is under "standby" mode and press the "Start" button. The machine will start running.

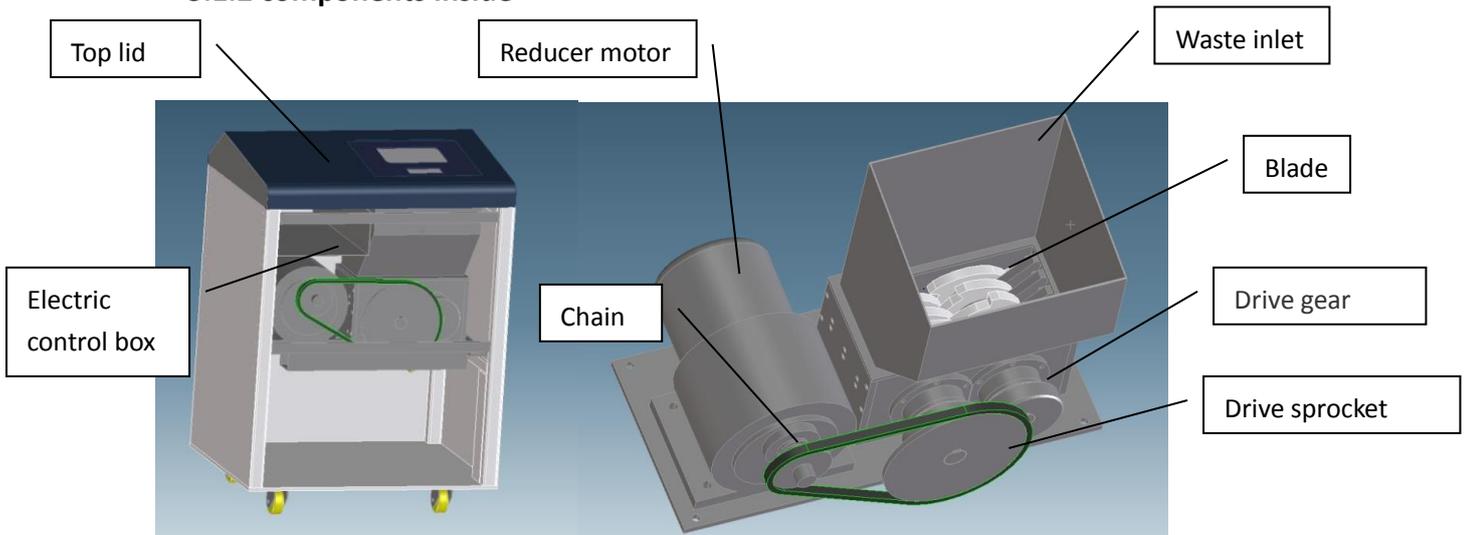
3. Operation method

3.1 Components of the plastic shredder

3.1.1 Outside components

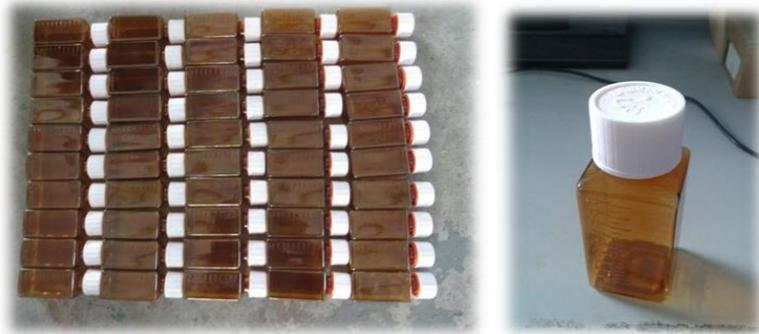


3.1.2 components inside



3.2 Materials

The machine should mainly be used to shred all kinds of used medical plastic waste such as plastic utensils, pet bottle, urine cup, pill bottle, syringe, rubber, paperboard.



Warning:

- ONLY USE PAPER FEED SLOT if shredding paper.
- Don't put in the thick Metal and thick glass bottle into it.

3.3 Operation step

- 3.3.1 Open the door of waste outlet ensuring the waste container is not full and put the waste container in correct position. Then close the door.
- 3.3.2 Connect the power supply and check if the power indicator on operational panel light is on. If so, open the door of waste inlet and put the waste into the chamber, and close the waste inlet lid, (approx.. 50 10ml bottles)
- 3.3.3 Press the "Start" switch, and machine starts running. No need to stop the machine when it gets Stuck, the machine will automatically reverse running for 4 seconds and then continue shredding.
- 3.3.4. The machine will automatically stop 5 minutes after the push start. (0-10minutes adjusted available). The operator can also stop the machine manually as needed or when they find no material left looking though the transparent window in the lid.
- 3.3.5 To ensure operator safety, The machine's electrical power will be automatically shut off when any lid or door is open.



3.3.6 Please press the "Start" switch if you've opened the door or the lid to restart the machine.

3.3.7 Please cut off the power supply after shredding.

3.3.8 Please open the waste inlet lid and stir the waste with a tool when the waste cannot touch the blades freely. Then close the lid and start again.

4. The requirements of on operator

4.1 The machine should be operated by the worker who had been trained and been familiar of the operational procedures and warnings:

4.2 The operator should read the instructions carefully and become familiar in the operation process before operation.

4.3 The operator should wear work clothes and protective gloves when handling the waste;

5. Attention

5.1 Don't put in metal and glass into it so that to avoid the damage to the blade.

5.2 Please read the disassemble steps carefully before disassembling machine.

5.3 Make sure there is minimal liquid in the waste.

5.4 Make sure the electric power is off when cleaning the machine and never flushes the equipment directly by the water, fuel or any other liquid. If there is staining in the waste inlet surface, just wipe with disinfectant cloth.

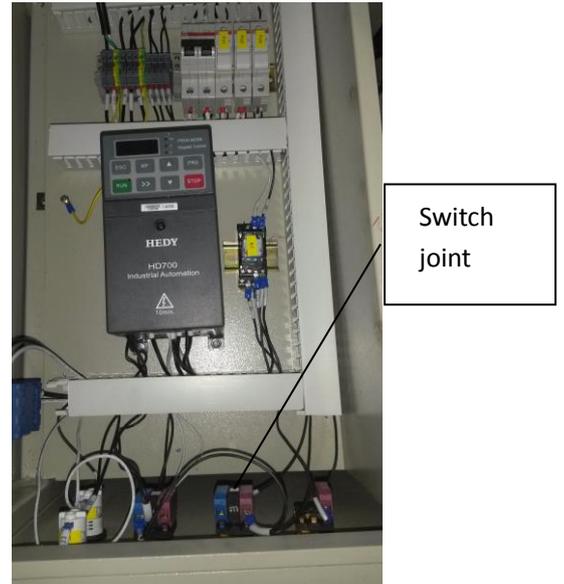
6. Maintenance and disassemble steps

6.1.1 If there is need to repair the electric parts supply, 2 screws in the left and right side of lid will allow the top hood to be lifted.

6.1.2 If there is something wrong with the mechanism system, firstly disassemble the top lid and then disassemble the front panel.

Warning: please pull out the switch joint before disassemble the front panel

6.1.3 The waste outlet door can be disassembled as well for the further maintenance if necessary.



7. After sale service

The manufacturer will replace any defective parts within one year from date of delivery. It does not include the following situation:

- 1) Damage due to abuse of the machine.
- 2) The wrongful operation of machine.

8. Extended Service Agreement

- 3) Ask the manufacturer about the full 3 years extended parts and labour service agreement.

8. Circuit diagram

