

wiAIR[®] CS 500

Cardboard Shredder instruction manual



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I .Preface

Overview:

Thank you for choosing our company's product. Your wise decision has granted you a safe, practical, efficient, and innovative cardboard shredder.

This machine boasts a wide range of applications, high economic efficiency, and exceptional ease of operation. It ensures comprehensive and superior packaging results for various items. It is extensively utilized in the packaging, logistics, and parts processing industries, including precision instruments, meters, motors, electrical machinery, and metal components.

1.1 Use of manuals :

- (1) Before using this machine, please read this manual carefully.
- (2) The manual is the complete instructions for the product, please keep it together with the machine.
- (3) Please do not delete or modify this manual.
- (4) Due to the continuous improvement of the machine, our company reserves the right to modify the manual.
- (5) Please strictly follow the operating procedures in this manual. Incorrect operation may result in damage to the machine or accidental injury to personnel!

1.2 Safety and Usage Precautions :

- (1) It is necessary to use a circuit breaker and power line with a capacity similar to that of the machine. Using a circuit breaker with smaller capacity or a power line with a smaller diameter will cause damage to the circuit or components.
- (2) Machine should not be used in highly moist environment, and should not be exposed to excessive amount of water vapor.
- (3) Do not reach into the paper exit area while the machine is running.
- (4) Do not place metal objects into the paper feed slot of the machine, as this will cause damage to the machine.
- (5) Please do not disassemble or repair equipment without the guidance of technical personnel.
- (6) The machine contains rotating components and sliding blade components. The cover and safety devices are in place to minimize contact with these components. Operators should exercise extreme caution when operating the system, as all these components pose potential dangers to untrained operators or those who are not paying attention. Operators should be mindful of the components that pose potential dangers.

II . Safety precautions

Safety Signs

Beware of the signs below to prevent mechanical damages or casualties due to improper operation

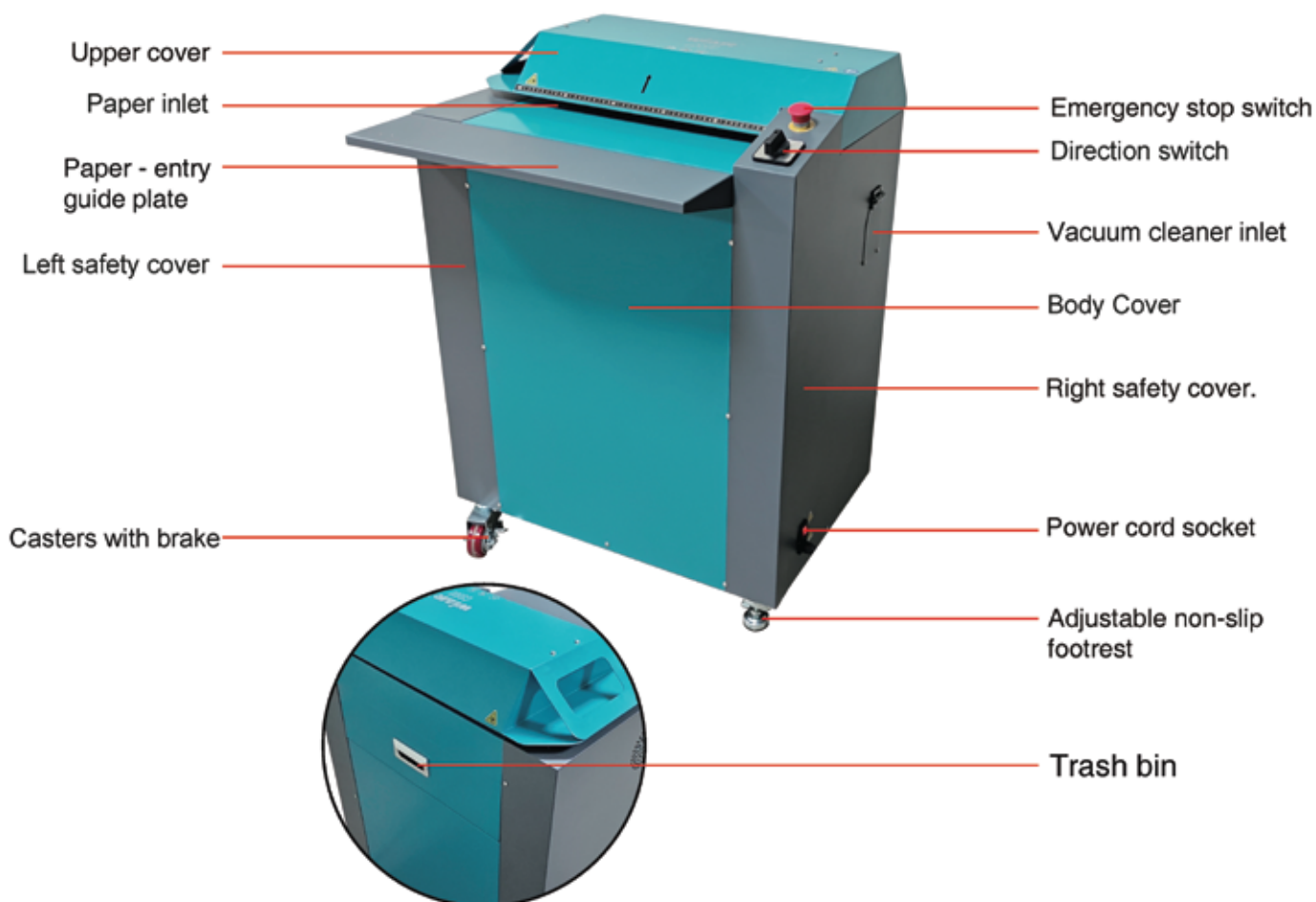


III. System Overview

3.1 Basic equipment specifications

Voltage	Power	Max. Speed	N.W.	Size
220-240V 50/60 Hz	2600 W	13 m/min	150 kg	738 * 680 * 1030 mm
Maximum Consumable Width	Suitable for corrugated cardboard		G.W.	Outer box size
500 mm	≤20 mm		175 kg	835 * 595 * 1190 mm

3.2 Introduction of machine

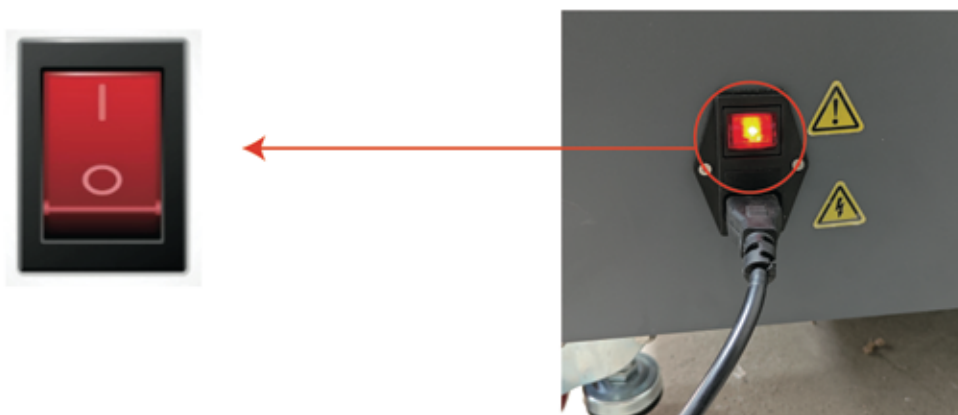


IV. Operator Training

4.1 Turn on/off the system.

4.1.1 Turn on the system

- (1) Make sure the power cord is connected properly.
- (2) Toggle the power switch on the system to the on (I) position, and the indicator light will illuminate to indicate that it is on.



4.1.2 Turn off the system

- (1) If the system is running, press the start/stop button on the user interface panel.
- (2) Toggle the power switch on the system to the off (o) position, and the indicator light will turn off to indicate that it is off.
- (3) Disconnect the power cord if desired.

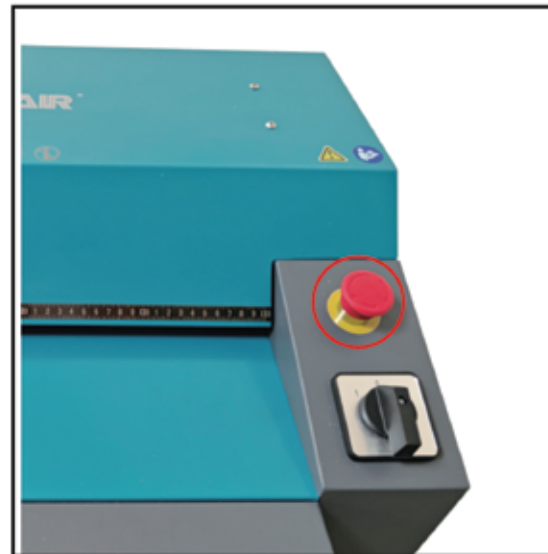


4.2 Machine safety features

4.2.1 Emergency stop switch

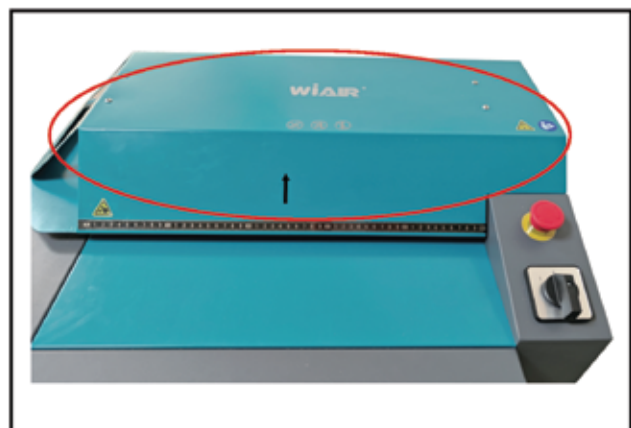
- (1) Located above the control panel, the red button is easy for the operator to see.
- (2) When pressed, all operations and functions of the system are disabled.
- (3) Locks in the engaged position, twist the button to release.

Note: The emergency stop switch is only used in an emergency and does not replace the Direction switch.



4.2.2 Upper cover

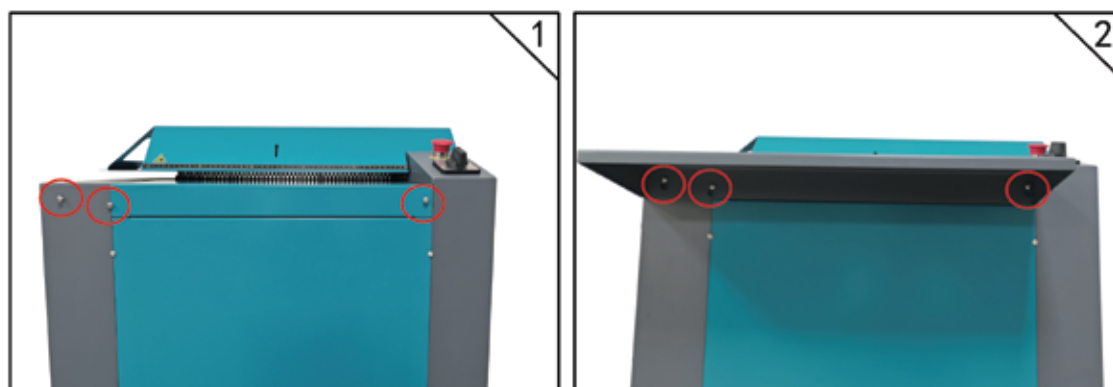
- (1) The entire system is covered by a front cover that prevents access to potentially dangerous components. It can only be opened for maintenance.
- (2) Do not operate the system with any covers open or removed.
(All covers require a tool to open)



4.3 Installation of Paper-entry Guide Plate

4.3.1 First, loosen the three screws on the machine as shown in Figure 1.

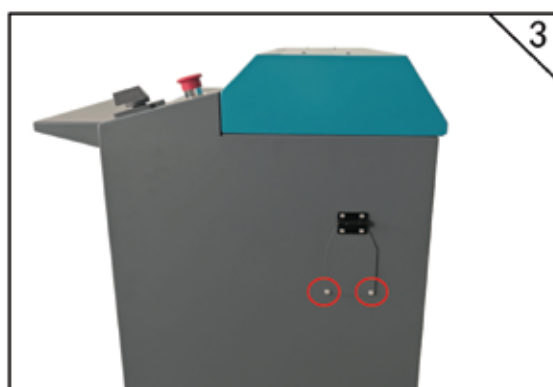
4.3.2 Then, just clamp and lock the Paper-entry Guide Plate as shown in Figure 2.



4.4 Vacuum cleaner inlet

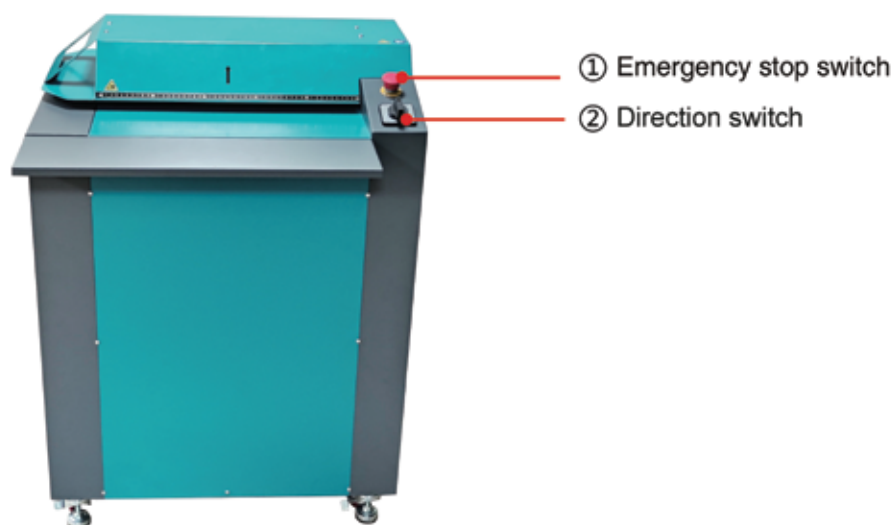
4.4.1 First, loosen the two screws on the machine to open the interface, as shown in Figure 3.

4.4.2 A special vacuum cleaner pipe adapter is required for use.



4.5 Control Panel

4.5.1 The control panel of the entire system includes a direction switch and an emergency stop switch.



4.5.2 Direction switch

- ② Direction switch: turn to forward, the machine will start to make paper-bubble, turn to center, machine will stop, turn to reverse, machine will rewind the paper bubble, pause protection function will hold up motor 1~2 second of each twist.
Note: please hold back the paper and pull out at the same time when reversing the motor.



Reverse



Paused



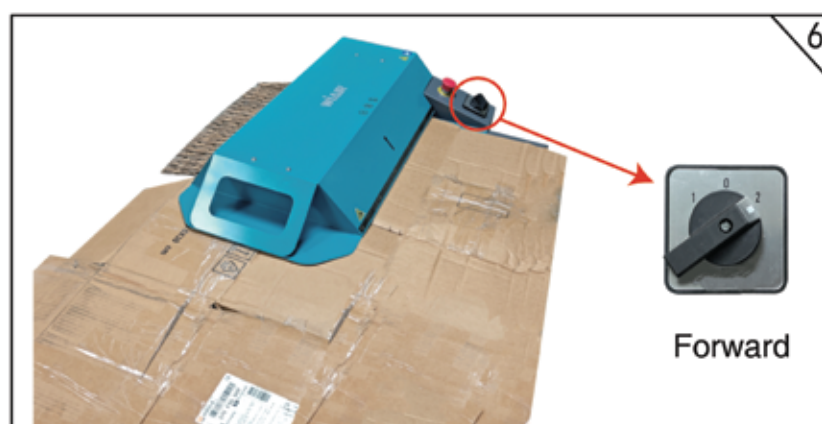
Forward

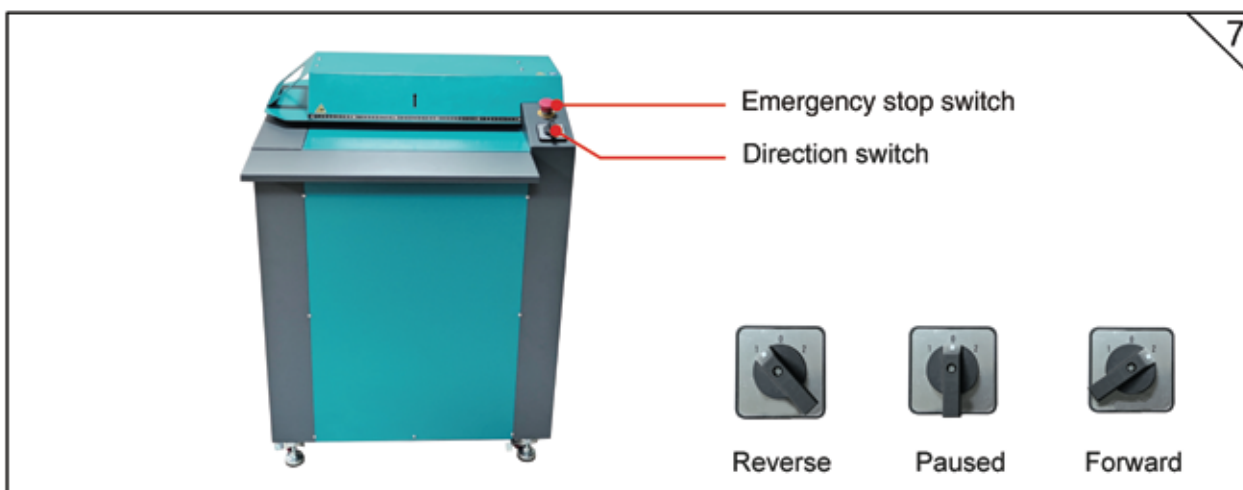
4.6 Preparation before use.

- 4.6.1 Before starting work, ensure that the trash bin is properly closed, as shown in Figure 4. If it is not securely closed, the machine will not start.



- 4.6.2 The trash bin is securely closed. Place the corrugated paper as shown in Figure 5. (Note: Do not exceed the limit markers when placing the paper).
- 4.6.3 The corrugated paper needs to be pulled to the cutting roller area. Ensure that when the rotation forward and reverse switch is activated, the machine can pull out the corrugated paper and smoothly commence production, as shown in Figure 6.





4.6.4 Connect the power supply and turn on the power switch. Before operating the machine, familiarize yourself with the function of each button, as shown in Figure 7.

4.6.5 Forward/Reverse Switch: Set to forward, and the machine will start producing mesh cushioning material. When switching between forward, reverse, and stop, pause for 1-2 seconds.

4.6.6 When reversing, manual assistance is required to pull out the material.

4.6.7 After the paper pad is completed, set the switch to stop, and the machine will immediately cease operation.

4.6.8 Speed: The maximum speed is approximately 13m/min.

4.6.9 Maximum paper inlet height $\leq 20\text{MM}$

4.6.10 Due to individual machine variations, the above settings may not equal the actual output values.

4.6.11 If you need to shut down the machine, ensure it is stopped and turn off the power switch.

V. Common Troubleshooting for the Machine

Fault Symptoms	Fault Causes	Troubleshooting
Power-on indicator not lit, no response from the machine	Emergency stop switch not released	Turn and release the emergency stop switch
	Blown power fuse	Replace the fuse
	Main power switch not turned on	Turn on the main power switch
	Damage to the main power socket	Replace the main power socket
	The paper scrap bin is not properly closed	Please close the paper scrap bin securely
The blade remains still	The entire set of gears in the cutter assembly is damaged	Replace the entire cutter gear set
	The entire motor assembly of the cutter is damaged	Replace the entire motor assembly of the cutter
The machine shows no response when powered on	Motor overload or damage	Power off and wait for a few minutes before replacing the motor
	The paper shredder sensor is damaged	Replace the paper dust box sensor
	The paper scrap bin is not properly closed	Please close the paper scrap bin securely
Paper jam	There is adhesive on the entire blade assembly	Remove any foreign objects from the entire blade assembly

GRAND SOLUTION SUPPLY (GSS)

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