

(BWS-BX30A Wire Stripper)

User Manual

Contents

Part 1: Specification and Composition.....	1-7
Part 2: Operation.....	7
Part 3: Elimination and Maintenance of Common Faults.....	7
Part 4: Introduction to Safety.....	8

I. Specification and Composition:

1.1 Purposes:

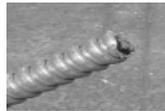
The machine is extensively used for recycling used materials, the functions of which are to separate the insulation layer of cables from their conducting wires, so as to recycle the copper, aluminum, plastics and rubber, etc for recycling and reuse.

1.2 Categories of cables handled by the machine

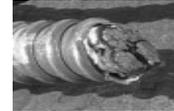
Φ13mm aluminum cables



φ15mm aluminum cables



φ25mm aluminum cables



1.3 Technical Parameters:

1.3.1 Power supply voltage/power of motor/frequency: AC240V/3KW/50HZ

1.3.2 Dimension: 860mm×720mm×1150mm (L×W×H)

1.3.3 Operating weight: 220KG

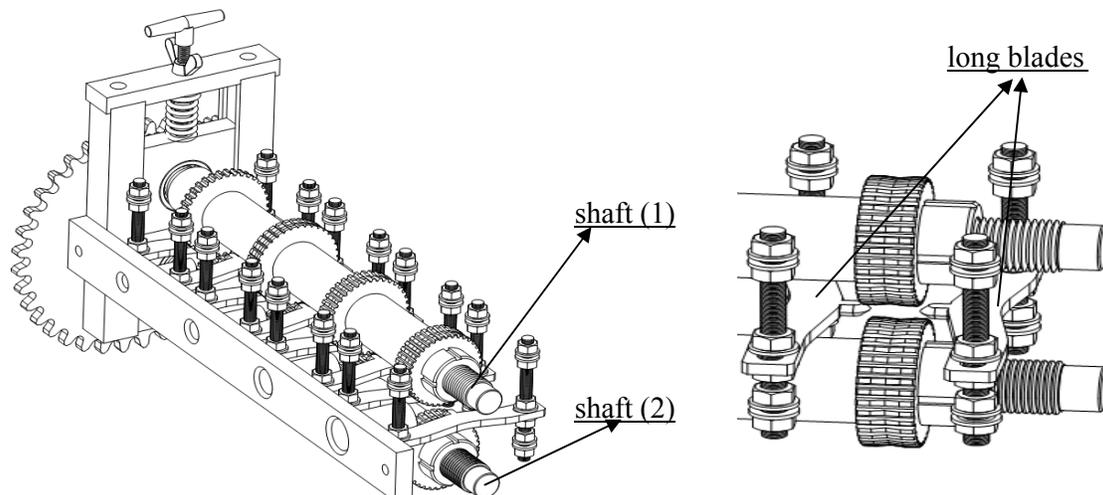
1.3.4 Processing capacity: MAX 30m/min

1.4 Working principles:

1.4.1 Shaft (1) and shaft (2) rotate reversely in clockwise and counterclockwise direction respectively. These two shafts are equipped with conveyor rollers (**four pairs in total**), while two long blades are installed on both sides of each group of conveyor rollers (**see partially amplified picture**).

1.4.2 While opening the machine, cables are manually conveyed between the cables on shaft (1) and shaft (2). The rollers drive cables to be transferred. Then, aluminum layer is ripped open by long knives on both sides of rollers, in order that aluminum layer can be effectively separated from conducting wire for the purpose of recycling.

Schematic Drawing



1.5 Handling, transportation and storage:

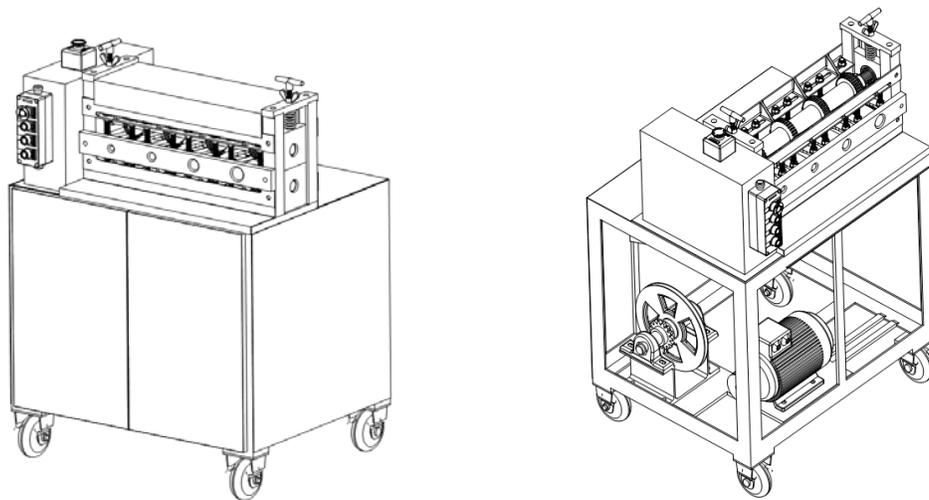
1.5.1 Handling: this machine is equipped with casters. When it is handled within a short distance, loosen the brake of casters and manually push it forward. If it shall be moved within a long distance or lifted to a certain height, forklifts and other auxiliary handling tools are needed.

1.5.2 Transportation: during transportation, the machine shall be protected from being pressed and collided. Besides, some measures shall be taken to fix the machine to prevent damage.

1.5.3 Storage: users are suggested to store the machine in a dry place where it is ventilated for 24 hours all day long.

1.6 Composition:

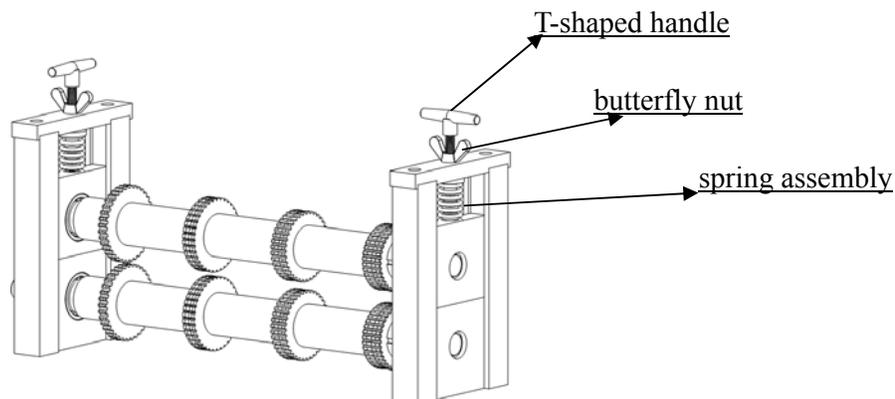
1.6.1 Composition of machine: 1. protective part; 2. inlets; 3. part for electric control; 4. cable stripping part; 5. regulating part; 6. transmission part; 7. machine frame



1.6.2.3 Left and right adjustment mechanism:

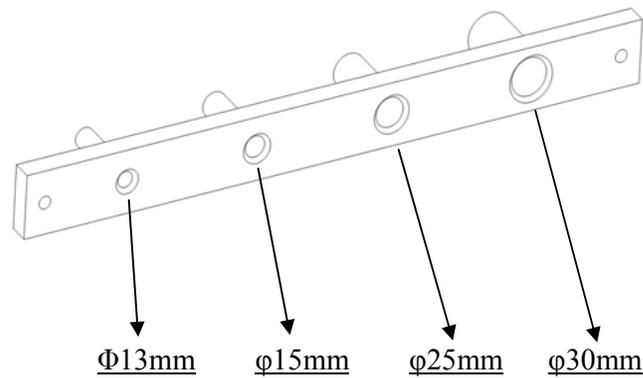
Main functions: uplifted height of shaft 1 can be adjusted during cable stripping by screwing up or loosening a T-shaped handle. Users need to make adjustment based on cable stripping effects expected to be realized.

Adjustments:

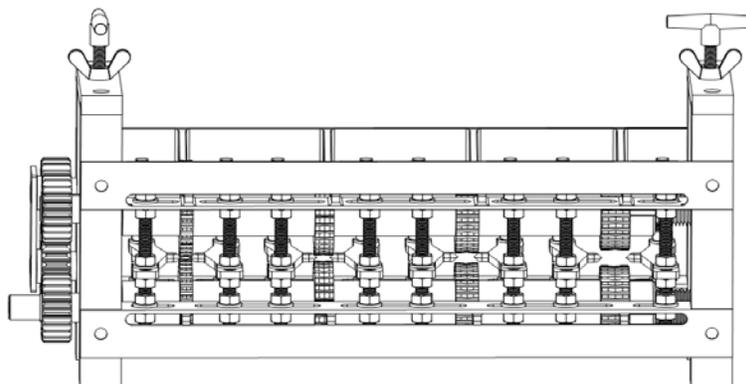


1.6.2.10 Inlets:

Main functions: to lead cables with different specifications into machine and prevent cables from off tracking during conveying cables. During cable stripping, corresponding inlet shall be selected according to the diameter of cables to be processed.

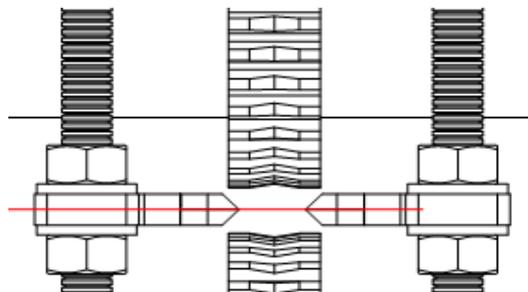


1.6.2.11 Cable stripping part:

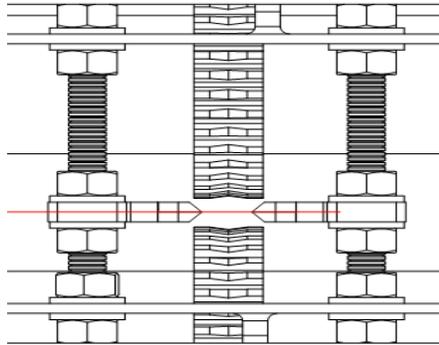


Adjustments:

A) Adjusting the cutting height of a blade: the upper and lower height of long knives can be adjusted by regulating nuts. Users shall make the adjustment based on the cutting height of cables. After adjusting the height of long blades, they shall be parallel at both ends. Meanwhile, the cutting height of blades generally shall reach the center of cables.

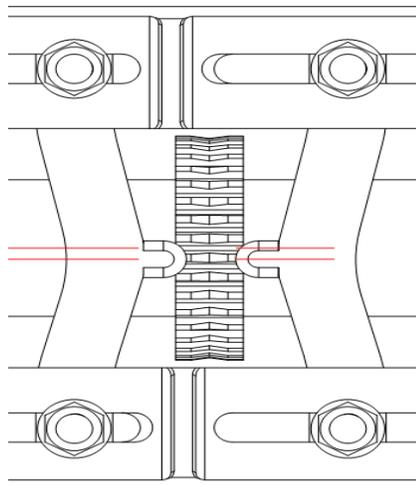


B): Adjusting the cutting center by blades: each adjustment bolt is fixed on angle steel by four upper and lower nuts. To adjust the distance from the left side to right side of a blade, the nuts inside the angle steel shall be firstly screwed off and screw bolts shall be gently tapped, so that the cutting height of blades can exactly reach the thickness of aluminum cover. Furthermore, the cutting edges of blades shall be symmetrically distributed on both sides of gears. Nuts shall be tightened after the adjustment is made.



C): Adjusting the front and back parts of blades: U-shaped troughs are available on both sides of blades. Slowly screw off the nuts fixing blades and gently tap on the top of blades to adjust the front and back parts of blades. Please note that front and back parts generally locate 0.55mm above the back center of gears. If blades are near the front parts of gears, the resistance will be too large. Then, it is impossible for gears to occlude cables to be conveyed forward. The inlet opening angle of blades shall be a little smaller than their outlet opening angle, or else too much aluminum covers will be intertwined with conducting wires.

D): Screw all nuts up after adjustment to prevent blades from moving during processing.



1.6.2.12 Electric control part:

The electric control part was made of electromotor, switch, power line, plug and other parts.

The power supply of this machine: AC220V / 50Hz, use the middle line N.

User must use the guard wire PE.

1.7 Notes of test run

1.7.1 Inspection

1. Check whether the fastening piece was installed fixed.
2. The transmission part is loosened or not.
3. The electrical part is OK or not.

1.7.2 Start machine

1. Switch on power and start the stripper machine.
2. Test the stripping to select the proper feed port.
3. Adjust the up and down adjustment device to achieve the proper stripping effect.
4. Batch stripping.

2. Machine operation

1. Read this manual in detail before use the machine.
2. The power of this machine is AC240V; the power should be connected right.
3. After the power is on, press “ON” to start machine.
4. Select the proper feed port to strip.
5. In the process of stripping, if the emergency happened, press “OFF” to stop the machine.
6. Clean the remaining residue of machine after processing.
7. Place it in the ventilated dry site within 24 hours.

3. Common fault removal

Maintenance:

Common fault	Removal method
The stripper machine didn't work after started.	<ol style="list-style-type: none">1. Check whether power was connected.2. Check whether the electric wire was good.3. Check whether the motor was damaged.
The motor belt dropped.	<ol style="list-style-type: none">1. Check whether the belt was OK.2. Renew to adjust the position of motor.3. Replace the belt.
There was abnormal sound after machine was started.	<ol style="list-style-type: none">1. Check whether each part was OK.2. Check whether the bearing was OK.3. Chain was OK or not.4. Add the lubrication oil.

2.1 Clean the machine up after use it.

2.2 The bearing should be coated lubrication.

2.3 The gear and blade should be coated antirust oil.

2.4 The gear should be placed in the dry site.

4. Security declaration

4.1 Unsafe factors:

1. There was equipped with sharp blade in this machine. In the process of operation, if there was material blocking or unprosperous outgoing, use hand to pick the material under the condition of running (meanwhile, the blade was running), the body of worker would be injured.
2. The used power of this machine was 240V; it's demanded that operator operated according to the rules so as not to be shocked by electricity.
3. Man-made removal to protective cover and repair at the moment when the machine was running.

4.2 Safety rules

1. The machine can't be started arbitrarily without person who was familiar with the performance and operation rules of this machine, it's suggested that the operator should read this manual carefully again and again.
2. Prohibit arbitrary dismantling the protective parts what's related with the machine's safety. Before use every time, check carefully the tightness of each part. Check whether electric part was connected well and the switch could carry out the relevant action.
3. Prohibit arbitrary maintenance when the machine was running, if the emergency happened, the "OFF" switch should be pressed and the operation should be done after the power was cut off.
4. If material was blocked, shut down the machine, wear the protective gloves and pick up the relevant assistant tools.
5. When use, note the warning mark, avoid the accident.