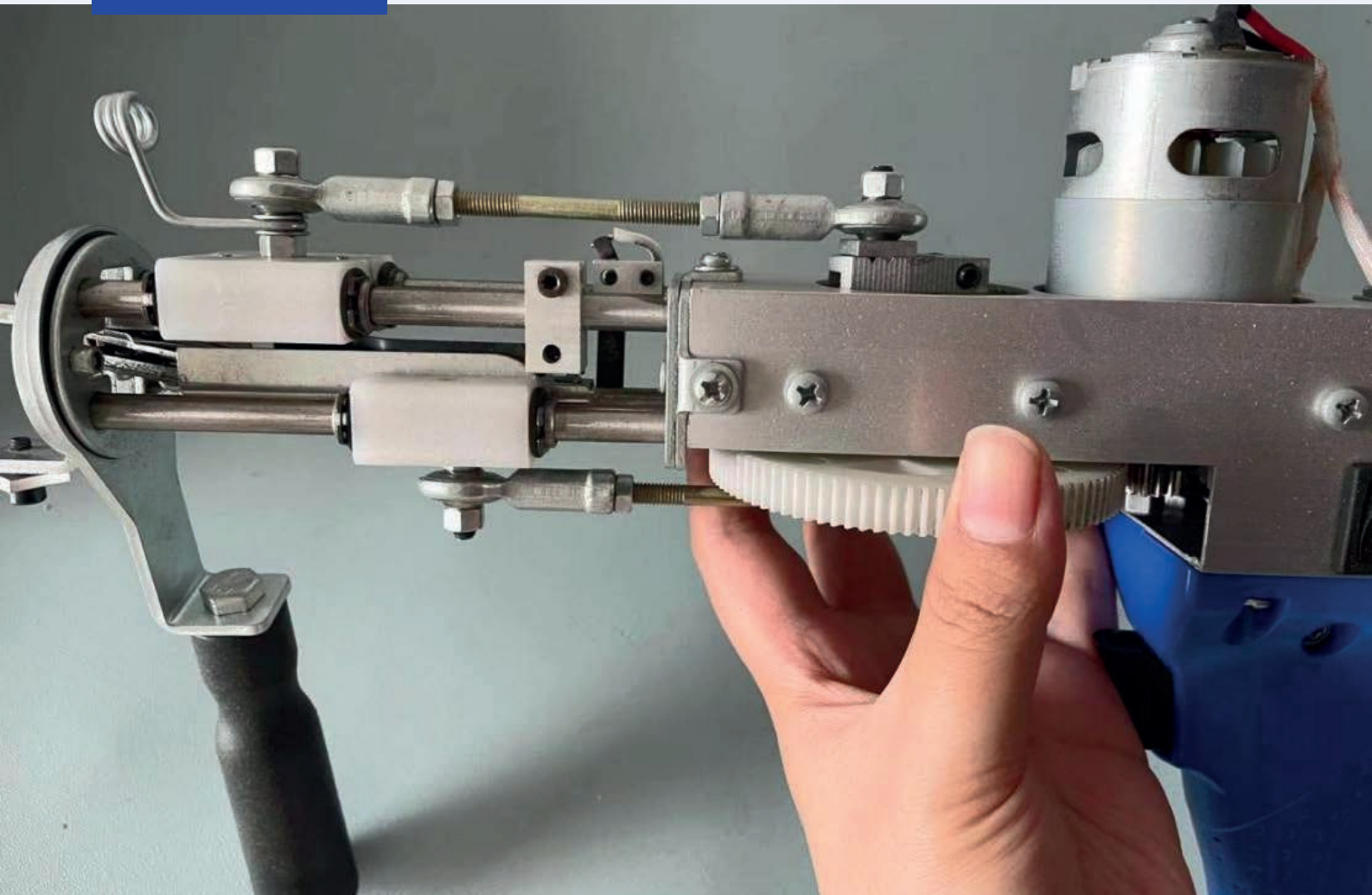


Carpet Tufting Gun Manual



Scope of Application ---

It is suitable for hand tufted carpets of various sizes and specifications like wool carpets, chemical fiber carpets and art tapestries.

Safety Notice

In order to avoid accidents such as fire, electric shock and injury when using this machine, please read the following safety precautions carefully.

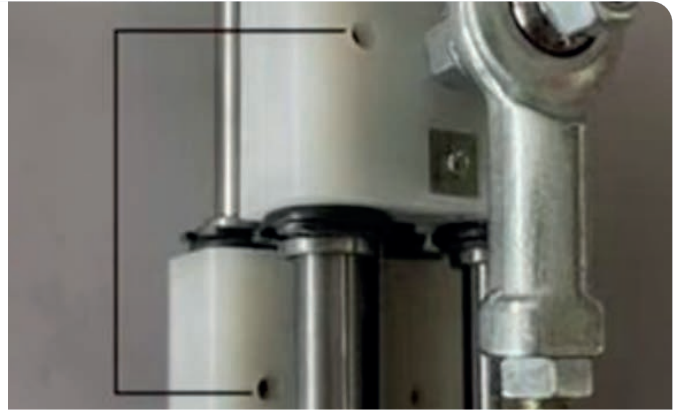
- Keep the workplace clean and dry, do not use the machine in a dark and humid place.
- Use by children or unrelated persons is prohibited.
- The **ON - OFF** switch (structure chart 37) must be turned off.

Product Parameter Table

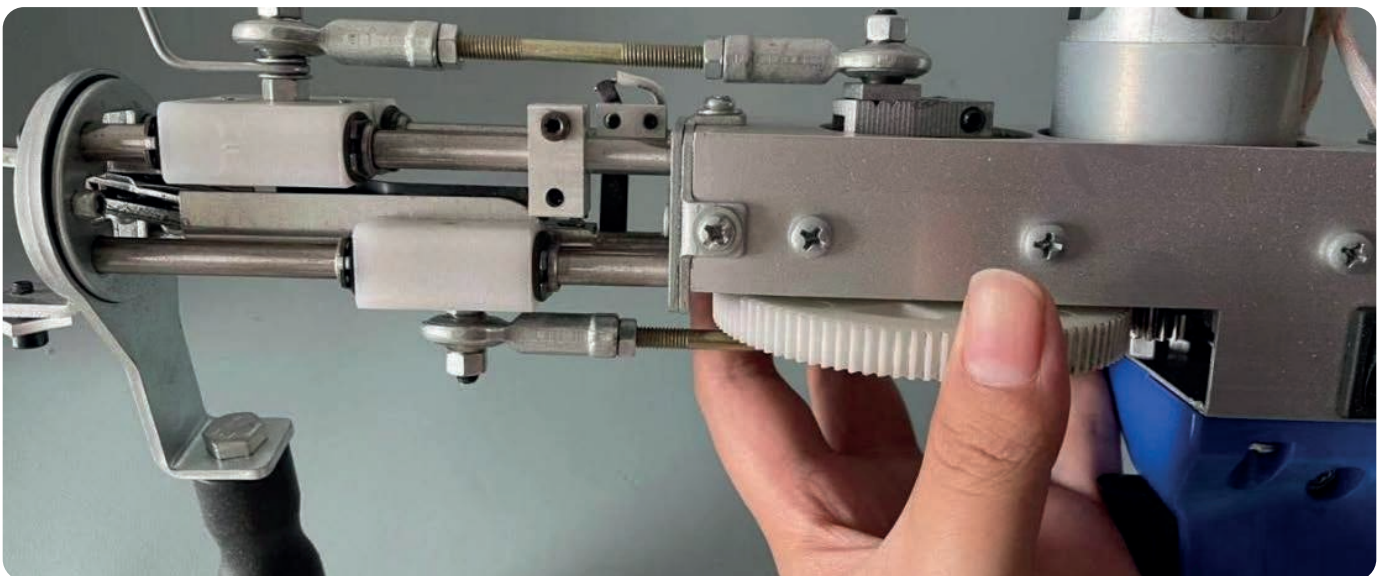
Specification	Cut Pile	Loop Pile
Input Voltage	100V-240V	100V-240V
Output Voltage	30V	30V
Power	120W	120W
Frequency	50HZ-60HZ	50HZ-60HZ
Pile Height Range	8mm-18mm	6mm-16mm
Tufting Speed	6-30 stitching/sec	6-30 stitching/sec
Net Weight	1.5 kg	1.5 kg

Method of Application

1. First, oil the machine. Each machine has 4 oil holes, and each oil hole drips



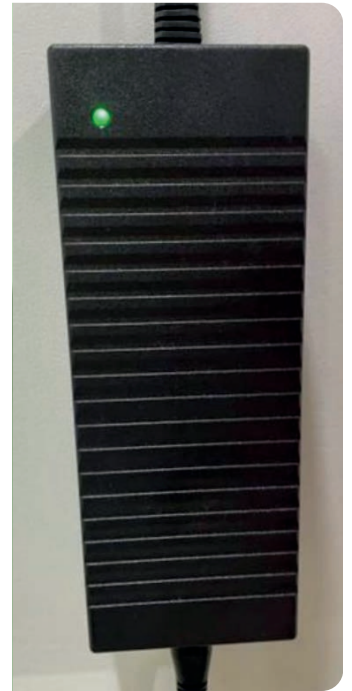
2. First, oil the machine. Each machine has 4 oil holes, and each oil hole drips



- 3.** Connect the power cord to the power supply. Connect the power output plug with the power tool.



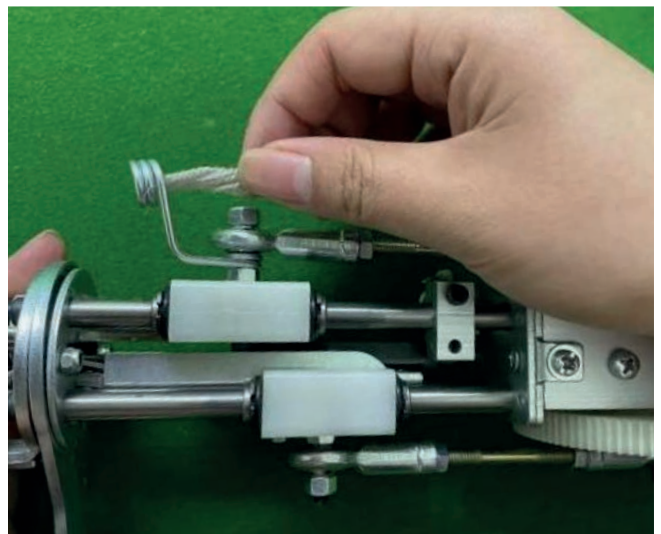
- 4.** Plug in the AC socket to check whether the power supply is energized normally. The power indicator lights up after power-on.



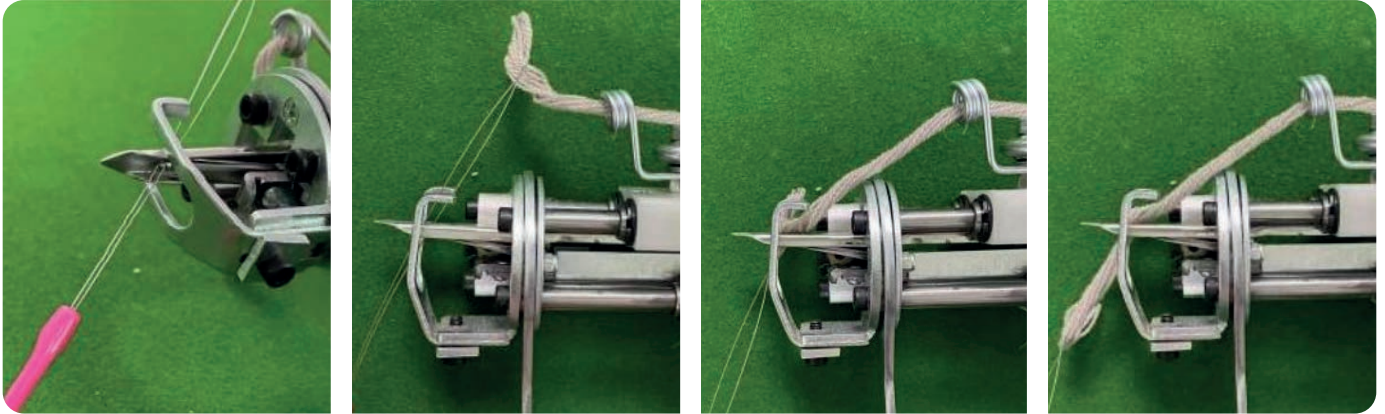
- 5.** Check whether the power switch is off.



- 6.** Thread the yarn through the coil.



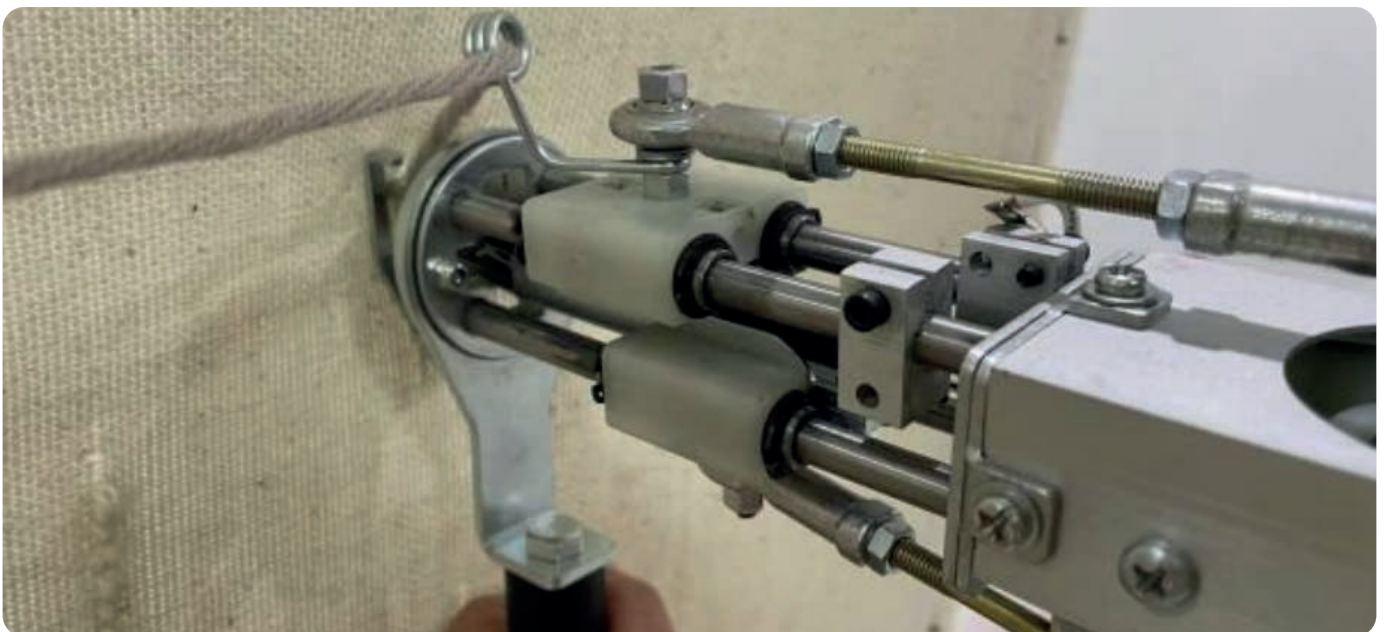
- 7.** Thread the threader through the needle hole and use the threader to bring the yarn into the needle.

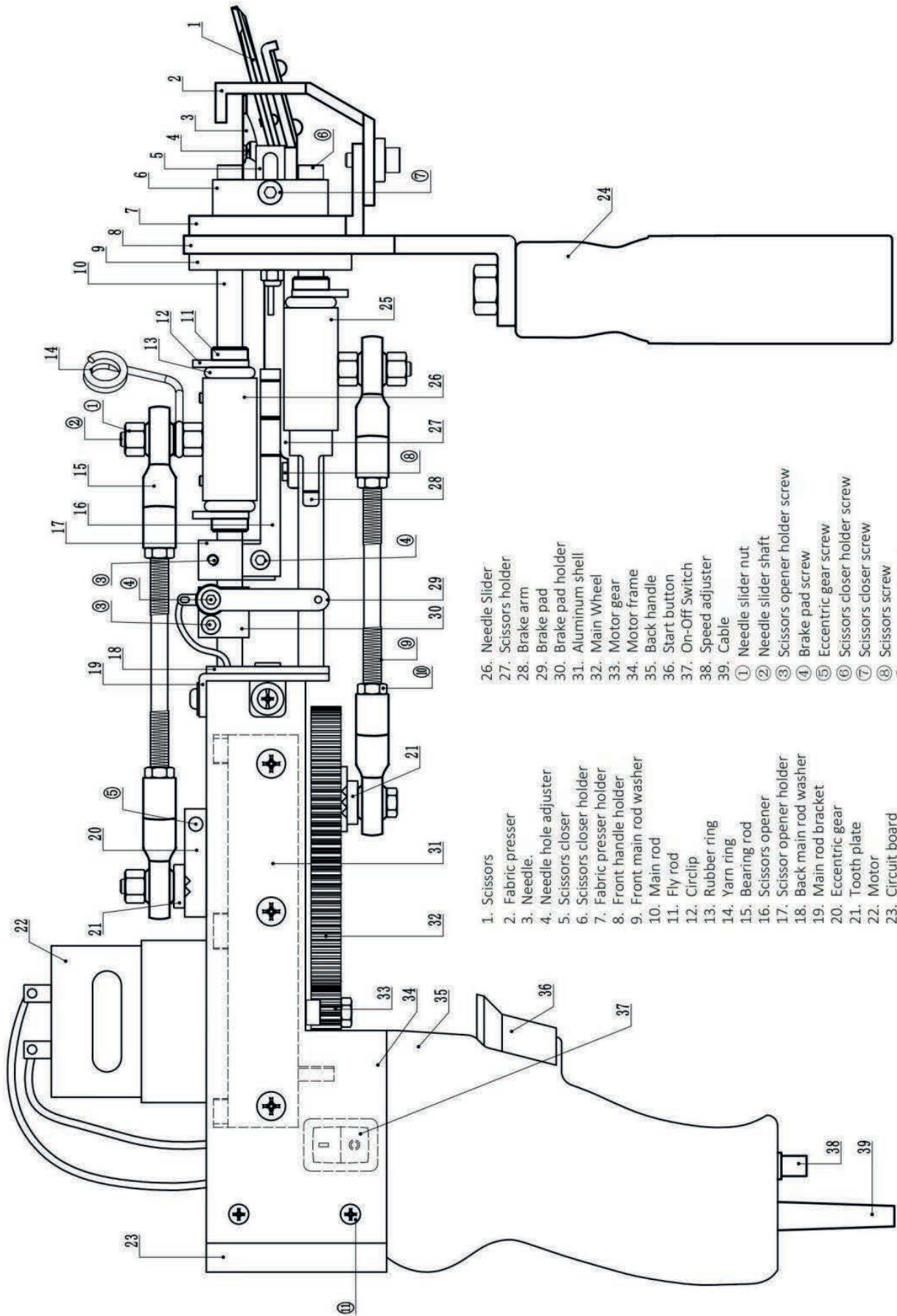


- 8.** Turn on the power switch. The indicator lights up.



- 9.** Push the front part of the needle against the cloth, press the start switch, keep the balance of the electric tool, and start working from bottom to top and from I



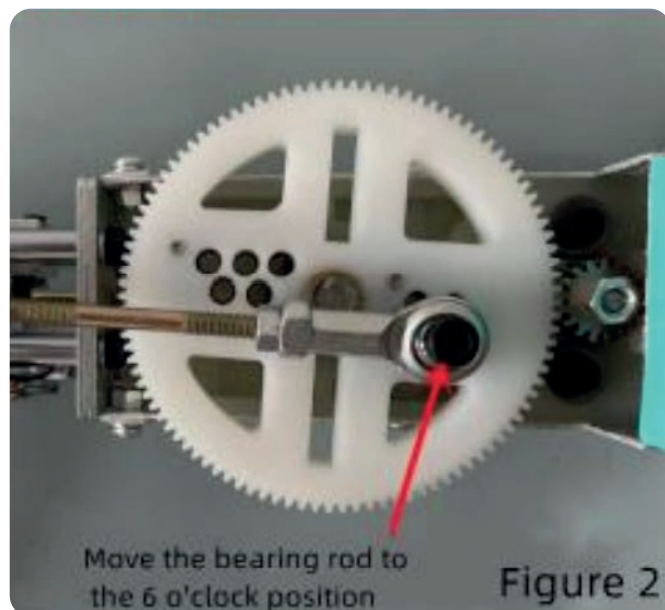
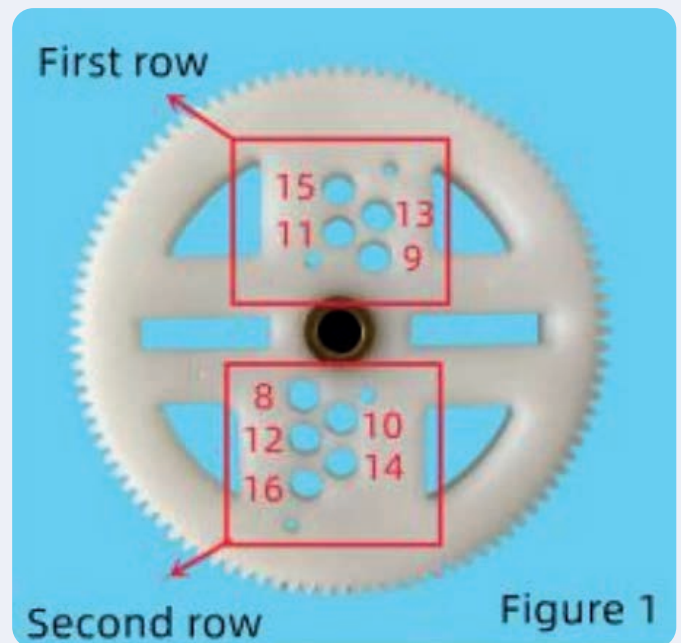


1. Scissors
2. Fabric presser
3. Needle
4. Needle hole adjuster
5. Scissors closer
6. Scissors closer holder
7. Fabric presser holder
8. Front handle holder
9. Front main rod washer
10. Main rod
11. Fly rod
12. Circlip
13. Rubber ring
14. Yarn ring
15. Bearing rod
16. Scissors opener
17. Scissor opener holder
18. Back main rod washer
19. Main rod bracket
20. Eccentric gear
21. Tooth plate
22. Motor
23. Circuit board
24. Front handle
25. Scissors slider

26. Needle Slider
27. Scissors holder
28. Brake arm
29. Brake pad
30. Brake pad holder
31. Aluminum shell
32. Main Wheel
33. Motor gear
34. Motor frame
35. Back handle
36. Start button
37. On-Off Switch
38. Speed adjuster
39. Cable
- ① Needle slider nut
- ② Needle slider shaft
- ③ Scissors opener holder screw
- ④ Brake pad screw
- ⑤ Eccentric gear screw
- ⑥ Scissors closer holder screw
- ⑦ Scissors closer screw
- ⑧ Scissors screw
- ⑨ Bearing rod shaft
- ⑩ Bearing rod nut ⑪ Circuit board screw

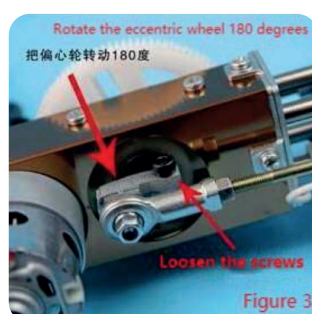
Pile Height Adjustment

1. There are 2 group of Pile height adjustment holes on the wheel. First group have 9, 11, 13, 15mm five heights, Second group have 8, 10, 12, 14, 16mm five heights. (Figure.1)
2. Each hole on the wheel represents a tufting height need, When a certain height is required, adjust the screw on the positioning hole to the required hole is okay. (Figure 1)
3. Machine default pile height is set in the first group 13mm If need heights in the second group, move the positioning screw to the required height holes, then:

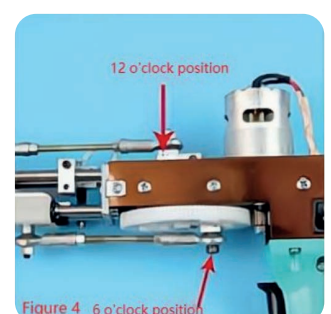


- 3.1. Turn the positioning screw on the wheel to the bottom end. (Figure 2)
- 3.2. Loosen the upper eccentric screw. (Structural Drawing 5)

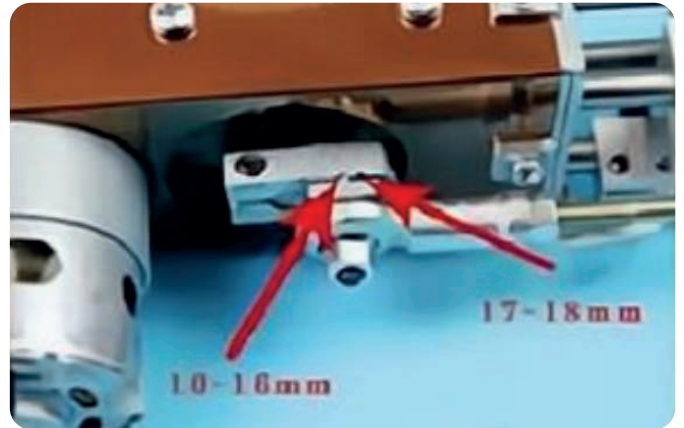
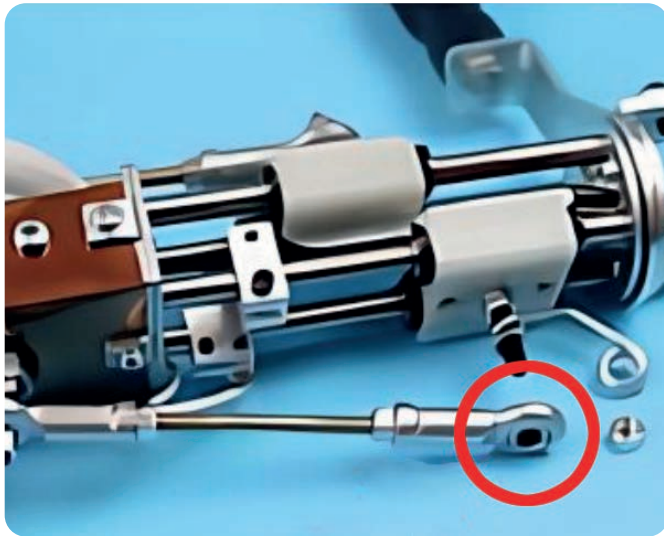
- 3.3. Rotate the eccentric wheel (Structural Drawing 20) 180 degrees, Tighten the screws again. (Figure 3)



- 3.4. After the rotation, the head of the eccentric wheel goes to the front, bottom position screw on the wheel is goes to the end. (Figure 4)



4. if need 17-18mm pile height, Firstly adjust the positioning screw on wheel to the number 16, then adjust the tooth on the eccentric (*Structural Drawing 20*) to the slot at the front end (this slot is special for 17-18mm). (*Figure 5*)



5. Minor adjustment of Pile height

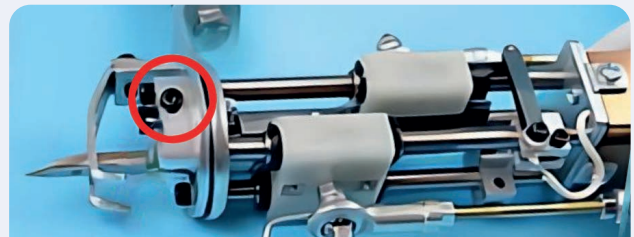
5.1 Unscrew the screw on the upper bearing rod (*Structural Drawing 2*), take off the bearing rod;

5.2 Rotate the bearing rod (*Structural Drawing 15*), the clockwise rotation will increase pile height, Turning counterclockwise will reduce pile height, After adjusting to the required height, put the bearing rod back on the plastic slider and tighten it. (*Figure 6*)

Adjust Scissors Closer

After the pile height is adjusted, the scissors closer must also be adjusted.

1. Loosen the screws on the scissors closer (*Structural Drawing 7*) (*Figure 7*)
2. Turn the Plastic wheel (*Structural Drawing 32*) to turn the scissors to the front end (*Figure 8*)
3. Move the scissors closer down (*Structural Drawing 5*) to close the scissors completely, then tighten the screw (*Structural Drawing 7*) (*Figure 9*)



(*Figure 7*)



(*Figure 8*)

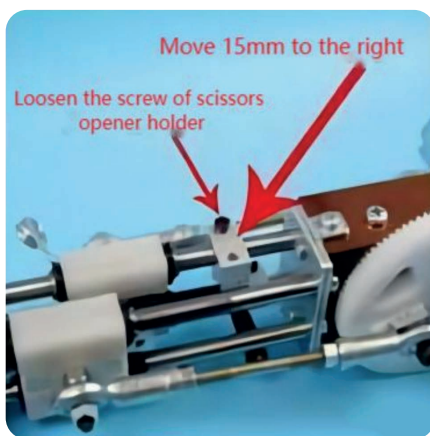


(*Figure 9*)

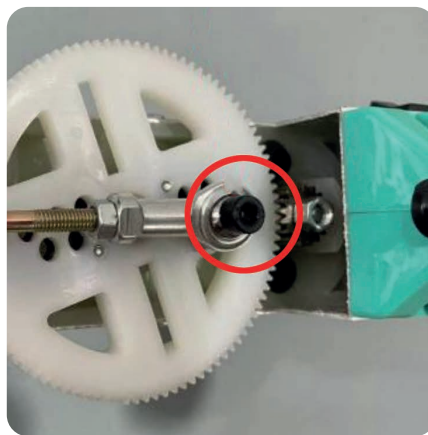
Adjust Scissors Opener

When the pile height is adjusted, the scissors opener is also need to be adjusted.

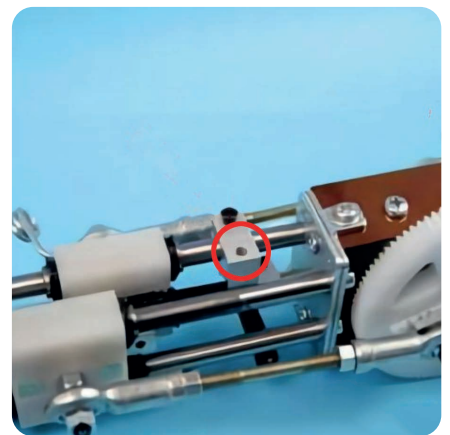
1. Loosen the screws (Structural Drawing 12) on the scissors opener holder, and move the opener holder back by 15mm. (Figure 10)
2. Rotate the wheel to make the bearing rod return to the back end (Figure 11)
3. Move the scissors opener holder forward, so that the opener will force the scissors open, then lock the screw on the opener holder (Structural Drawing 12), (Figure 12)



(Figure 10)



(Figure 11)

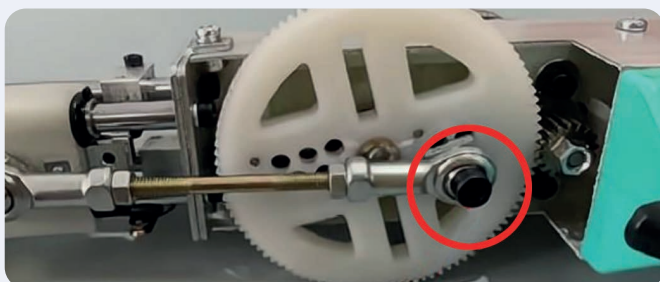


(Figure 12)

Adjust Braking Set

Brake positioning needs to be adjusted when the pile height is adjusted:

1. Turn the bearing rod to the back end. (Figure 13)
2. Make the stopper protrusions (Structural Drawing 28) overlap the black brake pads (Structural Drawing 29), and the two contact points on the brake pads stick together. (Figure 14)



(Figure 13)



(Figure 14)

Backing Line and Front Pile Parameter List

1st Group Positioning Hole	Distance Between Scissor Mouth & Needle Hole	Distance Between Bow & Needle Hole	Distance Between Spot Strip & Scissors Blade
9mm	17-18mm	3-4mm	10-11mm
11mm	18-19mm	3-4mm	12-13mm
13mm	20-21mm	3-4mm	14-15mm
15mm	22-23mm	3-4mm	19-20mm
2nd Group Positioning Hole	Distance Between Scissor Mouth & Needle Hole	Distance Between Bow & Needle Hole	Distance Between Spot Strip & Scissors Blade
8mm	16-17mm	3-4mm	9-10mm
10mm	17-18mm	3-4mm	11-12mm
12mm	19-20mm	3-4mm	12-14mm
14mm	21-22mm	3-4mm	15-17mm
16mm	25-26mm	3-4mm	20-21mm

