

Automatic Cable Tying Machine 580A

COMCAST GROUP



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Regular Information

Product name: Automatic cable tying machine

Product model: 580A

Product purpose:

The machine is a hand-held, free climbing and cable quick attached tool, with internal placement of components such as controllers. The tool could automatically complete all steps of cable strapping and could be widely used in the field of communication engineering working at height, to replace traditional manual attached strapping cables.

The machine is mainly composed of five parts: body, special coil, battery, remote control and hand-held lever.

1. High working efficiency

In the same working environment, it's five times as much as traditional manual work and can work for 10 hours. It independent on the external circumstances and objective factors as well as suitable for all kinds of complex cable tying. Efficiency is greatly improved, and labor intensity is reduced.

2.High safely

It is electrically insulated from the high voltage of 10 KV. Avoid to the traditional climbing ladder, pulley and other aerial work. It can improve the safety coefficient of operating personnel and reduces safety accidents, which can ensure the safety of personnel.

3.Easy operation of the equipment

Simple and convenient remote control, it can be operated by one person independently, which reduce the use of labor force. Because of it can easy to be understand, quick to be used, the different cultural levels and different age groups of workers wide use it.

4.Easy to carry

In the traditional construction process, it is necessary to carry the large-scale tools of ladders and some vehicle. As well as three persons can complete the work at least. The machine has the advantages of small size, light weight, detachable packaging, carry conveniently, which reduce the working time, at the same time, it can improve working efficiency.

Technical parameters:

Product model: 580A

Weight: 9 KGS

Tying range: 5-58mm

Iron wire diameter: 0.85mm

Tying length/knot: 700-750mm

Knot/battery: 1500 knots

Voltage: 12.8V

Tying time: 0.8s

Charging time: 1.5 h

Battery capacity: 6600 mA/h .one battery can work more than 1500 times, about 3 km attached.

Insulating rod: It can insulate the voltage of 10 KV, it consists of glass fiber reinforced plastic epoxy pipe. The length is 1.2 m.

Coated wire: 110m per roll, once tying length of 700-750mm once with attached to 2KM.

Remote control: The distance is 20m, it still effects through the tall wall.

Standard Accessories:

- 1pc of Cable tying machine
- 2pcs of battery
- 1pc of charger
- 2pcs of coated wire coil
- 1pc of Sharp Nose Pliers
- 2pcs of Allen Wrench
- 4pcs of insulating rod
- 2pcs of remote control

Operation Instruction.

I. Take out the insulator of the battery and charge the unused lithium battery for 1.5hours before using the machine. While the charger green light is on and the red light is off, the battery has been fully charged. Insert the battery into the relevant handle position of machine. Turn on power switch, and the indicator light (red light) will on with buzzer, which means the machine is on.

II. Rotate and remove the six-hole circular cover of the fixed wire plate in the middle of the fuselage, In the power-on mode, Put our customized wire coil into the machine.

III. Take out and straighten the end of the wire (approx. 10-15cm), and slowly insert the wire into the plastic mouth, until it is blocked. Put the wire coil cover back and lock the lock buckle.

Attention: the wire would fail to be sent if the end of the wire is not straightened.

IV. Hold the wire with two fingers and push it forward. Press the trigger and send out the wire. Attention: keep your hands away from the jaw when tying

V. Take out the high suitable insulation rod, and connect with the battery insulation rod

VI. 6. Lift the fuselage and select the right line for construction.

VII. Put all the cables that need to be bundled into the binding grooves.

VIII. The construction personnel press the remote-control switch, and the attached machine will to the automatic spin, hinge tightly and cutting off.

IX. Press the second operation after one operation, do not continue to operate many times, in case of the two-wire entangled together.

X. After you hear the machine beep for a long time, please restart the power and the machine will restore to working condition.

XI. The wire guiding block is quick-wear part, so it is needing to be adjusted if necessary. Loose the screw and adjust it to proper position (see figure2). The proper diameter of the knot circle is 83 85mm.

XII. Torque Adjusting (see figure 3). Adjust torque when the knot tightness is

improper. Press the “+” button to increase the torque when the knot is loose (the factory setting is 10th level). The buzzer sounds according to the related level, e.g. there are 4 buzzer sounds when the torque is on 4th level. Press “-” button when the knot is too tight (the knot is easy to be broken).



figure 2

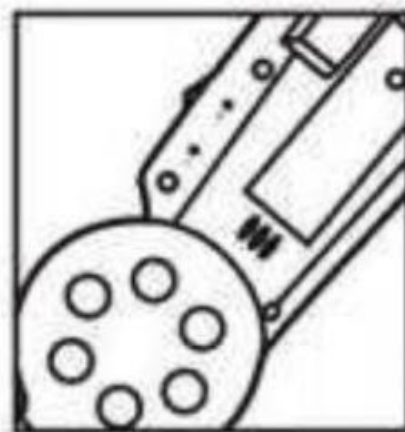


figure 3

Trouble Shooting.

Problem	Causes	Solution
Turn on button doesn't work and machine cannot be opened	1.The battery is over-used or damaged 2.Failures of motor or circuit board 3.The battery is not insert or inserted tightly	Change battery or install battery again after it is fully charged. If still failed, send the machine to professional maintenance personal for repair
Motor works, but no wire comes out	1. Without wire coil or install non-designated wire coil 2. The end of the wire is not straightened	1. Insert designated wire coil 2. Straighten the end of the wire
The machine doesn't work	1. Low battery 2. The gearing is jammed 3. Failures of motor or circuit board	1. Fully charged the battery 2. Open the gearing and take out the stuff
The wire fail to be cut off	Wear of the wire cut blade or wire guiding block	Change the wire cut blade or wire guiding block
Wire shifting: the wire is not in the right place of the jaw, which leads to tying failure	The jaw is blocked, which will cause intervention of wire track. As a result, the wire does not come out in the right place.	Adjust the tying angle and clean the obstacles in the wire track, so as to eliminate all interference
Charger indicator light off	The charger failures	Replace it with a new charger
Buzzer Alarm	1. the machine does not be used after turn on the power switch over one minuter 2. Run out of the battery.	1.Switch off and restart the machine 2.Fully charged the battery or change the battery

Maintenance.

1. Please regularly inspect the machine and keep the jaw and other place clean.
2. When you have finished tying wires or when the machine will not be used for while, switch off the machine, remove the battery pack and put it into the original package.
3. Please regularly replace the wearing parts, such as wire guiding block and blade

After-sales Service

Three months guarantee or guarantee of 100000 times from delivery (depends on the earlier arrival), with 3 months guarantee for the battery (not including the damage caused by using non-designated wire coil, charge and battery). Damages caused by man-made or natural disasters are not included. Wear parts such as charger, wire cut blade, wire guiding block, Sharp Nose Pliers and Allen wrench are not included.

Safety Instructions.

1. To avoid severe personal injury or property damage, read the manual carefully before using the machine.
2. Don't allow children near the machine
3. Keep fingers and body parts away from the jaw and curl guide at all time
4. Don't use the machine in the rain. Place the machine in the dry and clean environment without corrosive gas when not in service
5. Keep the battery away from heat and flames. Please use our designed charger.
6. Stop using the machine if the battery is bulging
7. Switch off the machine when the buzzer alarm, and use the machine after troubleshooting.
8. Switch off the machine and remove the battery before checking and repairing the machine.
9. Wear safety helmet while operating the machine.
10. Not allowed operating in the outdoor of thunderstorm weather.

Special Remarks.

1. It is normal to find scratches on the arm of the machine, which are caused by machine testing.
2. When the wire is used up, pull out the rest wire along with the wire coil. Don't cut the wire directly, or the machine will get stuck. If the wire could not be pulled out, check if the wire cut blade was clamped, and revolve the jaw with diagonal pliers to pull out the wire.