

Operation manual & parts list for

CORDLESS ROUND KNIFE  
AC SERVO DIRECT DRIVE

***Model Zorro 110 Free***



 ***texi***

## GENERAL SAFETY PRECAUTIONS

To minimize the risk of fire, electric shock, or injury, observe the following precautions:

- Keep the workplace clean.
- Pay attention to the knife's work environment; do not subject it to atmospheric conditions.
- Do not operate in rooms that are dusty, where aerosols are sprayed, or to which oxygen is supplied.
- Keep the workplace well lit.
- Be careful of danger of electric shock.
- Always switch off the knife before you start to replace the battery.
- Always switch off the knife and take out the battery before you start to replace blade or grinding stone.
- Pay attention to clothing. Let-down hair or loose clothing can be caught by the knife's mobile elements.
- Take care not to turn-on the knife accidentally.
- In case of even the slightest damage, always check if the damaged part requires replacement.
- Never install on the knife attachments and accessories other than those recommended by the manufacturer and supplier.
- Do not perform knife modifications independently.
- Do not leave near the knife unattended bystanders or children.
- After finish work switch off the knife and remove battery.
- During the work protective guard must be on correct height. After finish work protective guard must be on its lowest position (which covers blade on the whole surface).
- When the charger is not in use, disconnect it from the power grid.

### Electric installation of the charger

Check if the supply voltage in the electric socket corresponds to the data on the charger 1-phase voltage 230V 50Hz.

Check the correctness of electric connections in the plug and electric socket, **observing electric shock safety countermeasures.**

Do not use extension power cords, if you need to use one choose only high quality safe product. Apply the valid electrical and Industrial Safety norms.

Use only original batteries dedicated to this knife.

### Before starting work

Using knife without any of the safeguarding parts (guard) is forbidden as dangerous to an operator.

During work, only the items necessary for operating should be found on the work table.

Do not touch any of the machine's mobile elements during its operation.

### Turn knife off before: replacing battery.

**Turn off knife and remove battery before: replacing blade and other operation which needs mechanical tampering.**

If you notice any abnormalities in the knife's function, turn it off immediately and inform a mechanic or your superior. After finishing work, turn the knife off and remove battery.

**This product is not a toy!**

We hope that you will use this knife with pleasure for a long time.

## Technical specification

Knife Size	Diameter 110 mm
Cutting height	32 mm
Max Power	150 W
Noise	<55dB
Weight	1,5 kg
4 speed	800, 1000, 1200, 1600 r.p.m.
Battery capacity	2500 mAh
Voltage	16.8V

Set with 2 pcs of 8-curves knife blades, diameter 110 mm.

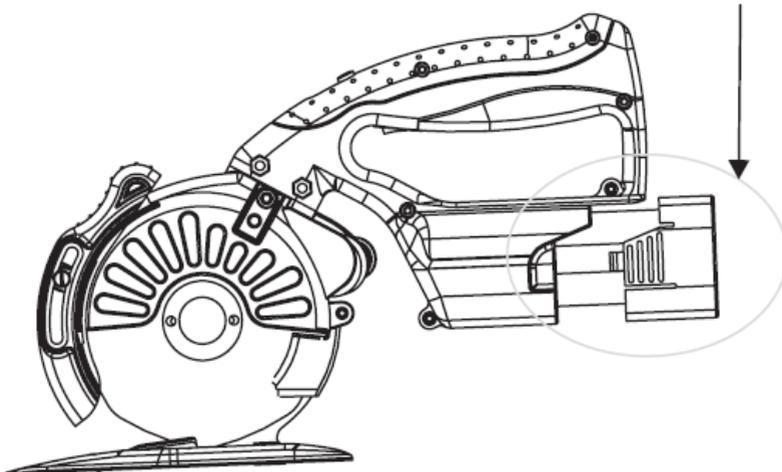
Set with charger + 2 accu .

## Battery installation

**CAUTION:** Before installing lithium battery into the cutting machine make sure that power switch is off (position marked as "0").

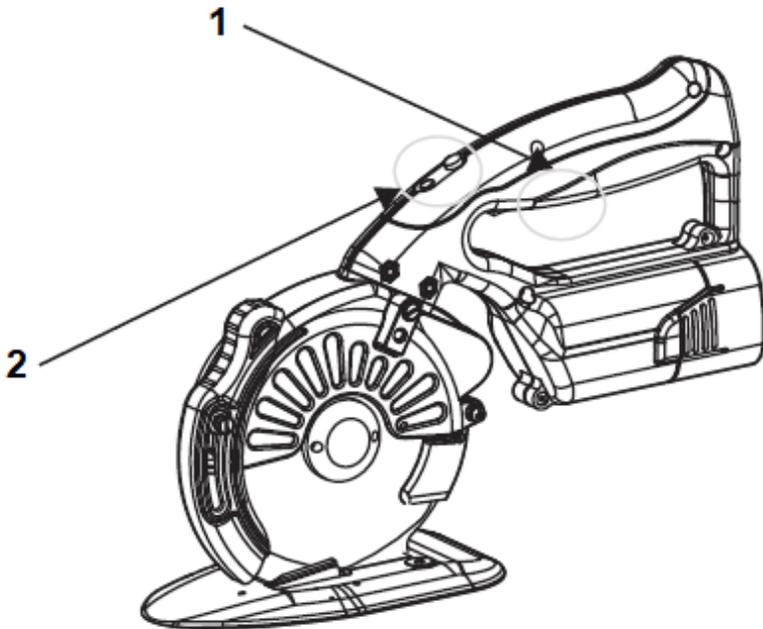
**Power must be switched off during the whole operation, also when battery is removed or replaced!**

1. Install the lithium battery into the battery slot located in the rear part of the cutting machine (drawing below).
2. Pay attention for the correct position (direction) of the battery while it is inserting to the slot.
3. Push battery until you will hear click sound, it means that battery is safely locked.



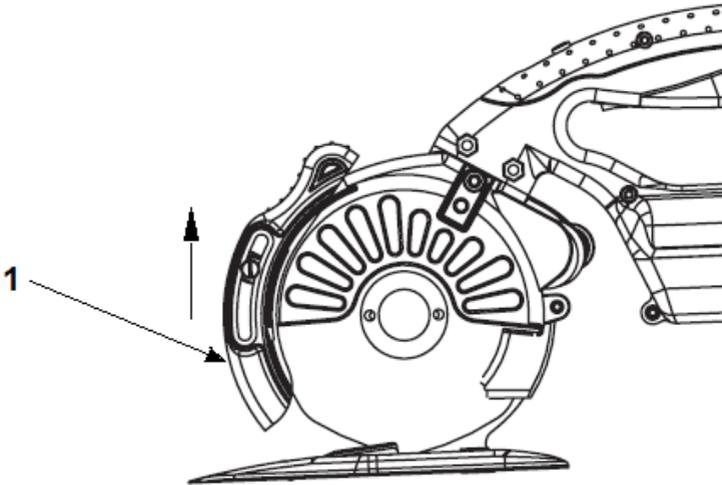
## Basic operations

1. The power switch is located below the handle (1). Power switch activates blade - be careful not to switch it on by mistake. Switch on the power only when your working area including material for cutting is well prepared and you are ready to start the work.  
When power is on, red light (2) on the upper side of the handle will be on as well.
2. Speed adjusting.  
Cutting machine TEXI Zorro 110 Free can work at 4 different speeds:  
800, 1000, 1200, 1600 r.p.m.  
To choose required speed use multifunctional button (single press) which is located on the top of the handle (2).
3. LED light.  
To activate the LED light press continuously (for about 3 seconds) multifunctional button (2). The same should be done to switch off the light.



## Cutting

1. Prepare working place properly as well as material which you are going to cut.
2. Adjust height of the front protective blade guard (1) by pushing it up. Be sure that guard is on the height which allows you to cut required layers of material, but still covers the blade on the rest of the surface. NOTE: power must be switched off while adjusting front protective cover.
3. Switch on the power and start cutting. Adjust the knife to appropriate speed and LED light.  
Do not touch blade or any moving parts of the knife when you operate it.



## Charging the battery

Cutting machine is delivered with charger and 2 rechargeable batteries.

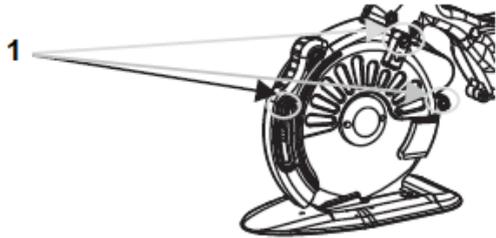
Before removing / replacing battery always switch the power off.

1. Switch off the power button.
2. Remove battery from the slot.
3. Place battery in the charger and connect charger cable to the appropriate power socket (220V).
4. After 120 minutes battery should be loaded. It will be indicated by green light on the charger.
5. Disconnect charger from the power supply.
6. Install battery into the cutting machine (check chapter "Battery installation")

## Blade replacement

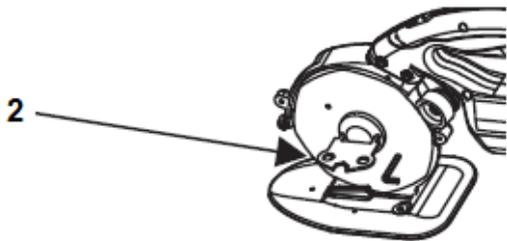
**CAUTION:** Before performing any technical adjustments (e.g. changing the blade, grinding stones etc.), power must be switched off and lithium battery removed from the cutting machine.

1. Remove the three bolts (1) located on the shields and then remove the shield.

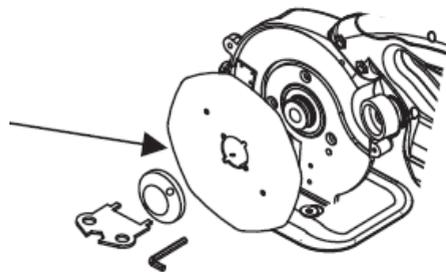


2. Align the positioning holes on the blade with the positioning holes on the back black cover.

Put Allen key into the the positioning hole. Using butterfly wrench (2) unscrew counter clockwise the blade pressure plate. Remove the blade.



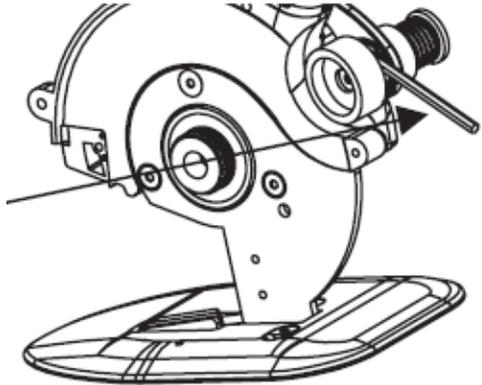
3. Insert a new blade. Proceed all actions inversely.



## Grinding wheel replacement

**CAUTION:** Before performing any technical adjustments (e.g. changing the blade, grinding stones etc.), power must be switched off and lithium battery removed from the cutting machine.

Hold the grinding wheel by your hand.  
Insert the bolt into the positioning hole on the shaft, lock the wheel. Rotate in direction indicated by the arrow. Remove old wheel and replace it with a new one.



### **Inspection and maintenance**

Use only well sharpened blade. Any damage of the blade can affect work performance.

#### **Greasing**

Every 40 hours. Open the cup and give the small quantity of grease through the oil pot.

#### **Sharpening**

Always sharpen the knife when it's blunt.

Run the knife at the lowest speed (800 r.p.m.).

Gently push grinding wheel cup towards the blade and sharpen the knife for 2-3 seconds.

#### **Inspecting the mounting screws**

Regularly inspect all mounting screws and ensure that they are properly tightened.

If any of the screws be loose, retighten them immediately. Failure to do so could result in serious hazard.

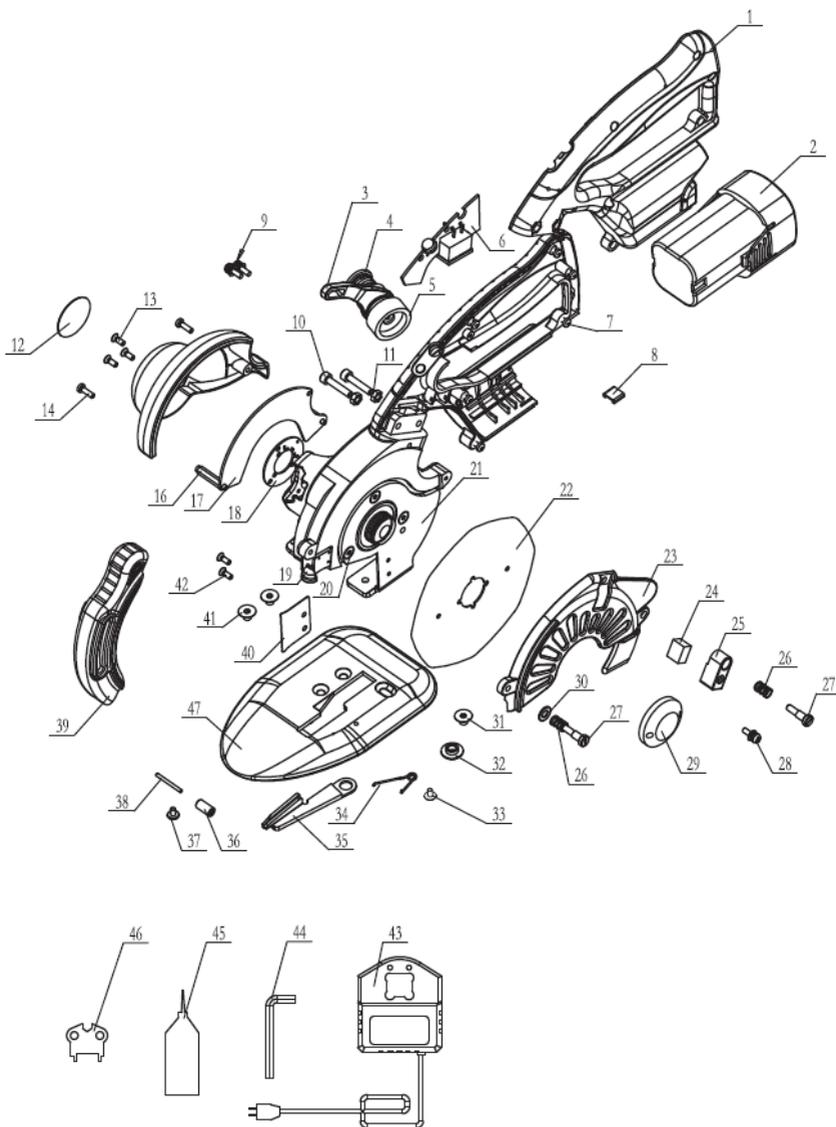
A. Housing loosen handle: When cutting machine is in use, if appear housing loose, tighten 2 pieces MS sunk screw of aluminum base plate.

B. Lower blade loosen handle: When cutting machine is in use, if appear lower blade loose, tighten the base plate fixed lower blade sunk screw, or adjust the lower blade with the included angle of the round blade face, or adjust the lower spring and fastening screw according to demand.

### **Workplace requirement**

1. Workplace should be kept clean. Dust or other pollution can affect work of the knife.
2. The cutting machine should work under the normal temperature (10-45°C), relative humidity should be less than 85%.
3. Before performing any technical adjustments (e.g. changing the blade, grinding stones etc.), power must be switched off and lithium battery removed from the cutting machine, and the red power indicator is off.
4. When machine is not working, blade protective guard must be in its lower position.
5. After finish work switch off the knife and remove battery.

Parts drawing



**Parts list**

1	Handle
2	16.8V rechargeable battery
3	Sharpener frame
4	Pressure spring
5	Grinding wheel
6	Board
7	M3*10 screw
8	Socket connector
9	M4*12 screw
10	Inner hexagonal screw
11	Nut
12	Lab screw
13	M3*8*4 screw
14	M3*10 screw
15	Cover
16	M3*26 hexagonal screw
17	Main PCB board
18	Round PCB board
19	LED light
20	M4*8 screw
21	Inside cover
22	Octagonal knife
23	Shield

24	Oil felt
25	Knife oiler
26	Pressure spring
27	Screw
28	M3*10 screw
29	Blade pressure plate
30	Terminal plate
31	Inner hexagonal screw
32	Nut
33	M3*6 screw
34	Under knife screw
35	Under knife
36	Roller
37	M3*5 Screw
38	Roller shaft
39	Protective knife guard
40	Separator
41	M5*6 hexagonal screw
42	M3*4 screw
43	Charger
44	Allen key (hexagonal)
45	Oiler
46	Butterfly wrench

## CE DECLARATION OF CONFORMITY

Distributor:

Strima Sp. z o.o.

Swadzim, ul. Poznańska 54

62-080 Tarnowo Podgórne, Poland

We declare, that the following product:

Round knife ac servo direct drive

**model Zorro 110 Free**

(RCS-110B)

With this declaration relates, complies with following directives:

Machinery Directive 2006/42/EC

Low Voltage Directive 2014/35/EU

Electromagnetic Compatibility 2014/30/EU

Harmonized standard applied:

EN ISO 12100:2010, EN 62841-1:2015, EN 62841-2-5:2014, EN 60204-1:2006/  
AC:2010, EN 55014-1:2006/A2:2011, EN 55014-2:2015, EN 61000-3-2:2014,  
EN 61000-3-3:2013

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