

DEFENDER

MANUAL ONYX

Congratulations
on purchasing
a rotary machine
ONYX!



Read the instructions carefully before
using the machine.

Specifications



Lengt	86 mm
Weight	79 g
Connector	RCA
Motor power	5 V
Voltage	3-10 V
Rotational speed	10,000 rpm
Motor	Germany
Short stroke	2.36 mm
Designed	in the USA
Warranty and maintenance service	1 year

Purpose

Versatile short stroke machine for a permanent make-up.

Compatibility

Compatible with all standard modular cartridges.

Highly recommended using cartridges with a membrane protecting device from pigment leakage.

The device is compatible with standard power equipment with an RCA cable connection.

Working voltage: 3.5-10 V

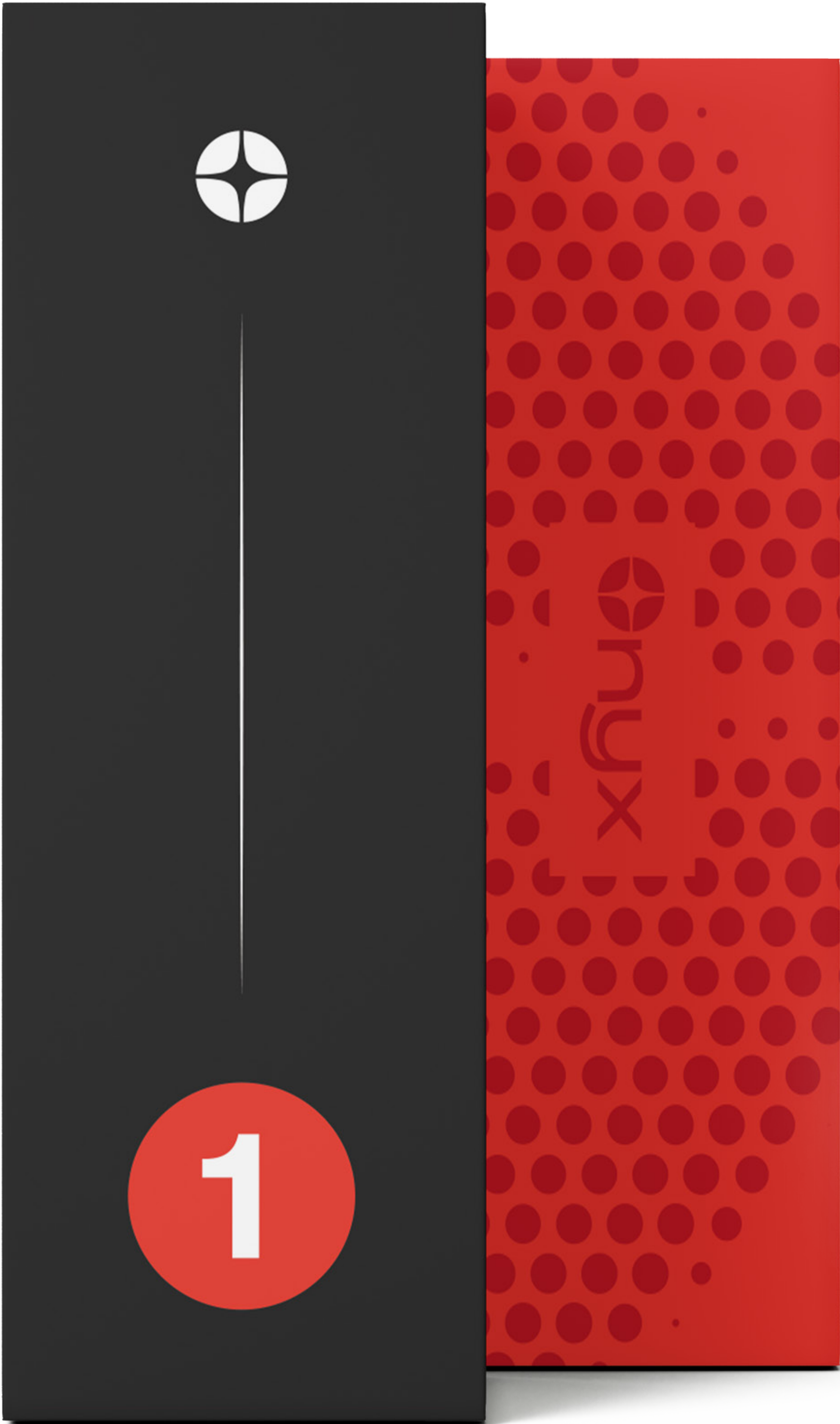
The device not designed to operate at higher voltages.

Short stroke: 2.36 mm

ONYX device is a short stroke device, therefore, in order to avoid pigment leakage, it is highly recommended to adjust the needle stickout to 1-2 mm.

Complement

Device, RCA clipcord,
Friction Stabilizing O-Ring





1 - Motor V10 Max

2 - Swivel holder

3 - Cartridge slot

4 - RCA slot

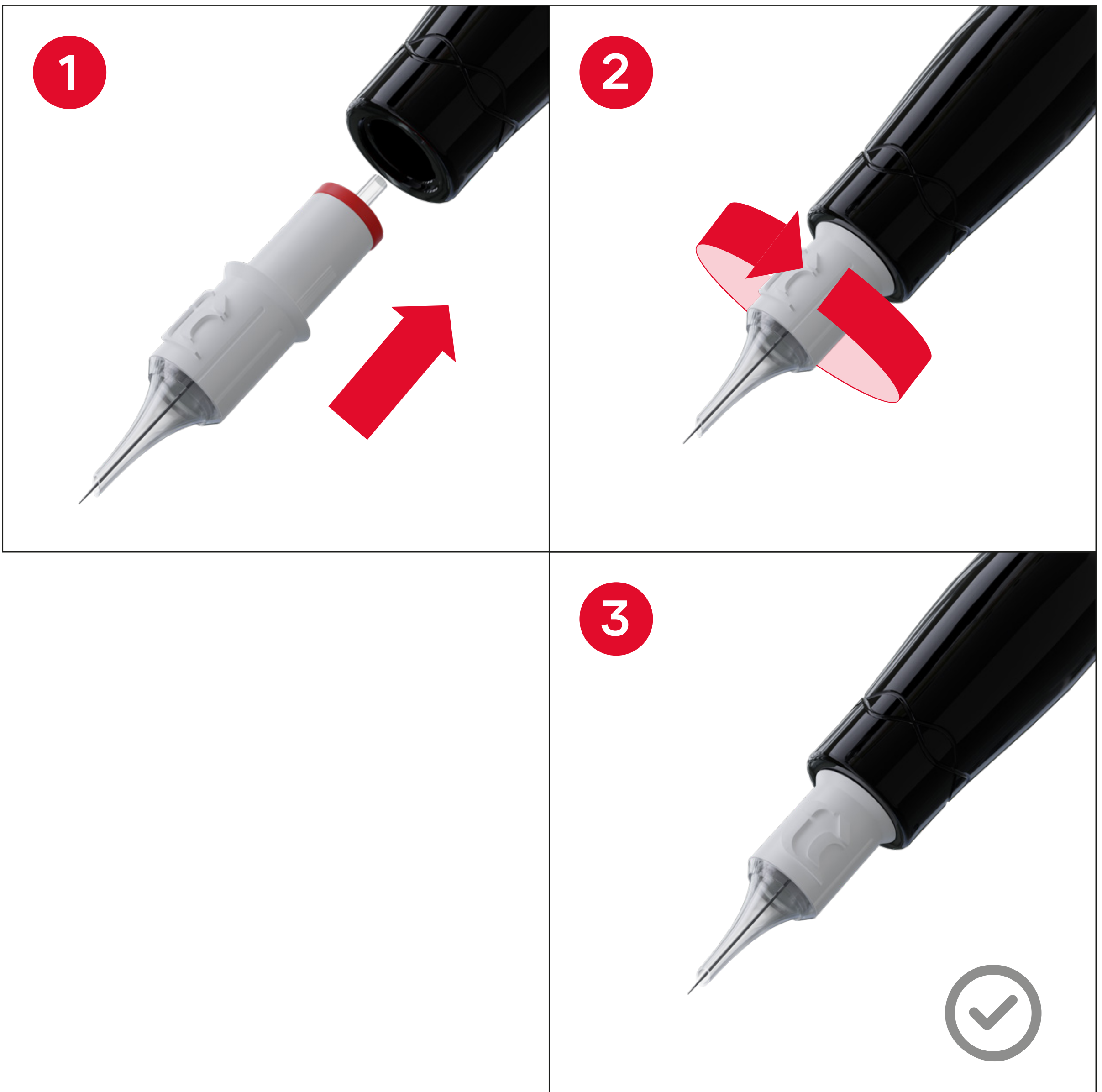
5 - RCA clip cord

6 - Friction Stabilizing O-Ring

7 - Warranty card

Maintenance instruction

1. Attach special barrier protection film to the clipper and RCA cable (5)
2. Insert the modular needle (cartridge) into the slot (3). To secure, turn the cartridge clockwise until the module snaps into place. Different manufacturers of modules have various fitting dimensions, which makes them less likely to fit into the holder.



3. Adjust the needle stickout. It can be adjusted by rotating the rotary holder (2). The ONYX device is a short stroke device, therefore, in order to avoid pigment leakage, it is highly recommended to adjust the stroke to 1-2 mm.



4. Connect device to the power source using the RCA cable (4).



5. Turn on the power supply. Set the voltage on the power supply to 3-7 V, depending on the needle configuration and working technique. Do not exceed the maximum voltage of 10 V.

6. Set up device for smooth, quiet operation by adjusting the needle stickout (2) and voltage. All settings are individual and depend on the power unit, application area and work technique.

■ Do not turn the device over in the process of work. The device is not designed for this and will emit crackling and atypical sounds.

Service

Keep the device clean.

Before and after each use, remove all possible dirt by wiping the machine with a special disinfectant.

Remove Friction Stabilizing O-Ring every 4-6 months and apply some amount of oil on the thread on the device. Use a special oil for rotary or sewing machines is.

If necessary, replace the O-ring with a new one (2 spare O-rings are supplied with the device).

Safety

Use cartridges with a membrane protecting device from pigment leakage. Always use disposable sterile needles and rubber gloves. Always use wraps or any kind of protector on your device and RCA cable.

The manufacturer does not have responsibility for contamination, infection and any kind of material damage of the customer caused by negligence or misuse of the machine or its components.

Sterilization

In order to sterilize the device, unscrew the holder and place it inside of an autoclave with an ultrasonic bath or oven.

Do not store the holder in a dry oven at temperatures higher than 100 ° Celsius (73.15 ° Kelvin, 212 ° Fahrenheit): this will lead to the change of colour.



Holder

Sterilizing the entire apparatus in an autoclave, ultrasonic bath or dry oven will damage and malfunction its motor.

Do not spray or pour disinfectants onto the device, to avoid leakage on the motor of the device.

Use cotton pads or disposable paper towels for this. Submerging the entire device in alcohol or any other liquid will damage the unit and its motor. **Only the twist-off holder can be sterilized.**

Warranty

Device will be covered by a 1-year warranty from the date of purchase.

The warranty covers factory faults and does not apply in the following cases:

- The input voltage exceeded 11 V (the maximum allowable voltage is 10 V).
- The device was damaged due to aggressive non-alcoholic antiseptics.
- The device was damaged due to mechanical damage, falling and hitting a hard surface.
- The device has signs of corrosion.
- The device was used for improper purposes (i.e. not for permanent make-up and tattooing).
- The device was completely immersed in alcohol or any other liquid (except for the twist-off holder).
- The device was completely immersed in an autoclave, oven or ultrasonic bath (except for the twist-off holder).
- The device was disassembled or underwent self-repair (without the manufacturer's permission).
- The device or its components have been changed.

What should I do if the machine makes strange noises when it's turned over (cartridge side up)?

As with any other technology, each motor has its functional purpose and was designed for this purpose only. As none of the methods of permanent make-up involves working from the bottom up, ONYX device is not adapted for such manipulations.



! Please do not turn the device over in the process of work.

What can I do in case of malfunction of the device?

Send an email to **service@defenderrsupply.com** with a description of the problem. Please, attach a video to the letter in order for us to make primary diagnostics and find a solution. Estimated response time is 3 business days.

Keep your receipt and warranty card for one year after purchase.

Can I get my machine repaired after the end of the warranty period?

You can send the device for diagnostics and repair at your own expense. Send an email to **service@defenderrsupply.com** with a description of the problem to find out the exact cost of the repair. For a more efficient solution to the problem, attach a video to the letter so we can make a primary diagnostic.

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