



PLENILUNE UI

Wireless Machine Pen

USER MANUAL



CE



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SAFETY NOTICE



CLASS III SYMBOL

A **Class III** appliance is designed to be supplied from a separated/safety extra-low voltage (SELV) power source. The voltage from a SELV supply is low enough that under normal conditions a person can safely come into contact with it, without risk of electrical shock. The extra safety features built into **Class I** and **Class II** appliances are therefore not required. For medical devices, compliance with Class III is not considered sufficient protection, and further more-stringent regulations apply to such equipment.

TECHNICAL DATA

Operating Voltage:	3-12V
Current:	0.5A
Needle protrusion:	0.0 - 4.0 mm
Stroke:	2.0 - 3.5mm
Connection:	TYPE-C port with 5V charger
Motor model:	Coreless motor (Dimension: 17*22)
Speed:	11500RPM
Operating Mode:	Regular, Intermittent, Gradual, Dot
Ambient Temperature:	+10 to +35 °C
Relative Humidity:	30 to 75%
Dimensions (Ø X L):	25.5 x 130mm
Pen Weight:	Approx. 102g
Battery:	850mAh
Charging Time:	2 hours
Working Time:	4-6 hours

BARRIER PROTECTING YOUR MACHINE

Although the grip is autoclavable, we strongly suggest the use of barrier products to protect your machine. For a visual demonstration of many barrier protection methods, please visit our YouTube channel @biomaserofficiala.

This machine is not to be used by persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge. Keep machine out of reach of children without parental supervision.

MACHINE OVERVIEW

PLENILUNE
U1Unleash your
Power

Note: Do not turn the machine upside down and operate it without the needle installed, otherwise it may affect the service life of the machine.

Recommended operation: Turn on the machine after installing the needle.

THE GRIP



PLENILUNE-U1 Grip



Autoclavable Ergonomic Grip Design



Compatible with most tattoo cartridges on the market

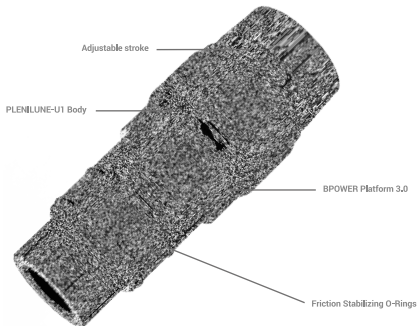
THE GRIP

The PLENILUNE grip allows artists ratcheting control over needle depth. The standard Grip has a diameter of 20mm. The Grip is crafted from a solid rod of 6061 T6 aircraft-grade aluminum. This polished and anodized grip is safe to be sterilized under steam, in an autoclave or sprayed with cold sanitation solutions.

THE BODY



PLENILUNE-U1 Body



THE BODY

The body is the core of the machine. Constructed from a solid rod of aircraft-grade aluminum, BPOWER Platform 3.0, extreme stability, powerful output. Adjustable stroke. this module should be sanitized by wiping it with cold sterilization solutions only.

Caution: Avoid getting fluids into the housing

DETACHING THE BATTERY



PLENILUNE-U1 Battery

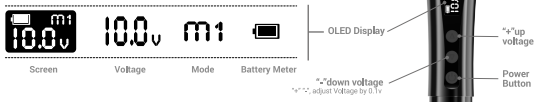


DETACHING THE BATTERY

To detach your battery, ensure you have a firm grip on the Body and Grip. Turn the battery counter clockwise to attach the battery, push in while twisting clockwise. Ensure that locking mechanism moves freely. The battery must sit correctly to ensure that the power leads align. Avoid contact with the battery leads while recharging or servicing.

Changeable Wired power supply mode RCA Connector.

CONTROL MENUS



Battery power: 3 bars = 100%, 2 bars = 65%, 1 bars = less than 25%.

When the battery power is **less than 5%**, flashes.

Charging: When the device is turned on, connect the Type-C port to charge, the power **flashes**, and other displays remain unchanged.

When the device is turned off, connect the Type-C port to charge, the **full-screen power display flashes**, and the function cannot be used.

After discharge test: 9V can support ≈2.6 hours of work. 5V can support ≈5 hours of work

Note:

- ① For best results, please use the provided charging cable.
- ② It is recommended to **fully** charge the battery before use.
- ③ If the device cannot be turned on for the first time, please charge it for 3 hours before turning it on.
- ④ If it is not used for a long time, please charge it once a month to avoid battery damage.

ON&OFF: Long press for 2 second startup.

STOP&START: Short press the power button to stop/start

INTERFACE CONVERSION: Consistant press button twice under the pause situation to change the interface (M1, M2, M3, P)

MODE INTERFACE:

- M1-Regular Mode - the needle will keep moving
- M2-Intermittent Mode - the needle will go and stop regularly, which allows starters to clearly know the effect and adjust in time.
- M3-Gradual Mode - tthe line color will gradually change from dark to light, which helps starters finish the gradual color of pattern better.
- P-Hitting Mode - the needle swiftly prick, whose speed and force are adjustable, which make it easy for starters to do hair stroke and misty eyebrow.

AT P-HITTING MODE: Switch from P5-P9 level in pause state by short press Switch the frequency by “+” button in the working state.

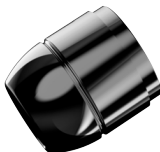
TYPE-C CONNECTION



PLENILUNE-U1 Battery



TYPE-C Connector
5V charger



With RCA Connector
(sold separately)

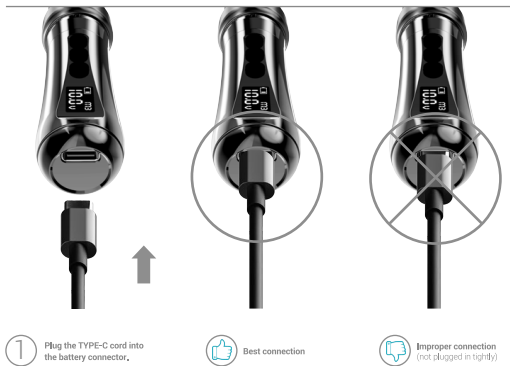
TYPE-C CONNECTION

This connecting terminal is compatible with most TYPE-C cables on the market. We recommend you use the included cable for recharging the battery.



TYPE-C cord

CHARGING YOUR MACHINE



HOW TO CHARGE YOUR MACHINE

Plug the provided TYPE-C cable into the connector on the back of the battery. Make sure the cable is properly seated and fully inserted into the battery. The battery will not operate while charging. The TYPE-C connection is only for charging the battery.

ADJUSTING NEEDLE DEPTH

Increases needle depth

Decreases needle depth

ADJUSTING
NEEDLE
DEPTH

To adjust needle depth, hold the machine body and battery while turning the Grip. A counter clockwise turn decreases depth, while a clockwise turn increases depth (also known as needle hang). Each time you turn the grip you can feel the feedback of the ratcheting mechanism. Each "click" displaces your needle $\approx 0.2\text{mm}$ and allows you to set your needle precisely without involuntarily turning.



Turning the grip as shown increases needle depth.



Turning the grip as shown decreases needle depth.

ADJUSTING STROKE

ADJUSTING
STROKE

6 strokes to choose. In order to adjust the stroke, we divided the central ring district into two parts: the upper ring and the lower ring. When we increase the stroke, the upper ring twists to the left and the lower ring twists to the right. On the contrary, the stroke decreases. It is easy to find and choose the stroke you prefer.

2.0mm|2.2mm

Suitable for gentle shading, careful tattoo working on sensitive body parts.

2.5mm|2.8mm

Provide the perfect balance between lining and shading and is the all-rounder.

3.1mm|3.5mm

Great balance between lining and color packing.

6 strokes to choose



ADDITIONAL INFORMATION

VOLTAGE PARAMETERS

While voltage is a parameter that will vary from artist to artist, this machine has been tested to operate at a minimum voltage of 3 Volts and a maximum voltage of 12 Volts. Depending on the type of needle configuration or brand you use, feel free to adjust the voltage to obtain the desired performance.

ACCEPTED NEEDLES

Use only cartridge needles with an internal membrane. This will avoid accidental contamination inside your machine. Fluids such as ink, water or oil will void warranty of the device and may require replacement of internal parts.

MAINTENANCE

- PLENILUNE-U1 is sold pre-lubricated from the factory and does not need internal lubrication.
- Prevent any type of external elements from entering inside the machine as they will disrupt the motion of the component and contaminate lubrication.
- The grip of the machine is autoclavable. Use only steam autoclaves at temperatures no higher than 270° Fahrenheit or 132.222° Celsius. Add a hint of ointment or PTFE grease around internal opening of grip or on stabilizing friction O-rings for optimal functionality after autoclaving. Refer to page 5 for additional information.
- Machine Body and Battery can be sanitized from the outside with cold sterilization products.
- Never spray the surface directly to prevent fluids from entering the machine. Always use pads or disposable paper towels to apply sterilization products.
- DO NOT DISASSEMBLE MACHINE.

WARRANTY

- One year warranty from the date of purchase.
- Motor warranty is void if motor shows signs of being dropped, of internal fluids entering the motor, and/or if motor shows signs of being tampered in any way.
- DO NOT DISASSEMBLE MACHINE

ADDITIONAL INFORMATION

HANDY TIPS

The following tips will help you get the most out of your Plenilune-U1 and avoid potential issues:

- Always secure your machine. Dropping the machine can cause damage to the magnets, bearings and brushes of the motor.
- Use only cartridges with membranes to avoid contamination.
- Rinse your needle frequently to avoid pigment drying up and slowing down your cartridges. When rinsing your needle, ensure to dip only the tip of the cartridge to avoid back flow of fluids.
- Inspect your needles prior to use.
- Avoid scratching the surface of the embodiments.
- Use only FDA-approved cold sterilization solutions for disinfection.
- Do not lubricate machine unless instructed otherwise.
- Store your machine in a secure place.

TROUBLESHOOTING

1.- Machine manufacturer

Hunan Biomaser Technology Co.,LTD
Room101, Qingshan Village, Qingshanpu Town, Changsha, Hunan, China

2.- Servicing your machine

Problem as follows are not covered in warranty:

- Damages due to wrong installation or operation.
- Incorrect personal maintenance, change or modification of the machine.
- Damages due to water, accident or natural disaster.
- Superficial damages which do not interfere with the normal operation of the machine.

3.- Warning

Disconnect machine from any power before making any adjustments.

If you have any questions about the machine please contact the dealer in time.

For additional tips and tutorials, please visit Biomaser's  @biomaserofficial