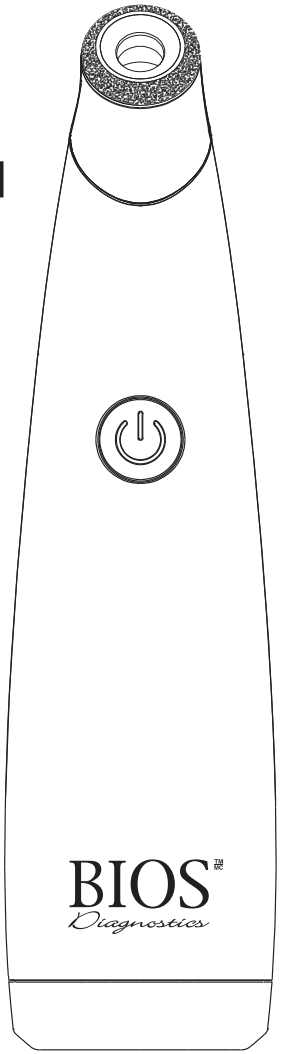
BIOS™
Diagnostics

MICRODERMABRASION
Kit

Instruction Manual
Model: MD100



biosmedical.com

05/02/2025

Microdermabrasion Kit Instruction Manual

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1. Introduction

Thank you for purchasing the BIOS Diagnostics™ Microdermabrasion Kit. This device has been developed with minimally invasive facial skincare in mind. It combines exfoliation, cleansing, and massage into 1 device. This device should only be used as outlined in this document. This manual is a comprehensive guide designed to help you understand the capabilities and operation of the MD100 Microdermabrasion Kit. Before using this device, carefully read this manual for setup, configuration, use, troubleshooting, and maintenance of the device.

1.1 Indications for Use

The BIOS Diagnostics™ Microdermabrasion Kit (MD100) is intended to remove skin aging keratin buildup, blackheads, oils, and cosmetic residue, as well as lift and firm skin. The device is intended for use on facial skin, by adults in an at home environment.

1.2 Features

- For healthy, glowing skin
- Non-chemical skincare suitable for most skin types
- Minimally invasive procedure for cleansing pores, and reducing fine lines, wrinkles, and hyperpigmentation
- 4 interchangeable tips – 1 x exfoliation, 3 x suction
- 3 suction levels – low, medium, and high

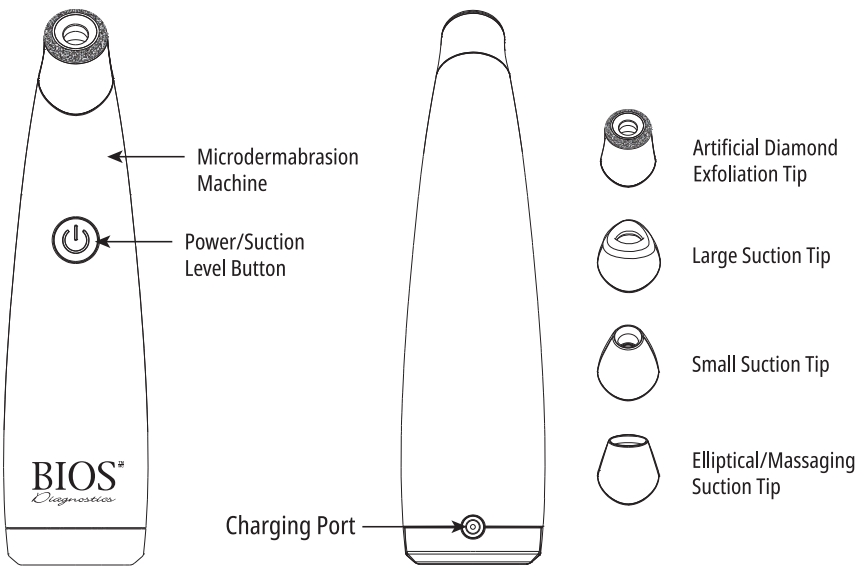
1.3 General Warnings & Cautions

- Any uses other than those clearly stated in the indications for use and throughout this manual are strictly prohibited, and may cause damage to the machine or the human body. The manufacturer and/or distributors are not liable for damage caused by improper or incorrect use.
- The supplied USB cable should only be used to connect the machine to the adapter. Not for any other purpose.
- When charging, connect the USB cable to the provided easy-to-plug adapter so that you can quickly disconnect it from the power source if required.
- **Do not** use the machine, USB cable, or adapter, if they are damaged or defective.
- **Do not** attempt to repair any component or accessory yourself. This will void the product warranty.
- The device is not waterproof. **Do not** immerse the machine in water or rinse under running water.
- Always turn the machine off when you are not using the device, or when you intend to clean it.
- Keep all parts of the Microdermabrasion Kit away from open flames and hot surfaces.
- **Do not** use the Microdermabrasion machine on the eye lids, inside the eye orbit, around areas that contain inflammatory acne, or areas that have rashes or wounds.
- Stop using the device immediately if you feel any discomfort or develop any abnormal reactions such as itching, uncomfortable inflammation, or scratches.

- Keep the device and tip moving evenly over the skin when in use. **Do not** leave the machine focused on one spot of your skin for more than 2 seconds at a time.
- Users with impaired physical, sensory, or mental capacities, or lack of experience and knowledge of similar machines, should only use this device under the supervision of a guardian/aid.
- If you are not cautious when opening the packaging with a sharp knife or other pointed object, you may damage the microdermabrasion machine. Be very careful when opening all levels of packaging.
- Before using the device, check to make sure all components are included and are undamaged.

2. Getting Started

2.1 About the Microdermabrasion Kit



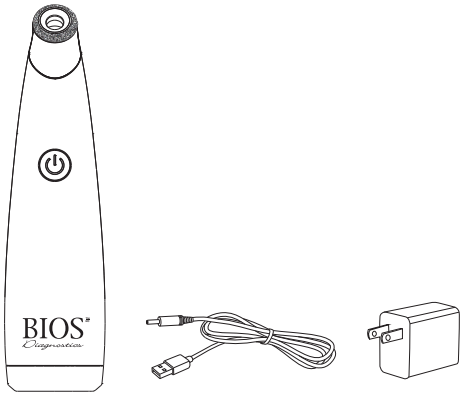
3. Initial Set Up

3.1 List of Components

- Microdermabrasion Device
- Artificial Diamond Exfoliation Tip
- 3 x Suction Tips
- Pouch
- Cleaning Brush
- 30 x Filters
- 5 x Rubber Gaskets
- USB Cable
- Adapter

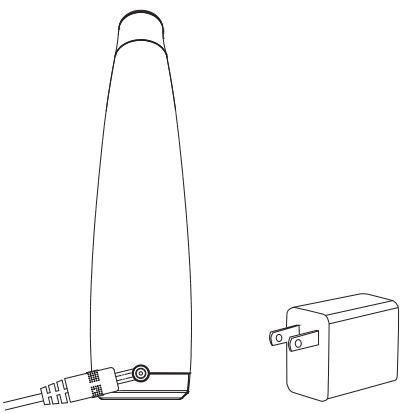
3.2 Charging the Battery

Reminder: Before charging ensure that all device parts are readily available (microdermabrasion device, USB cable, and power adapter).



Before using the device for the first time, make sure that the unit is fully charged.
Using the included parts, follow the steps listed below to charge the device:

- Connect the small round end of the charging cable to the charging port on the back of the device.



- Connect the larger USB end of the charging cable into the USB port of the adapter brick.
- Plug the power adapter into an outlet.

During charging the indicator light will be red. Once fully charged the indicator light will become blue.

NOTE: The microdermabrasion device should not be used while charging. The device will not power on during charge.

Reminders:

- When the device's battery power is low, the indicator light becomes red and starts to blink. Recharge the machine as soon as possible.
- When the battery voltage is low, the indicator light will flash red, and the device will emit a beeping sound. The unit will then automatically shut down.
- When charging, only use the original USB cable supplied with the machine.

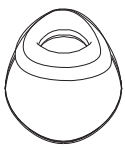
4. Using the Device

4.1 Choosing the Right Tip

Use the following information to select the appropriate tip for your desired use:



Artificial Diamond Tip:
The artificial diamond tip is used to help effectively remove dead skin cells and promote cell regeneration and blood circulation.
This tip should be used for exfoliation treatments.



Large Suction Tip:
Suitable for face areas with more blackheads such as nose, forehead, or chin.
This is one of the tips that should be used for pore cleansing treatments (blackhead removal).



Small Suction Tip:
Suitable for smaller areas that are difficult to reach, such as around the eyes, nose, and lips.
This is one of the tips that should be used for pore cleansing treatments (blackhead removal).



Elliptical/Massaging Suction Tip:
Suitable for daily massaging to lift the skin, and aid in increased skin firmness.
This tip should be used for daily lifting massage treatments.

NOTE: The larger the tip size, the more suction is produced. Choose the tip size/ suction level according to your own situation.

4.2 Installing/Removing the Tips

Use the following information when you are ready to install or change the tip on the microdermabrasion device:

- Ensure that the device is turned off, and is unplugged.
- Hold the bottom of the microdermabrasion device with one hand.
- Using the other hand, grab the tip, and pull it off of the main unit.
- To replace with another tip, select appropriate tip. Ensure that the cutout on the inside of the tip aligns with the raised notch on the device housing.
- Press the tip onto the device so it securely aligns with the main unit.
- Ensure that the tip is firmly in place before use.

4.3 Choosing the Right Suction Level

Use the following information to select the appropriate suction level for your desired use:

Low Suction: Suitable for sensitive and/or delicate skin types.

Medium Suction: Suitable for normal skin types, with less blackheads and/or oil secretion.

High Suction: Suitable for oily and mixed skin types, with larger pores and blackheads.

4.4 Selecting the Suction Level

When ready to use the device, use the following information to turn the device on, and select the appropriate suction level.

- Press the **Power/Suction Level** button to turn the microdermabrasion unit on.
- The device will automatically enter into the Low Suction mode. This is indicated by the illuminated red light.
- Press the **Power/Suction Level** button a second time to switch the device into Medium Suction mode. This is indicated by the illuminated yellow light.
- Press the **Power/Suction Level** button a third time to switch the device into High Suction mode. This is indicated by the illuminated blue light.
- Pressing the **Power/Suction Level** button for a fourth time turns the device off.

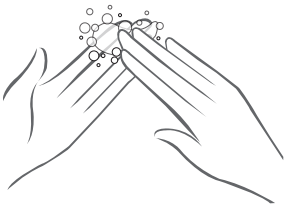
Reminders:

- When the device is running, the unit will emit a beep sound every 30 seconds.
- After the device has run for 210 seconds, a long beep sound (3 seconds) will be emitted, and the device will automatically turn off.

4.5 Exfoliation Treatment

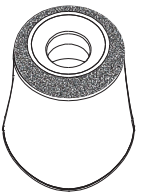
When you are ready to begin an exfoliation treatment, follow the below steps.

1. Wash and dry your face.

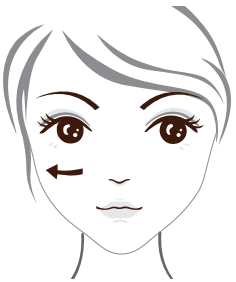


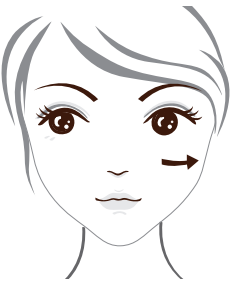


2. Install the artificial diamond tip onto the microdermabrasion device.

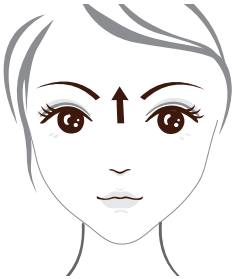


3. Press the **Power/Suction Leve**l button to turn the machine on.
   Select the appropriate suction level based on your skin type and condition.
4. Starting with your cheeks, place the tip on your inner cheek (closest to the nose), and move outwards (towards the ear). Do this until you have covered all areas of your cheeks.





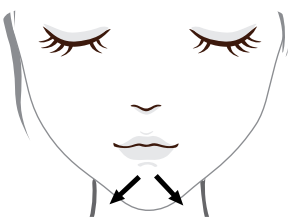
5. Next, move on to the forehead. Starting at the center (between the eyebrows), and move upwards (towards the hairline). Do this until you have covered all areas of your forehead.



6. Moving on to the nose, place the tip at the top (the bridge of your nose), and pull downwards (towards the tip). Do this until you have covered the top, and both sides of your nose.



7. Finally, end with the chin. Working from the top (under the lips), downwards (towards the jawline). Do this until you have covered all areas of your chin.



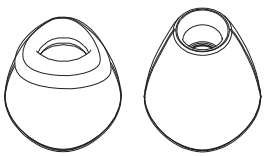
8. Press the **Power/Suction Level** button to turn off the device.

NOTE: You may need to cycle through remaining suction levels first (if applicable) to turn off.

4.6 Pore Cleansing Treatment

When you are ready to begin a pore cleansing treatment (blackhead removal), follow the below steps.

1. Wash and dry your face.
2. Install either the large or small suction tip depending on the area you are planning to cleanse.



3. Press the **Power/Suction Level** button to turn the device on. Select the appropriate suction level according to your skin condition by pressing the **Power/Suction Level** button as many times as needed.
4. Align the tip of the device with the skin area that needs to be cleansed. Apply to skin, and move it gently in one direction (using an out and up lifting motion is ideal).
   Do not leave the tip focused on one area; keep the device moving for the entire duration of the procedure.
5. Press the **Power/Suction Level** button to turn off the machine after procedure is completed.

NOTE: You may need to cycle through remaining suction levels first (if applicable) to turn off.

4.7 Daily Lifting Massage Treatment

When you are ready to begin a daily massage treatment, follow the below steps.

1. Wash and dry your face.
2. Install the elliptical/massaging suction tip onto the device.



3. Press the **Power/Suction Level** button to turn the device on. Select the appropriate suction level according to your skin condition by pressing the **Power/Suction Level** button as many times as needed.
4. Gently move the tip over the skin using an out and up lifting motion. Similar to the exfoliation instructions always start from the inside, and move outwards.
5. Press the **Power/Suction Level** button to turn off the machine after massage is completed.
   NOTE: You may need to cycle through remaining suction levels first (if applicable) to turn off.

4.8 Treatment Reminders

- After using the machine for any of the above treatments, it is normal for the skin to appear slightly reddened. This will subside.
- When conducting a cleansing treatment to remove blackheads, it is recommended to use the large suction tip first. The small suction tip should be used for areas that are particularly sensitive, or not easily accessible when using the large suction tip.
- After a treatment, it is recommended to apply a face mask, or other hydrating skin care product(s) to help replenish the skin's moisture barrier and shrink pores.
- Exfoliation and cleansing treatments are recommended to be done once a week, up to a maximum of twice a week.
- **Do not** conduct a pore cleansing treatment immediately after an exfoliation procedure. This can cause damage to the skin.
- Be cautious to ensure that the device is always in movement when held against the skin. **Do not** leave the device in one spot for more than 2 seconds.

5. Care, Maintenance, & Cleaning

5.1 Cleaning the Tips

1. Remove the used tip from the machine. Gently clean the inner side with the provided brush after each use to remove dead skin cells and debris. Dampen the brush with water as needed.
2. Wipe the outer surfaces of the tips thoroughly with a damp cloth to remove any remaining dirt or grease.
3. Let the tips dry completely before additional uses, or re-installing onto the device.

5.2 Cleaning the Device

Clean the body of the device regularly with a clean, damp cloth. Dry with a different cloth. Ensure that the charging port is not made wet during cleaning process.

5.3 Replacing the Filter

The filter should be replaced regularly for optimal use results. Always make sure that a filter is in place to prevent particles such as dead skin cells or debris from entering the motor. If you notice build-up on the filter, or reduced suction, it is time to replace the filter.

1. Gently remove the installed tip. Using your fingers or a pair of tweezers, remove the filter and discard.
2. Using your fingers or a pair of tweezers, replace with a new filter and re-install a tip to ensure the filter is held in place.

5.4 Replacing the Gasket

The gasket is the small black rubber ring found underneath the installed tip of the device. The gasket should only be replaced if it is noticeably damaged or worn. Always ensure that a gasket is in place, otherwise the device will not function properly.

1. Gently remove installed tip. Using your fingers or a pair of tweezers, remove the damaged gasket and discard.
2. Using your fingers (not tweezers, so as to not damage the new gasket), replace with a new gasket and re-install the desired tip.

5.5 Storing the Device

All parts must be completely dry before being stored.
- Store the machine in a clean and dry place, avoiding heat and direct sunlight.
- Keep the machine away from children.

6. Troubleshooting

Problem	Possible Cause	Solution
The device will not power on	1. The battery voltage is too low to turn the device on.	1. Charge the device.
The device suction is low.	1. The filter is clogged. 2. The battery is low.	1. Replace the filter with a new one. 2. Charge the device.
The device beeps and then powers off.	1. The device has a built-in timer. It beeps every 30, seconds, then after 210 seconds produces a long beep and shuts down.	1. This is normal.

Do not attempt to modify the device in any way. Attempted repairs will void the manufacturer's warranty.

7. 1 Year Limited Warranty

The BIOS Diagnostics™ Microdermabrasion Kit has a 1 year limited warranty to be free of manufacturing defects for the original owner. The warranty does not cover damage from misuse or tampering.

100% Satisfaction Guarantee

If at any time, you are not completely satisfied with the performance of this device, call our BIOS Medical Hotline and speak with a customer service representative, who will make arrangements to have the device tested or replaced to your full satisfaction.

If you have questions regarding the operation of your device call the **BIOS Medical Hotline: 1-866-536-2289.**

Should correction be necessary, return the unit with all component pieces. Enclose proof of purchase and $5.00 for return shipping and insurance. Ship the unit prepaid and insured (at owner's option) to:

Thermor Ltd.
Returns Department
16975 Leslie Street
Newmarket, ON L3Y 9A1
www.biosmedical.com
Email: support@biosmedical.com

Please include your name, return address, phone number, and email address. Thermor will test or replace (at Thermor's option) free of charge any parts necessary to correct the defect in material or workmanship.

Please allow 10 days for return shipping.

8. Technical Specifications

Operating Environment	Temperature: 5°C-40°C Relative Humidity: ≤ 85% Atmospheric Pressure: 80-106 KPA
Storage/Transportation Environment	Temperature: -10°C to 45°C Relative Humidity: ≤ 85% Atmospheric Pressure: 80-106 KPA
Noise	≤ 65 dB
Power Supply	Rechargeable Lithium Ion
Battery Capacity	500 mAh
Rated Voltage	3.7V
Dimensions	39 mm x 38 mm x 154 mm (L x W x H)

Gross Weight	115 g
Expected Service Life	1 Year



Read the instruction manual carefully before using this device, especially the safety instructions, and keep the instruction manual for future use.



Type BF applied part



Batteries and electronic devices must be disposed of in accordance with the locally applicable regulations, not with domestic waste.



IP22: Protected against solid foreign objects of 12.5mm and greater, and against vertically falling water drops when enclosure is tilted up to 15°C.

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