

Minerva 1200

Professional Computerized 13 in 1 Facial Machine



User's Guide

Please read manual thoroughly before using this machine.

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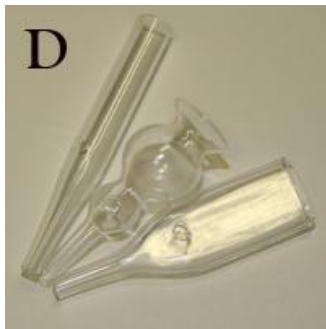
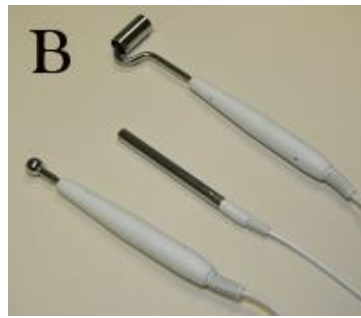
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Control Panel Diagram



- 1) Power Button
- 2) Timer
- 3) Energy
- 4) Vacuum Spray Power
- 5) Vacuum Meter
- 6) Vacuum Intensity
- 7) Galvanic Power
- 8) Ultrasound Wavelength Control
- 9) Ultrasound Power
- 10) Facial Massage Brush Power
- 11) High Frequency Function
- 12) Hot/Cold Treatment Power
- 13) Galvanic Attachment Inputs
- 14) Ultrasound Wand Input
- 15) Facial Massage Brush Input
- 16) High Frequency Wand Input
- 17) Hot/Cold Hammer Input
- 18) Vacuum Hose Input
- 19) Spray Hose Output

Attachments & Accessories



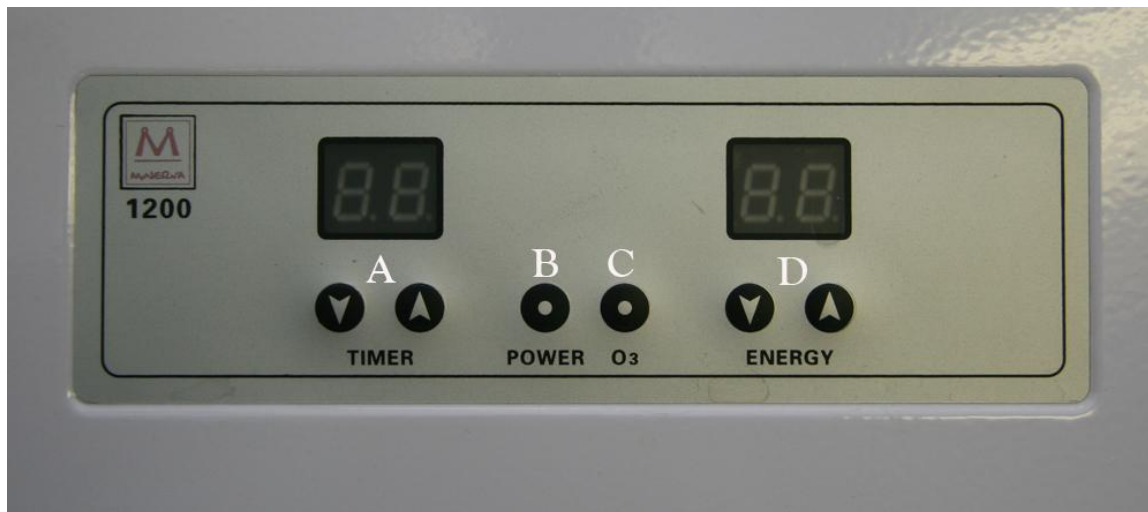
A. High Frequency Wand & Electrodes

- B. Galvanic Attachments**
- C. Vacuum/Spray Hoses & Bottles**
- D. Vacuum Attachments**
- E. Rotary Facial Brush & Attachments**
- F. Hot/Cold Treatment Hammer**
- G. Spare Fuses, UV Bulb and Steamer Drip Sleeve**
- H. Ultrasound Wands**

Ozone Steamer

Steam produced by this device can improve blood circulation and stimulate skin metabolism. Using warm steam will result in opening pores to achieve deep pore cleansing beneath the surface of the skin. The Ozone feature can be used as an anti-microbial to help treat breakouts and kill bacteria in the pores.

Control Panel Diagram:



- A. 60 Minute Digital Timer**
- B. Main Power Button**
- C. Ozone Power Button**
- D. Temperature Control**

Operating Procedure:

1. Fill the glass container with distilled water until it reaches the red line, approximately 500mL.
2. Attach the container to the machine.
3. Make sure unit is plugged in and main power switch on the rear of the unit is switched on. You will hear a cooling fan run constantly when the main power switch is on. The purpose of the fan constantly running is to keep the electronics cool and functioning properly.
4. Press the POWER button (B) on the front control panel.
5. Allow 5-7 minutes for the water to begin boiling. Once the water begins to boil, steam will be produced.
6. Using the ENERGY button (D), adjust the outflow of steam. [(1) will give off the least amount while (10) will give the most.]
7. Use the ENERGY button (D) to increase or decrease water temperature. See table below for time needed to reach desired temperature.

Time	3 minutes	5 minutes	7 minutes	10 minutes	Boiled water will remain at 200°F
Temperature	75°F	95°F	150°F	212°F	

8. Use the ▲ button to increase time and the ▼ button to reduce time.
9. Press the O3 button (C) to begin OZONE function. The steamer arm can be moved up and down and turned up to 125°.

Maintenance:

1. During use, keep heater fully immersed in water.
2. Clean the glass container daily.
3. To clean the heater and glass container, fill container with a solution of vinegar and water (1part vinegar to 3 parts water.) Turn on the steamer and let vaporize through the solution.
4. Refill glass container with distilled water and steam for at least 10 minutes.
5. Empty container and allow to dry overnight.

Tips:

1. To decrease the stimulation of the steam's impact on the skin, apply a sheet of gauze over the face. Do not use gauze when treating sensitive skin.

2. Do not keep steamer nozzle in one area for an extended period of time.
3. Do not leave water in the steamer overnight. This can cause deposits to collect on the heating element.
4. **Do not let any water or steam come in contact with the main unit or any attachments. This can interfere with other treatments.**

High Frequency Treatment *(Diagram #'s 16 & 3, Part A)*



This treatment uses ultraviolet and infrared rays to eliminate bacteria and absorb nourishing and medicinal products into the deeper layers of the skin. High frequency treatment increases glandular activity, stimulates blood circulation and acts as an anti-microbial treatment beneath the surface of the skin. **Electrodes which emit infrared light are the only electrodes that can be used for germicidal treatment.** Electrodes which emit ultraviolet rays can be used for increased circulation and to aid in the skin's absorption process.

Operating Procedure:

1. Insert the electrode of choice into the high frequency wand.
2. Place a sheet of gauze over the client's face before beginning.
3. Turn on the power and switch button to High Frequency.

4. Use the ENERGY buttons to adjust the intensity of the treatment and begin.

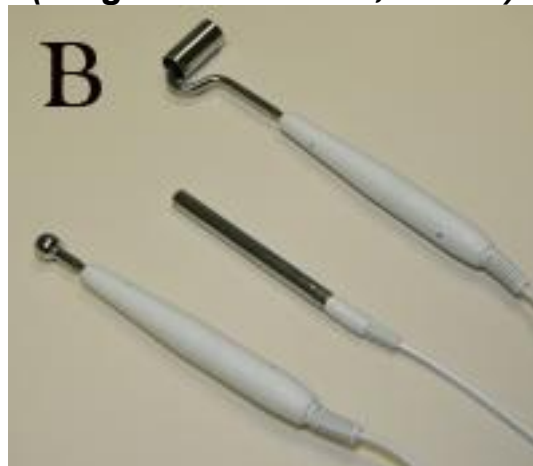
Maintenance:

1. Use alcohol wipes or a sanitizing solution to clean the glass portion of the electrode after each use.
2. Avoid any liquid contact with the metal at the base of the electrode.

Tips:

1. Keep electrodes in constant motion.
2. To avoid overexposure, do not apply to one surface area for increased periods of time.
3. Before treatment, be sure that the client, as well as the operator, has removed all metal objects from the body.

Galvanic Treatment *(Diagram #'s 7 & 13, Part B)*



This treatment works after the principle of “**positive** electrodes allure **negative** electrodes.” Galvanic current is used to create two significant reactions in esthetics: chemical or disincrustation and ionic or iontophoresis. The galvanic machine converts an oscillating electrical current into a direct electrical current that can be used to target specific nerve endings in the epidermis. The disincrustation process is used to facilitate deep pore cleansing and the iontophoresis process is used to

aid in penetration of nourishing products and medication into the deeper layers of the skin.

Operating Procedure:

1. Dampen a sponge or a piece of cotton gauze and place around the pole the client will be holding. The pole needed by the client can either be placed in the hand or under the arm.
2. Gently cleanse the skin prior to treatment.
3. The operator should prepare the electrode of choice for specific treatment by covering it with a dampened sponge or cotton gauze pad.
4. Once the electrode is prepared, liberally apply product of choice to the client's face. If focusing on a specific area, apply product directly onto the dampened sponge or cotton pad.
5. Turn on the power button and press the galvanic button (7) to start the treatment.
6. Connect the attachments to begin using the **positive (+)** polarity or **negative (-)** polarity. Please allow 3-5 minutes for the current to begin and an additional 3-5 minutes for the current to change polarity.
7. The operator can increase or reduce service time by adjusting the timer on the main control panel.
8. To increase or decrease the intensity level, adjust the ENERGY levels.

Maintenance:

1. Always dispose of cotton or gauze after each client.
2. After each use, a germicidal solution should be sprayed onto the electrodes and then wiped with a cotton pad that has also been sprayed with germicide.
3. **Do not soak the electrodes in any type of liquid as this may interfere with conductivity in future treatments.**

Tips:

1. Before treatment, be sure that the client, as well as the operator, has removed all metal objects from the body.

2. When conducting disincrustation, the client holds the positive polarity. The operator uses the disincrustator that is set on negative polarity.
3. Always identify the polarity of the solution being used in iontophoresis. Products that have an acidic pH are considered **positive (+)** and products with an alkaline tendency are considered **negative (-)**.
4. For the iontophoresis procedure to work correctly, the client must hold the polarity opposite the product.
5. To ensure proper connection and to be sure electrode will glide easily over the surface of the skin; keep the skin and the sponge or cotton gauze moist.
6. **Only apply electrode directly on the skin if the skin is completely covered with a GEL product.**
7. When switching polarity for ionization when infusing solution, the following skin reactions may occur:

(+) Positive Pole (+)	(-) Negative Pole (-)
Causes and acid reaction	Causes an alkaline reaction
Calms or soothes nerve endings	Stimulates nerve endings
Decreases blood circulation	Increases blood circulation, softens and relaxes tissue

Facial Brush Treatment (Diagram #'s 10 & 15, Part E)



This treatment is used to lightly exfoliate the skin and assist in the cleansing process. The brush acts as a stimulus to the skin and is most beneficial during the cleansing process. The Facial Brush Treatment aids in the removal of dead skin cells and also helps to eliminate excess oil, dirt and cell build up. The machine works using circular strokes in a clockwise or counter-clockwise direction. The circular motion also produces a massage effect on the client's skin.

Operating Procedure:

1. Place brush of choice into the handle.
2. Turn on the power and press the Facial Brush Power Button to start the treatment.
3. The operator can increase or reduce service time by adjusting the timer on the main control panel.
4. To increase or decrease the intensity level, adjust the ENERGY levels.
5. Set intensity according to quality, sensitivity and or thickness of the skin.
6. To change the brush, use a slight force to pull existing brush out of the handle and insert next brush of choice into the handle.
7. Brushes should be used for the following:

Large Bristle Brush All Skin Types	Gentle exfoliation of larger surface areas such as cheek, forehead, chin, back and chest.
Small Bristle Brush All Skin Types	Gentle exfoliation of smaller surfaces such as the eye and nose area.
Large Gesso Brush Can be used on All Skin Types. Best for thick skin.	Assists in elimination of excess oil, dirt and cell build up on larger surface areas such as cheek, forehead, chin, back and chest.
Small Gesso Brush Can be used on All Skin Types. Best for thick skin.	Assists in elimination of excess oil, dirt and cell build up on smaller surfaces such as the eye and nose area.
Sponge Brush Can be used on All Skin Types. Best for sensitive and impressionable skin.	Assists in elimination of excess oil, dirt and cell build up on larger surface areas such as cheek, forehead, chin, back and chest.

Maintenance:

1. Brushes should be cleaned and sanitized after each use.
2. First gently clean with warm water and an antibacterial soap and rinse thoroughly.
3. Follow by placing into a sterilizing solution such as Barbicide for 5-10 minutes. Remove and rinse thoroughly with warm water.
4. Allow brushes to air dry and store in a manner that will not cause the brushes to lose their shape when drying. If the round shape is not kept, the brushes will not rotate properly over the surface of the skin.

Tips:

1. Brushes should face skin upright, not at an angle
2. Do not apply pressure with this treatment.
3. Use a slow, steady rotation and a softer brush for drier skin types.
4. Use a faster speed and firmer brushes for thick, oily skin.

Ultrasonic Treatment (Diagram #'s 8, 9 & 14, Part H)



This treatment permeates deeply into the skin and emits heat which accelerates blood circulation. This treatment emits micro-vibrations that penetrate 3-7cm beneath the surface of the skin. The micro-vibrations oscillate 1,650,000 times per second. **The oscillating vibrations move so quickly that they cannot be seen by the eye or felt on the surface of the skin.** Oscillation causes molecular friction beneath the surface of the skin. The friction then develops heat. This combination of heat and oscillation can be very beneficial for rejuvenating face shape, elongating epidermis and minimizing wrinkles. Continuous use of this treatment will

break down fat cells into liquid and enable the cells to separate. This will eliminate the visibility of cellulite. Ultrasonic treatment will also reduce puffiness around the eyes, neck and chin. This treatment can be used on the face as well as the hips, thighs, buttocks and stomach.

Operating Procedure:

1. Thoroughly clean the surface area that will be treated.
2. Attach wand of choice and remove green cap. Wand should be chosen according to the area of the body and the quality of the skin on the treatment surface.
3. Turn on the power button and select the ultrasound function to start treatment.
4. Set the output frequency according to quality, sensitivity and or thickness of the skin that is being treated.
5. Press the STATE button (8) to begin using the discontinuous current. Press the STATE button (8) again to switch to the continuous current. Please allow 3-5 minutes for the current to begin and an additional 3-5 minutes for the current to change currents.
6. The operator can increase or reduce service time by adjusting the timer on the main control panel.
7. To increase or decrease the intensity level, adjust the ENERGY levels.

Maintenance:

1. After each use, a germicidal solution should be sprayed onto the electrodes and then wiped with a cotton pad that has also been sprayed with germicide.
2. **Do not soak the electrodes in any type of liquid as this may interfere with conductivity in future treatments.**

Tips:

1. During treatment, move wand in a continuous circular motion over treatment area.
2. Recommended treatment time is 15 minutes per area.
3. This treatment should not be done more than once every seven days and a series of 10 treatments is recommended.
4. The wands should not come in contact with eyelids or eyeballs.

5. This treatment should not be used on the stomach if the client is pregnant.
6. Use of a conducting gel or a solution of baking soda may increase the effectiveness of this treatment.
7. Avoid using the same wand for more than 30 minutes at a time to avoid damage to the device.

Hot/Cold Hammer Treatment

(Diagram #'s 12 & 17, Part F)



This treatment is an amazing new technology for which one side of the hammer gets very warm while the other side gets very cold. This tool is used in a circular massaging motion over the surface of the treatment area. The warm side is very beneficial to aid in the cleansing process as it helps to open the pores for deeper cleansing. The cold side can be used to intensify the effect of a gel masque and will also help to close pores.

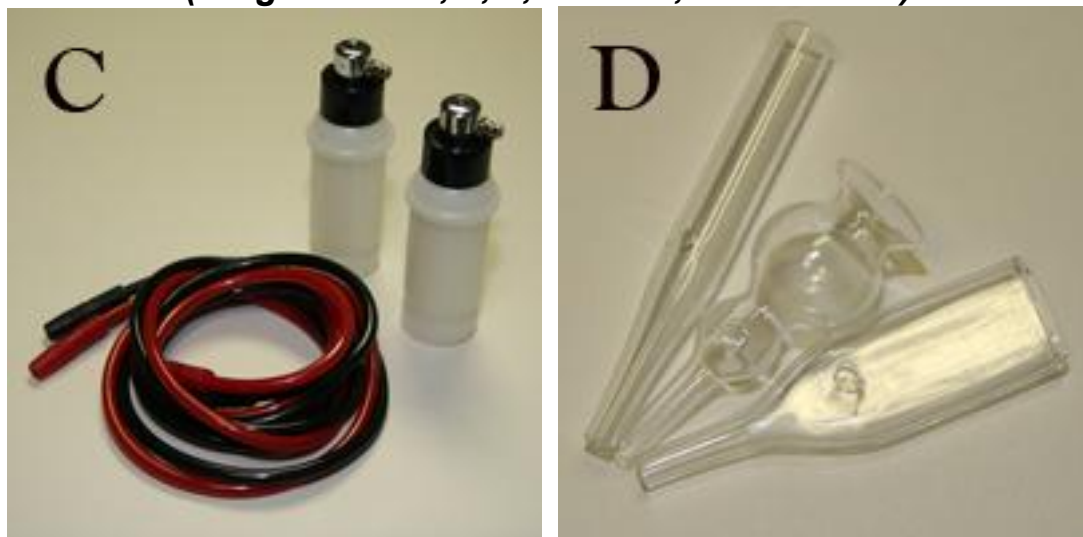
Operating Procedure:

1. Thoroughly clean the surface area that will be treated.
2. Press the FACIAL button (17) to start treatment.
3. Once the treatment begins, the indicator lights on the hammer will be illuminated. Indicator lights on the hammer will remain illuminated during the treatment (approximately 5 minutes.)
4. If additional time is necessary press the FACIAL button to resume treatment.

Maintenance:

1. Use alcohol wipes or a sanitizing solution to clean the metal portions of the hammer after each use.
2. **Do not soak the hammer in any type of liquid as this will damage the tool and make it unavailable for future use.**

Vacuum and Spray Treatment *(Diagram #'s 4, 5, 6, 18 & 19, Parts C & D)*



The vacuum treatment has two major esthetic functions. First, the machine is used to suction dirt and impurities from the skin. Secondly, it helps to reduce the appearance of creases around the mouth, nose and eye areas. The vacuum also helps to stimulate the skin and increase circulation. The spray treatment is beneficial for calming and hydrating the skin. The spray bottle is filled with a toner or other freshening solution and is gently misted over the face of the client.

Operating Procedure:

1. Thoroughly clean the surface of the area that is going to be treated.
2. Connect glass tip of choice to the vacuum tube.
3. Press Va. S. button (4) on control panel to start treatment.
4. Use the index finger to cover the finger hole while moving the vacuum attachment across the skin. Use the Min/Max knob (6) to adjust the intensity of suction (You can also use the vacuum meter that is shown as (5) on the main control panel).

5. Remove the index finger from the finger hole before removing the device from the skin to avoid pulling.
6. When using the spray treatment, connect the filled spray bottle to the spray tube.
7. Press Va. S. button (4) on control panel to start treatment.
8. Hold the spray bottle 6-10 inches away from the face and gently mist.
9. Gently pat the sprayed area with a clean towel to avoid dripping.

Maintenance:

1. Glass vacuum attachments should be cleaned and sanitized after each use.
2. First gently clean with warm water and an antibacterial soap and rinse thoroughly.
3. Follow by placing into a sterilizing solution such as Barbicide for 5-10 minutes. Remove and rinse thoroughly with warm water.
4. Finally place in sterilizer cabinet to dry.
5. Regularly empty and replace the toner or freshening solution in the spray bottle to keep the solution fresh.
6. Flush the spray nozzle with distilled water 2-3 times per week when using regularly. This can be done by filling the bottle half full of distilled water and allowing to mist onto a towel until it is empty.
7. To prevent build up in the spray nozzle, follow the process in step six using a solution of 1part vinegar to 3 parts distilled water 2-3 times monthly.
8. Be sure that the vacuum hose is attached to the vacuum jack and the spray is attached to the spray jack. If the spray is attached to the vacuum jack, astringent may be sucked into the air pump causing irreversible damage to the main unit.

Wood's Lamp

The Wood's lamp uses a filtered black light to illuminate fungi, bacterial disorders, pigmentation problems and other skin problems. This tool provides a more in depth skin analysis by illuminating problem areas on or under the surface of the skin that may not be visible to the naked eye. Different skin conditions will show in various different colors under the Wood's lamp.

Operating Instructions:

1. Place cotton pads over the client's eyes before beginning the skin analysis.
2. Turn off all lights in the room where the skin analysis is being performed.
3. Turn on the Wood's lamp and hold it over the client's face.
4. Under the lamp, different colors will appear showing different skin conditions. Some of the skin conditions and how they appear are:

Skin Conditions	Color Under Wood's Lamp
Thick Corneum Layer	Fluorescent White
Horny Layer of Dead Skin Cells	White Spots
Normal Healthy Skin	Blue-White
Dehydrated Skin	Violet
Oily Skin/Comedones	Yellow
Pigmentation Problems	Brown
Healthy Skin	Orange-White
Acne	Brown-Orange

Magnifying Lamp

The magnifying lamp helps the esthetician to treat and analyze the skin by illuminating and magnifying. The mag lamp can be used to magnify the service are for several different treatments.

Operating Procedure:

1. Adjust the lamp directly over the area that will be treated.
2. Adjust the angle of the lamp so the light is at the appropriate angle for the operator.
3. Cover the client's eyes with cotton pads or a folded washcloth as the light will be very bright.
4. Begin analysis or treatment.

Maintenance:

1. To clean the lens, spray it with a disinfecting cleanser and wipe with a soft towel. Do not use paper products to clean the lens as they may be abrasive and scratch the lens.
2. Occasionally check the screws on the arm and around the light to ensure that they have not loosened.

Hot Towel & UV Sanitizing Cabinet

The hot towel cabinet keeps towels at a temperature of 165 degrees. The ultra violet bulb keeps the inside of the cabinet germ free. This cabinet can either be used as a small hot towel cabinet or a UV sanitizer for storage of sterile implements.

Operating Procedure:

1. To use as a hot towel cabinet:
 - a. Moisten towels. Never place dry towels in the cabinet. They will burn and become discolored.
 - b. Check drip pan below the cabinet door regularly. Drip pan is designed to catch condensation that drips when the doors is opened and closed.
2. To use as a UV sanitizer:
 - a. Clean implements in a sterile solution such as Barbicide or alcohol.
 - b. UV sanitizers do not clean implements; UV light prevents germs and/or bacteria from forming.

Maintenance:

1. To clean the lens, spray it with a disinfecting cleanser and wipe with a soft towel. Do not use paper products to clean the inside of the cabinet.
2. Remove shelves and clean with soap and water. Do not place in dishwasher.
3. Occasionally check the drip tray to make sure there is no standing water. Mold or mildew can form if left unattended for long periods of time with water in it.

