

Iontosonic

Medical Frequency



I N S T R U C T I O N M A N U A L
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IontoSonic MD-5000

The IontoSonic MD-5000 is an extremely versatile, multifunctional skin care system for the face and upper chest. It is the ultimate skin-resurfacing tool and can be used on all skin types. It is as effective as microdermabrasion without the associated disposal issues of getting rid of used crystals. In addition, the IontoSonic MD-5000 is not abrasive and does not harm live skin cells.

This state-of-the-art machine designed by dermatologists and plastic surgeons uses 28,000 pulses of ultrasound per second to deep cleanse, exfoliate, massage, lift, and infuse vitamin C deep into the skin. It gets rid of waste materials that accumulate on the skin while promoting metabolism by increasing blood circulation.

Although the client should see dramatic improvements after only four treatments, a series of twelve treatments once or twice per week is recommended. There is no limit to the number of treatments that the client can receive. IontoSonic treatments can help diminish acne, aging, scarring, stretch marks, and hyperpigmentation. It can also be used to help rejuvenate hands and improve elasticity.

The IontoSonic MD-5000 has the following functions:

- Ultrasonic deep cleansing
- Ultrasonic scaling of dead cells
- Vitamin C iontophoresis and sonophoresis
- Galvanic lifting
- Deep hydration
- Stimulation of epidermal cell turnover
- Regeneration of collagen and elastin
- Increased muscle tone
- Increased blood circulation

Four Phases of Sonophoresis and Iontophoresis

1. **Cleansing Mode** - During the cleansing mode, the IontoSonic MD-5000 uses sonophoresis to deep clean the skin. Ultrasonic energy is transmitted through the skin pores to the deepest areas of the skin to remove residual make-up and deep-seated waste materials. You could compare this phase to high pressure cleaning a sidewalk.
2. **Scaling Mode** – Working on a higher frequency of ultrasound, the scaling mode exfoliates the face, removing dead skin cells and sebum while disinfecting and massaging the skin. With repeated treatments, superficial irregularities will be removed causing the skin to look younger and healthier.
3. **Vitamin Infusion Mode** – Vitamin C helps rid the skin of unsightly pigmentation. Traditionally, treatment with Vitamin C has been oral or topical – with poor results. The Iontosonic MD-5000 delivers Vitamin C to problem areas much more efficiently. The vitamin infusion mode uses both iontophoresis and sonophoresis to deliver Vitamin C deep into the dermis.
4. **Lifting Mode** – The lifting function increases the blood supply and lymphatic flow by sending pulsed ultrasonic wavelengths combined with small amounts of positive and negative electrical charges to the skin. This creates a deeper level of stimulation, giving a maximum massage effect and resulting in healthier, younger skin that is smooth and elastic.

Effects associated with ultrasonic treatments:

- ❑ Thermal Effect – generates heat in deeper tissues
- ❑ Mechanical Effect – provides micro massage using high speed vibrations
- ❑ Cavitation Effect – delivers oxygen to collagen fibers in the dermis
- ❑ Biological Effect – dilates blood vessels, improves blood and lymphatic flow, and relaxes the muscles. The result is improved detoxification and accelerated healing.

Combining ultrasonic technology with other treatments:

- ❑ The penetration/vitamin mode can be used to induce any water-soluble product into the skin following microdermabrasion, glycolic peels, and other peels.
- ❑ The lifting mode can be used to deliver a lifting serum – as a treatment by itself or as an add-on.
- ❑ The ultrasonic technology can also be incorporated into other treatments such as facials and microdermabrasion. It can also be used to treat hands, stretch marks, and cellulitic areas.

Explanation of Sonophoresis and Iontophoresis

Sonophoresis is the movement of ions through biological material under the influence of ultrasound. During sonophoresis, ultrasonic sound waves stimulate body cells, improving circulation of blood and lymph, and assisting in waste removal. With sonophoresis, you can achieve twenty times more penetration into the collagen layer than with traditional galvanic technology.

Iontophoresis is the movement of ions through biological material under the influence of an electric current. During iontophoresis, a positive current improves the penetration of water-soluble products. Although the Vitamin C described in this procedure is the most common product used, any water-soluble product may be used.

The skin forms a protective layer over the body. One of its' functions is to prevent potentially damaging chemicals from entering the body through the skin. Although this is an important function, it limits the types of treatment that can be used to treat damaged skin.

Iontophoresis, which has been around for nearly a hundred years, works with galvanic or direct current. With this type of current, electric charges or ions move between negative and positive poles. Using this principle, the Iontosonic MD-5000 can penetrate products into the skin, delivering vital nutrients to damaged areas.

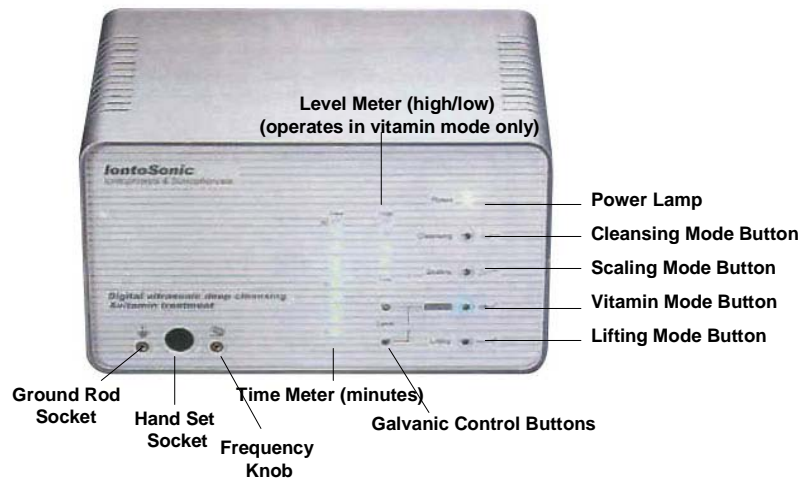
The handset on the Iontosonic MD-5000, which is held by the esthetician, has a positive pole while the metal grounding rod held by the client has a negative pole. A mild electric current circulates through the client's body between the two poles, enhancing the infiltration of Vitamin C and other water-soluble products.

Parts/Accessories

Main Components of the IontoSonic MD-5000 Unit



Main Unit



Frequency Knob

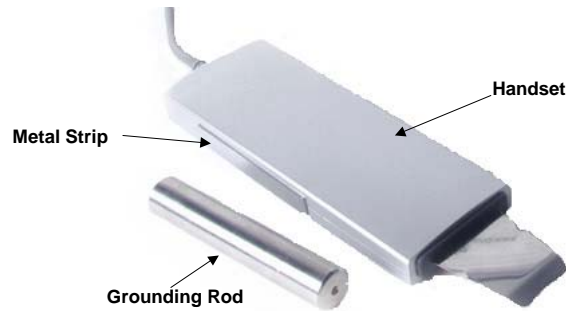
The Frequency Knob on the IontoSonic MD-5000 is preset at the factory for maximum frequency and efficiency. Under normal usage, this knob **should not** be adjusted. Changing the knob will shorten the life of the digital chip in the handset.

In very special circumstances, i.e., the close proximity of several other electronic devices such as lasers or extreme room temperatures, it may be necessary to adjust the frequency to eliminate external electrical interference. If you are having problems with frequency control, call Technical Support at Universal Companies.

Time Indicator

The time indicator shows the accumulated time of operation. When the set time has passed, the light blinks to indicate that it is time to select another mode.

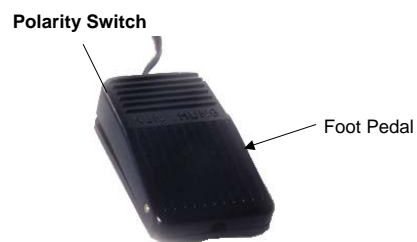
Hand Set and Metal Grounding Rod



Note: The esthetician's fingers must be in contact with metal strips on both sides of the hand set during treatment.

The metal grounding rod has a negative charge while the handset held by the esthetician has a positive charge. During the Vitamin and Lifting Modes, the galvanic circuit moves from the negative to positive poles, enhancing the treatment and allowing Vitamin C to infiltrate the skin. *Note: The client should hold the metal grounding rod in their right hand throughout the treatment. The rod should be wrapped in a damp cloth. (Note: the cloth should be very thin – gauze or cheesecloth could be used.)*

Foot Pedal



Note: See directions for operation of foot pedal on page 7.

Other Accessories Packaged With the IontoSonic MD-5000

10 Vitamin C Capsules
Cup to mix Vitamin C
10 Electrode Sponges

Known Contraindications

Note: If client has any medical conditions, we suggest that they check with their doctor before proceeding with treatment.

- Do not use on children.
- Do not use on pregnant women.
- Do not use on clients with pace makers or electrical implants.
- Avoid using on clients with a heart condition.
- Do not use on clients with epilepsy.
- Do not use on skin surfaces that have open wounds or lesions.
- Do not use on patches of eczema or other diseased areas of the skin.
- Do not use on patients with metal implants in their face.
- Never use on unmoistened skin.
- Clients who have metal braces may experience a metallic taste in their mouth during the treatment.

There may be other, unknown contraindications for this Product. For this reason, you should always recommend that your Client discuss the use of this Product as part of their spa treatment program with their health care professional before commencing treatment. Universal Companies, Inc., its officers, directors, employees and vendors cannot be responsible for any claims, damages, injuries or expenses arising from your Client's use of this Product prior to discussing it with their health care professional or from disregarding the Product's instructions, and you and your Client agree to hold Universal harmless from any such claims. We and our suppliers care about the health and beauty of your Clients. While we make every reasonable effort to maintain strict quality control and training standards, every client is unique and spa treatments do affect people differently. Unless you advise us otherwise, we have to assume that your Client has discussed your spa treatment plan with their health care professional and secured their approval. Doing this will make your Client's spa experience safe and will be supportive of their overall emotional and physical well being. After all, that is the goal of us all.

Instructions for Use

Prior to the Onset of Treatment

1. Before using the machine for the first time, peel the blue protective cover off the front of the unit. This protects the unit during shipping.
2. Assemble all required materials before beginning treatment.
 - IontoSonic unit w/ foot pedal control, handset, and grounding rod
 - Damp cloth to wrap around metal grounding rod.
 - Wet sponge or spritzer bottle
 - Distilled water
 - Electrode sponge
 - Mixing cup
 - Teaspoon for measuring distilled water
 - Vitamin C capsule
3. Plug the power cord into the main unit and a properly grounded electrical outlet.
4. Plug the cord for the handset into the main unit.
5. Plug the cord for the foot pedal into the main unit.
6. Plug the cord for the metal grounding rod into the main unit.
7. Both the client and esthetician **must remove all jewelry** before treatment.
8. Put a headband on the client to hold their hair away from their face and to absorb any liquid that may drip onto the client.
9. Cleanse the client’s face thoroughly. *(Note: Do not use an astringent. You want to keep the pores on the face open.)*

Directions for Using the Foot Pedal of the Iontosonic MD-5000

The IontoSonic MD 5000 has a foot pedal that can be used to pause the unit during treatment. It may be used in one of two modes, depending on the preference of the esthetician.

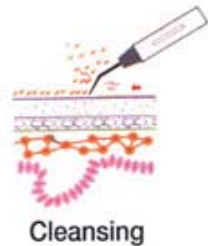
On the back of the foot pedal there is a black switch that moves left or right. It is labeled **Polarity**. If the switch is set to the left, the hand held unit works when the esthetician applies pressure to the foot pedal. The unit pauses when pressure is removed.

If the switch on the back of the foot pedal is set to the right, the unit pauses when the esthetician applies pressure to the foot pedal and works when pressure is removed.

Switch set to Left	Pressure applied to foot pedal – Hand set operates. Pressure removed from foot pedal – Hand set stops operating.
Switch set to Right	Pressure applied to foot pedal – Hand set stops operating. Pressure removed from foot pedal – Hand set operates.

Cleansing Mode

During the cleansing mode, the IontoSonic MD-5000 uses sonophoresis to deep clean the skin. Ultrasonic energy is transmitted through the skin pores to the deepest areas of the skin to remove residual make-up and deep-seated waste materials.

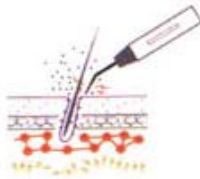


1. Turn on the Power Switch in the back of the IontoSonic MD-5000 unit.
2. Place the metal grounding rod, which has been wrapped in a thin, damp cloth, in the client's right hand. (*Although the grounding rod is required only during the Vitamin Mode and the Lifting Mode, the patient should hold the rod throughout the treatment. This will prevent a disruption of the mood and flow of the treatment when you are ready to begin the Vitamin Mode.*)
3. The client's face should be thoroughly cleansed before beginning the IontoSonic treatment.
4. Using distilled water, moisten the skin with a wet sponge, or spritz it lightly. (*Note: the area being cleansed **must** be damp before treatment begins. If the skin dries, moisten it again.*) You may use any liquid herbal infusion such as rosewater as a moisturizer. However, do not use an astringent because you want to keep the pores open for the treatment.
5. Grasp the handset in your hand. (*Note: Your fingers **must** touch the stainless steel strips on both sides of the handset.*)
6. Press the Cleansing Mode button to begin the treatment. (*Instructions for using the foot pedal are found at the top of this page.*) The machine is preset for five minutes for the Cleansing Mode.
7. Holding the handset at a 35° angle to the skin, lightly touch the tip to the client's skin. The client may feel a slight electric tingle when the tip touches their wet skin. The treatment should not be uncomfortable. If excessive discomfort occurs, discontinue the treatment.
8. Keep the handset moving constantly. Never stay in the same area for more than two seconds.
9. Divide the treatment area into four sections. Proceed according to the pattern shown on the diagram and consistent with the following directions:
 - Upper chest– Beginning at the décolleté, move the handset from the center of the chest outward and slightly upward in a sweeping motion.
 - Neck– Maintaining your 35° angle, move the handset in an upward motion to the jaw line, avoiding the esophagus.
 - Chin and cheek– Move the handset from the center of the chin upward and outward. In the cheek region, do not go above the cheekbone.
 - Upper lip– Move the handset up to the nose. May also move outward toward the cheek.
 - Nose – Avoid the bridge of the nose. With a very light stroke, move the handset up and inward on the nose.
 - Forehead – Move the handset outward from the center of the forehead toward the temple.
10. Wipe the tip of the handset frequently with a clean damp towel to remove dead skin cells and fluids.
11. Make sure the skin stays moist throughout the treatment.
12. When the light on the front of the IontoSonic unit starts blinking, the cleansing phase is complete. The unit is preset for five minutes for the cleansing mode. You may pause the unit during the cleansing phase. An additional five minutes may be added by pressing the Cleansing Mode button again. This phase of the IontoSonic treatment should be completed within ten minutes.



Scaling Mode

Working on a higher frequency of ultrasound, the scaling mode exfoliates the face, removing dead skin cells and sebum while disinfecting and massaging the skin. With repeated treatments, superficial irregularities will be removed causing the skin to look younger and healthier.



Scaling

1. Moisten the skin again using a sponge dampened with distilled water or spritz the area to be treated. Do not apply the tip of the handheld unit to unmoistened skin.
2. Press the Scaling Mode button.
3. Grasp the handset, ensuring that your fingers are touching the metal strips on both sides of the unit.
4. Hold the hand set at a 45° angle and touch the skin lightly beginning the treatment at the décolleté, following the same pattern used in the cleansing phase.
5. Keep the handset moving constantly and never stay in the same area more than two seconds.
6. Wipe the tip frequently with a clean, damp towel to remove dead skin cells and fluids. Make sure the skin stays moist. (*Note: Pause the unit when wiping the tip of the handset by pressing the Scaling Mode button or by using the foot pedal.*)
7. When the light on the front of the IontoSonic unit starts blinking, the scaling phase is complete. The unit is preset for five minutes for the scaling mode. If necessary, you may pause the unit during the scaling phase. An additional five minutes may be added by pressing the Scaling Mode button again. This phase of the IontoSonic treatment should be completed within ten minutes.

Vitamin Infusion Mode



Iontophoresis

Vitamin C helps rid the skin of unsightly pigmentation. Traditionally, treatment has been oral or topical – with poor results. The Iontosonic MD-5000 delivers Vitamin C to problem areas much more efficiently. The vitamin infusion mode uses both iontophoresis and sonophoresis to deliver Vitamin C deep into the dermis.

This Vitamin C capsule included with the Iontosonic unit is made up of ninety percent pure Vitamin C and ten percent magnesium phosphate and is synthetically derived. It is as effective as ascorbic acid in regulating collagen biosynthesis (dehydration and fine lines and wrinkles).

1. If the client is not already holding the metal grounding rod wrapped in a thin, damp cloth in their right hand, give it to him or her now. If the client is holding it, make sure that he or she has a firm grip on the rod during the vitamin infusion phase.
2. To begin the vitamin infusion mode, place the disposable electrode sponge over the tip of the handset. (*Note: The cover fits snugly. It may take some practice in order to put it on quickly and smoothly.*)
3. Fill the plastic cup (shipped with the Iontosonic unit) to the fill line with distilled water.
4. Make sure your hands are dry. (*Note: This is very important, otherwise moisture from your hands may make the capsule difficult to open.*) Then, open the Vitamin C capsule and mix its contents with the distilled water until the Vitamin C powder is completely dissolved. (*Note: You can use small scissors to snip off the tip of the capsule.*)
5. Dip the foam-covered tip of the handset into the Vitamin C mixture.

6. Grasp the hand set **firmly**, ensuring that your fingers are touching the metal strips on both sides of the unit. This will help ensure that there is a complete galvanic circuit between the positive nodes in the handset and the negative node in the metal rod held by the client. (*Note: This is very important for the treatment to be totally effective.*)
7. Press the Vitamin Mode button.
8. Hold the hand set at a 45° angle **with the flat part of the metal in contact with the skin**. Rub the skin lightly beginning the treatment at the décolleté, following the same pattern used in the cleansing and scaling modes.
9. The galvanic current is preset to a level of 3. Increase it or decrease it according to client comfort. You may need to decrease it when working near the eyes and lips.
10. Moisten the foam tip of the hand set in the Vitamin C solution frequently. (*Note: Pause the unit when moistening the foam at the tip of the handset or if you break contact with the skin for any other reason. You may pause the unit by pressing the Vitamin Mode button or by utilizing the foot pedal.*) The unit is designed so the galvanic current slowly builds to the desired level each time the unit is paused and restarted, making the treatment much more comfortable.
11. Keep the handset moving constantly and never stay in the same area more than two seconds.
12. When the light on the front of the IontoSonic unit starts blinking, the vitamin infusion phase is complete. The unit is preset for ten minutes for the vitamin infusion mode. If necessary, you may pause the unit during the vitamin infusion phase. An additional five minutes may be added by pressing the Vitamin Mode button again. This phase of the IontoSonic treatment should be completed within fifteen minutes.

Notes:

- Although the MD-5000 was designed to be used with Vitamin C, it can be used with any water-soluble substance.
- Vitamin C is stored in the skin for about 3 days. Therefore, Iontosonic treatments can be repeated two or three times a week, as needed.

Lifting Mode

The lifting function increases the blood supply and lymphatic flow by sending pulsed ultrasonic wavelengths combined with small amounts of positive and negative electrical charges to the superficial skin muscles. This creates a deeper level of stimulation, giving a maximum massage effect and resulting in healthier, younger skin that is smooth and elastic. Ultrasonic waves cannot be transmitted through the air. They must pass through some sort of liquid or cream. Therefore, moisturizer must be applied to the skin before the lifting mode begins.



1. Begin the lifting mode by applying an ample supply of moisturizer to the entire upper chest and face.
2. Remove the disposable foam cover from the tip of the handset.
3. Make sure that the client is still gripping the metal rod wrapped with a moist cloth.
4. Grip the handset firmly, making sure that your fingers are touching the metal strips on the side of the handset.
5. Press the Lifting Mode button.
6. Place the wide sector of the tip of the handset on the skin and move it over the skin gently in the same pattern used previously.

7. Keep the handset moving constantly and never stay in the same area for over two seconds.
8. Wipe the tip as needed with a clean, damp towel to remove dead skin cells and fluids. Make sure the skin stays moist. (*Note: Pause the unit when wiping the tip of the handset or if you break contact with the skin for any reason.*)
9. When the light on the front of the IontoSonic unit starts blinking, the lifting phase is complete. The unit is preset for five minutes for the lifting mode. If necessary, you may pause the unit during the lifting phase. An additional five minutes may be added by pressing the Lifting Mode button again. This phase of the IontoSonic treatment should be completed within ten minutes.

Post Treatment

1. Turn off the unit.
2. Clean the treatment tip of the hand set using at least an 80% alcohol solution.
3. Unplug the unit when not in use.

Operations/Precautions

General Precautions

- Avoid storing the Iontosonic Unit in extremely wet, hot, or cold areas.
- Do not allow children to operate the IontoSonic unit.
- Push buttons gently.
- Avoid getting the button area wet.
- Do not drop the Iontosonic MD-5000 unit or subject it to severe jolts.
- Do not open or modify the contents of the IontoSonic MD-5000 unit as this will lead to mechanical failure and void warranty.
- Do not attempt to disassemble the machine. This can create additional problems.

To reduce the risk of electrocution:

- Always unplug the unit when not in use.
- Do not use while bathing.
- Do not place (or drop) into water or any other liquid.
- Do not reach for a unit that has fallen into water. Unplug immediately.

To reduce the risk of burns, electrocution, fire, or injury:

- Do not leave the IontoSonic unit unattended while in operation.
- Extreme caution should be used when IontoSonic unit is used on or near invalids.
- The IontoSonic unit should be used only for its intended purpose as described in this manual.
- Do not use attachments that are not recommended by the IontoSonic manufacturer.
- Do not operate the IontoSonic unit if:
 - It has a damaged cord or plug.
 - If it is not working properly.
 - If it has been dropped or damaged.
 - If it has been dropped into water.
- If damaged, return the IontoSonic unit to an authorized service center for examination and repair.
- Keep the cord of the IontoSonic unit away from heated surfaces.
- Never block the air vents of the IontoSonic unit. Do not place it on a soft surface such as a bed or couch where air vents may be blocked. Keep the air vents free of lint, hair, etc.
- Do not use the IontoSonic unit outdoors.
- Do not operate the IontoSonic unit when sleepy or drowsy.
- Do not operate the IontoSonic unit where aerosol (spray) products are being used or where oxygen is being administered.
- Connect the IontoSonic unit to a properly grounded outlet.

Grounding Instructions

The IontoSonic unit should be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. This unit is equipped with a cord that has a grounding wire with a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded. (GFCI outlet)

DANGER – Improper use of the grounding plug can result in a risk of electric shock.

If it is necessary to repair or replace the cord or plug, do not connect the grounding wire to either flat blade terminal. The grounding wire has an insulated surface that is green. It may or may not have yellow stripes.

If you do not completely understand the grounding instructions, or if you are in doubt as to whether the IontoSonic unit is properly grounded, check with a qualified electrician or service man.

The IontoSonic unit is designed for use on a 110 V circuit. If you do not have access to a grounded outlet, you may use a temporary adapter until a qualified electrician can install a properly grounded outlet.

Trouble Shooting

If the IontoSonic MD-5000 is not working:

1. Make sure the Iontosonic switch is set in the “On” position.
2. Check the main power plug to ensure that it is plugged in properly to both the IontoSonic unit and an operating electrical outlet.
3. Check the fuse box on the backside of the unit (just above the Power Switch) and if necessary replace it with a two amp fuse.
4. If the Iontosonic MD-5000 is still not working, contact our authorized service center.

Hand Set Malfunction

1. Turn off Power Switch.
2. Make sure the connection between the handset cord and the main unit is firmly connected.
3. Turn the Power Switch back on and try again.
4. If the Iontosonic MD-5000 is still not working, contact our authorized service center.

Parts List with SKU's

Vitamin C Capsules	MDC10
Electrode Sponge	MDC15

Specifications

Dimensions

- ❑ 10 ¼" wide, 6" high, 8" deep (from front to back)

Electrical Input

- ❑ 120 volts
- ❑ 60 Hz
- ❑ 30 watts

Warranty Statement

The manufacturer (the “warrantor”) warrants to the original purchaser that this equipment will be free from defects under normal and proper operation for a period of one (1) year from the date of purchase. This warranty covers all parts and labor for that one (1) year period. This warranty shall not apply to any equipment that has been subjected to abuse, misuse, and alteration of any type or to any defect or damage caused by repair, replacement, substitution or use with parts other than parts approved by the manufacturer.

The manufacturer shall not be liable for the loss of use of this equipment, loss of time or business, inconvenience or any other indirect, consequential, special or incidental damages due to defects covered by this warranty or any implied warranty.

To implement this warranty, contact the dealer from whom you purchased the equipment. If necessary, you will be asked to return all, or the appropriate part, of the equipment. If warranted, the repairs will be performed at no charge and the equipment returned to you. Unit owner must prepay all shipping costs when returning items for warranty service.

This limited warranty is the only written or express warranty given by the manufacturer. This warranty gives you specific legal rights but you may also have other rights, which may vary from state to state or province to province.

Authorized Technical Service Center:

Universal Companies, Inc.
18260 Oak Park Drive
Abingdon, VA 24210
Phone: 1-800-558-5571
Fax: 1-800-237-7199
E-Mail: info@universalcompanies.com

