

LMT Laser MediTrade

THE MOST ADVANCED NON SURGICAL FAT REDUCTION AND CELLULITE
SMOOTHING SYSTEM

USER MANUAL



This system is designed by Hems & made according to the specifications
of

LMT Laser MediTrade

March 2014, Revision 01

Before attempting to use or operate the system, operator should read this manual and become thoroughly familiar with all its safety requirements and operating procedures

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Warning!!!

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This system is imported by LMT Laser MediTrade

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1. INTRODUCTION TO THE SYSTEM

Endocell EM is a multi-application esthetic device for:

- * Topical localized fat reduction
- * Cellulite reduction
- * Stretchmark smoothing
- * Skin elasticity enhancement

Endocell EM is for medical use in physiotherapy.

2. SYSTEM DESCRIPTION

This chapter provides a detailed description of the Endocell EM system, including its main components, controls, and technical specifications. Please review this material to familiarize yourself with controls, ports and connectors, as well as the consumable items used during treatment.

2.1. System Components and Controls:

The Endocell EM system consists of the following main components (Figure 1):

- System console (main unit).
- Touch screen.
- Three Handpieces (two shockwave handles and one giant RF handle).
- Footswitch.
- Supports.

2.1.1. Main Unit (System Console)

The main unit controls the operation of the entire system. It contains the following parts:

Control Panel:

The control panel serves as the user interface (touch screen) and is located on the front of the main unit.

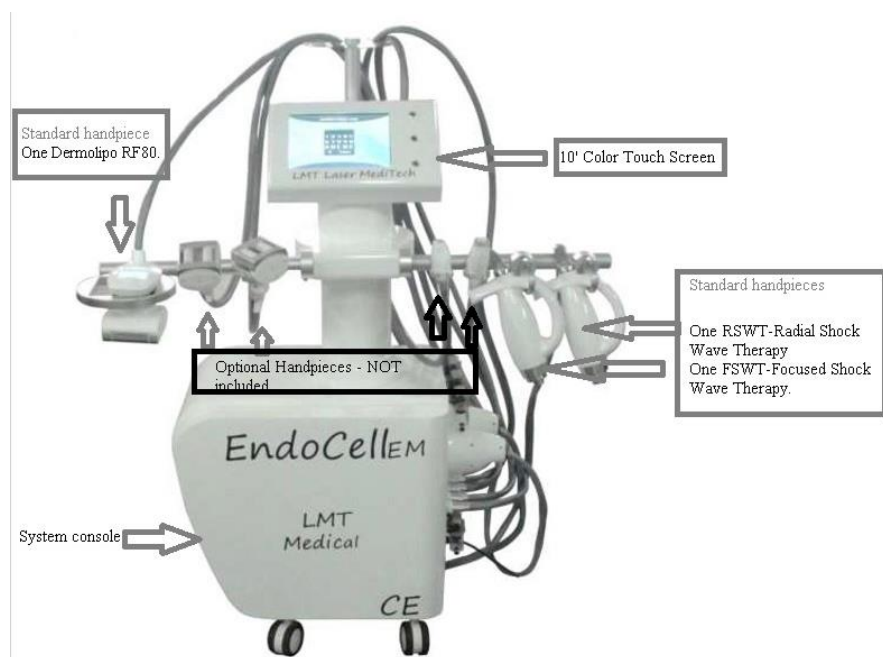
Touch screen: 10' Color Touch Screen

Handpiece:

The system comes with 3 handpieces:
One RSWT-Radial Shock Wave Therapy
One FSWT-Focused Shock Wave Therapy.
One Dermolipo RF80.

Footswitch: one footswitch

Supports: Two Supports for Fat Shocking Handpieces and One Support for RF Handpieces.



NOTE

Any damage to the packaging or to the system found prior to opening the package should be reported to LMT Company by photos and to the insurance carrier.

Any lack of the equipment list must be reported by E-mail or registered FAX to LMT within ONE week.

Unpack the System

- The system is delivered in a Honeycomb Box
- Cut the bandage and open the Box Cover while it is lying horizontally on the floor;
- Take out the package box of probes and cables;
- Pull the system out of Box
- Remove the Foam Brace(Left and Right) and Protection bag
- Locate the system carefully.

Equipment List

Please carefully check the following items that the **LMT Laser MediTech** System should include:

- Main Unit
- Applicators (RSWT-Radial Shock Wave Therapy, FSWT-Focused Shock Wave Therapy, Dermalipo RF80)
- Plus Water Bottle and Drains tube
- Two Supports for Fat Shocking Handpieces and One Support for RF Handpieces
- Screws
- Input Power Cable
- Fuse
- Foot Switch
- User Manual

Connect Cable and Probe

- Connect the Input Power Cable into the electric wall socket.
- Connect the Probes to Main Unit.
- Fill with coolant.

Applicator Installation

Please make sure the water tank is filled with [coolant](#) before Applicator Installation.

[Suggestion: Put special coolant into the water tank to make sure machine work better.](#)

1. RSWT-Radial Shock Wave Therapy. It uses low-energy acoustic waves to penetrate deep layers of the epidermis, dermis and subcutaneous tissue.



2. FSWT-Focused Shock Wave Therapy. It uses high-energy acoustic waves to penetrate deep layers of the epidermis, dermis, fat and subcutaneous tissue.



3. Dermalipo RF80. It is specifically designed to treat the abdomen, buttocks and thighs for the improvement of skin laxity, cellulite, body shaping and circumferential reduction.



3. General Precautions and Cautions

The following precautions, cautions and warnings must be observed for the safe use of the system.

Precautions

- Operator should read this manual thoroughly before attempting to operate the system.
- Probes must be kept clean at all times.
- The system is heavy and may cause injury if proper care is not used when moving it. The system is well balanced and is designed to be moved, but should always be moved carefully and slowly. Never pull the system by the probes.

Cautions

- Only after LMT authorization, then may service the system. This includes making internal adjustments to the power supply, **LMT Laser MediTech** system, probes, etc.
- Maintenance performed by the operator must only take place when the system is shut down and disconnected from the electrical power source. Performing maintenance procedures with the system powered-up can be hazardous to the operator and/or destructive to the system.
- Always turn off the system when it is not in use.
- Never leave the system in Pause Mode and Start Mode unattended.
- Never press the Start Soft key unless the probe is safely oriented at a specific and intended target.
- The probes must always be visually inspected before treating the patient. If any damage is apparent, do not use the probes.
- Never leave the system turned on, open or unattended during system maintenance.

NOTE

Please adjust the emitting energy step by step as per the communication with client.

Explosion and Fire Hazards

- The system is not suitable for use in the presence of flammable mixtures with air or oxygen.
- Do not operate in the presence of volatile solvents such as alcohol, gasoline or other solvents.
- Do not use any flammable substances such as alcohol or acetone in the preparation of the skin for treatment. If necessary, use soap and water to clean skin before treatment.
- If alcohol is used to clean and disinfect any probe, allow it to dry thoroughly before operating the system.
- Flammable materials must be kept at a safe distance from the system.

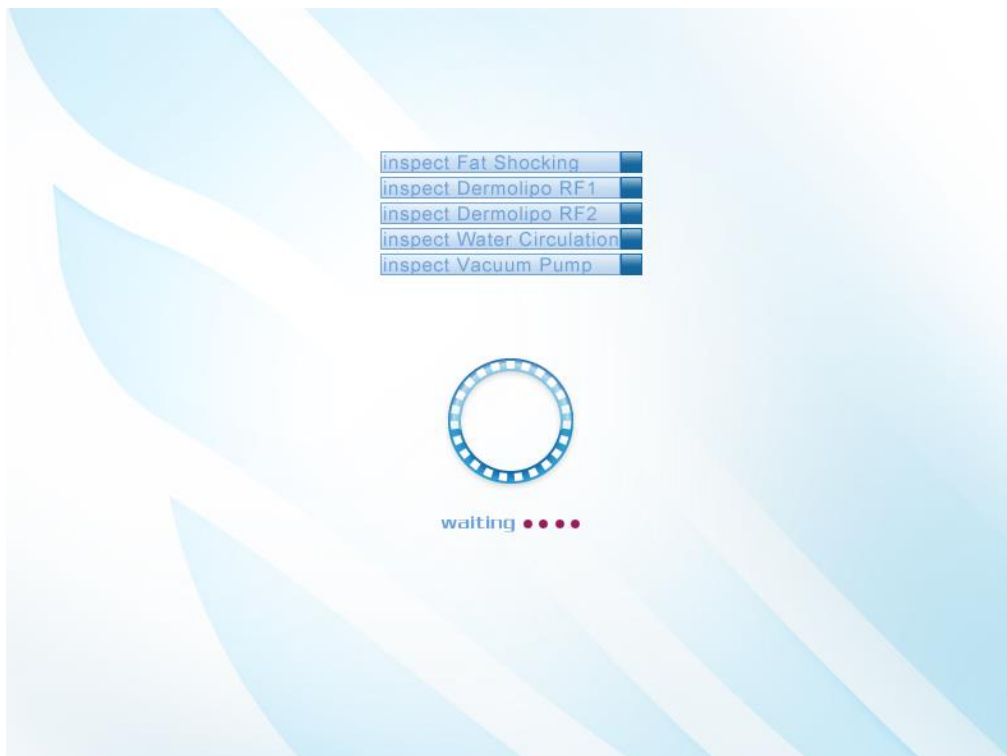
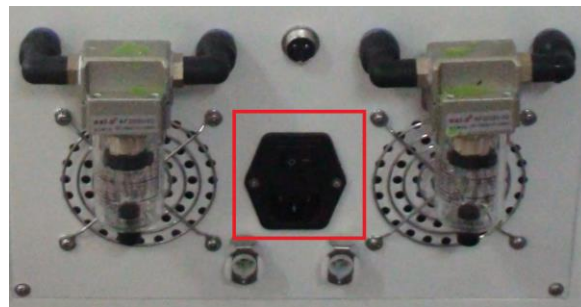
4. Operating Instructions

Prepare the System for Operation

1. Check the connection of the system and the AC mains power.
2. Ensure that the applicators are connected correctly.
3. Add Coolant into the water tank before switching on the system

Operating the System

Turn on the system and the display will be light on.



Enter into Logo interface



Authorization Code interface: The initial password is 888 888






Touch each applicator icon and enter into each applicator treatment interface

Enter Into Fat Shocking Treatment Interface

1. RSWT Energy icon : Touch and to set the shock wave power from 0MJ to 180MJ (It has six different energy: 0MJ, 60MJ , 90MJ, 120MJ, 150MJ, 180MJ).
2. RSWT Frequency icon : : Touch and to set the frequency from 1Hz to 21Hz.
3. RSWT Shocks icon: : Touch and to adjust the pulse of shock wave from 0 to 5000.
4. FSWT Energy icon : Touch and to set the shock wave power from 0MJ to 180MJ (It has six different energy: 0MJ, 60MJ , 90MJ, 120MJ, 150MJ, 180MJ).
5. FSWT Frequency icon : Touch and to set the frequency from 1Hz to 10Hz.
6. FSWT Shocks icon : Touch and to adjust the pulse of shock wave from 0 to 5000.
7. Start icon : Start the treatment.


8. Pause icon : Pause the treatment.




9. Return icon : Return to the main function interface.

Enter Into Dermalipo RF80 Treatment Interface



1. Treatment Time icon : Touch  and  to set the treatment time, every 1 minute an interval.

2. RF Power icon : Touch  and  to set the RF power from 0 to 100%, every 5% an interval.

3. Vacuum Power icon  (default 40Pa): Touch  and  to set the Vacuum power from 0 to 100 % (80 Pa), every 5 % (1Pa) an interval. (Default is 40Pa)

4. Motorized Rolling Working Modes icon : Touch  and  to set the Mode 0 to Mode 4.

Mode 0: Suction continuously

Mode 1: Suction 1 Second and then relax 1 Second

Mode 2: Suction 2 Second and then relax 1 Second

Mode 3: Suction 3 Second and then relax 1 Second

Mode 4: Suction 4 Second and then relax 1 Second

5. Contraindications

1. Pregnancy
2. Open or/and infected wounds
3. Tumors
4. Implanted metal materials
5. Untreated bleeding diathesis or use of anticoagulants
6. NOT to be used on the head, chest, heart region and spine.
7. Implanted cardiac pacemakers
8. children in growth period

Cautions!

No mode or button except power level control button can be changed when start button is on.

6. Treatment Protocols

- Shock Wave Treatment Frequency : 3 Times/Two Weeks, 1-20 Min
- RF Treatment Frequency: 2 Times/Week, 1-20 Min

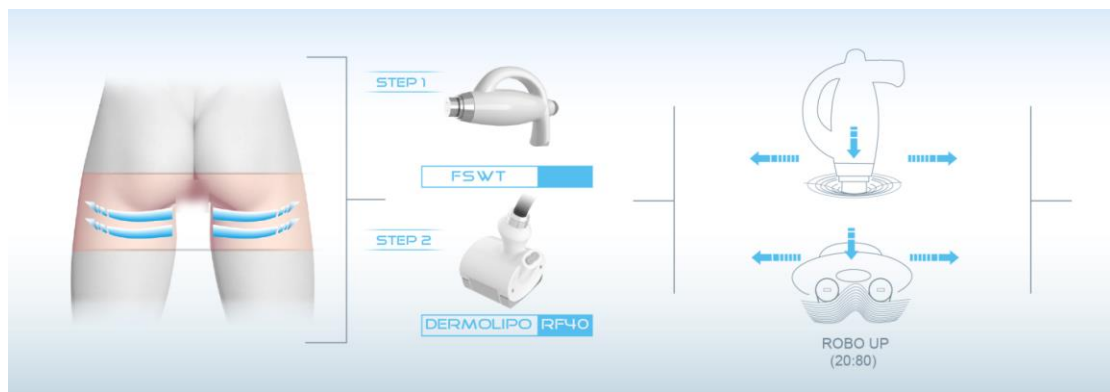
Suggestion: Put special coolant into the water tank to make sure machine work better.

1. For Cellulite Smoothing Treatment

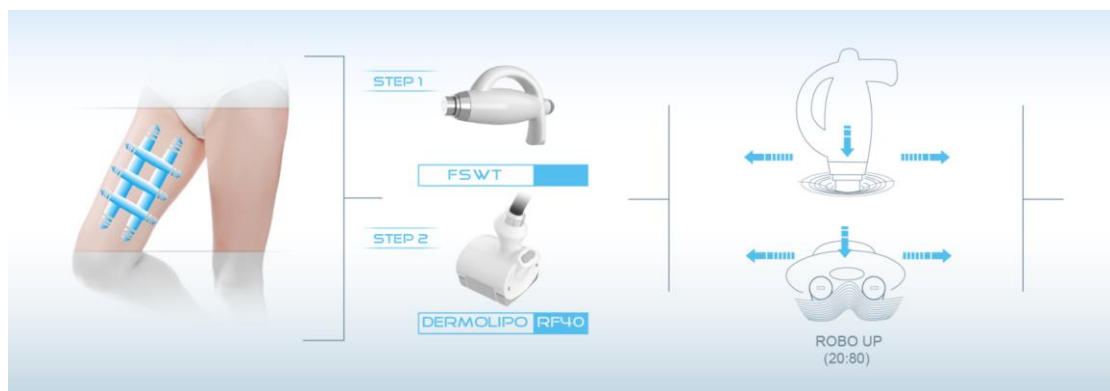
---Buttocks Cellulite



---Back Thigh Cellulite



---Inner Thigh Cellulite

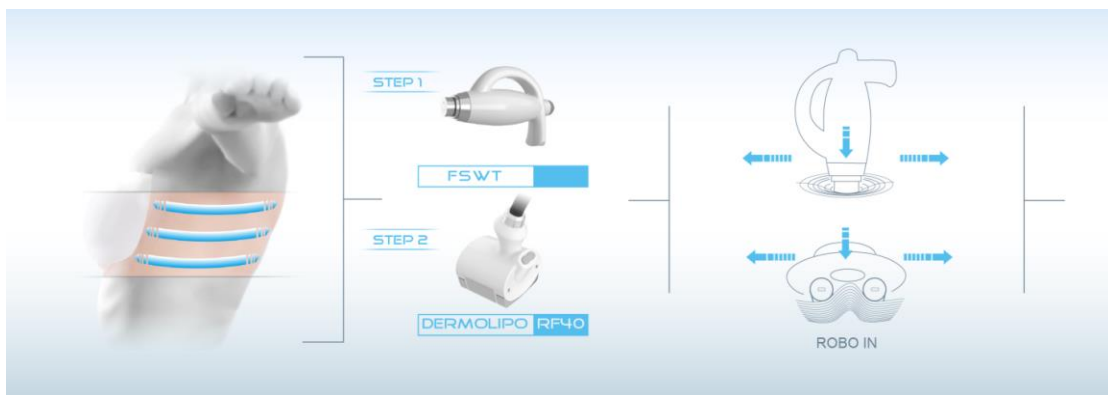


2. For Fat Slimming & Body Shaping Treatment

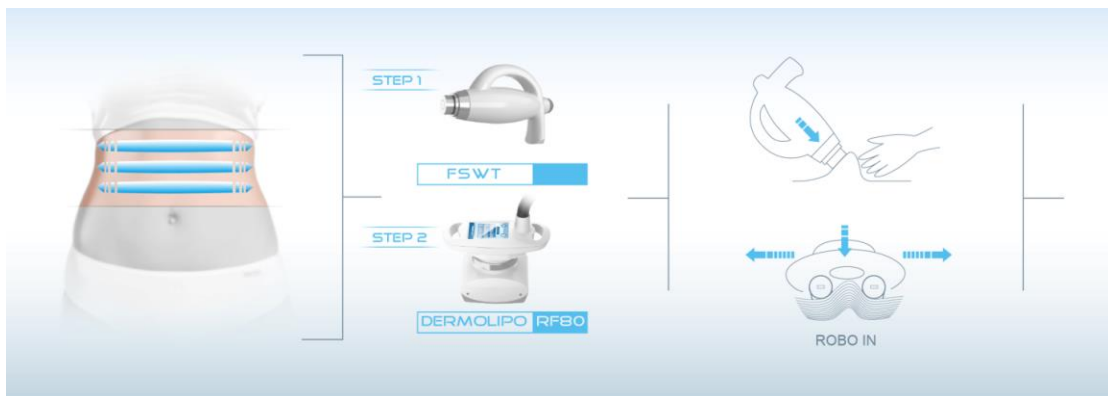
---Upper Arm Fat



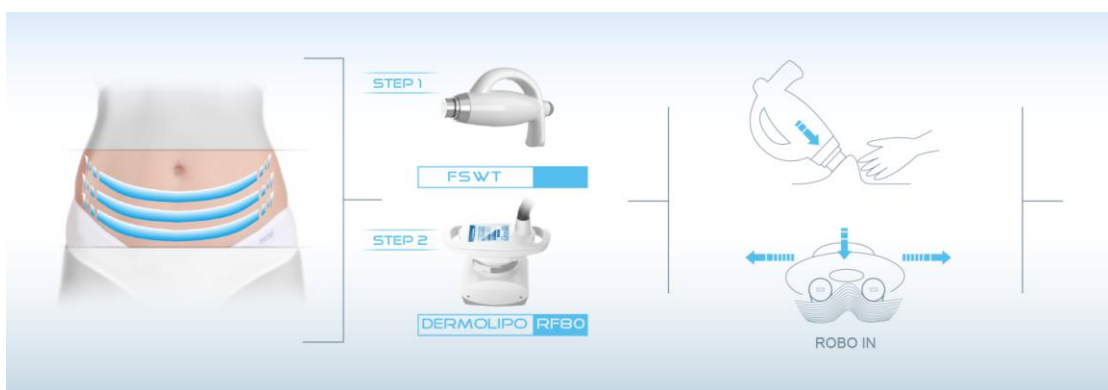
---Bra Line Fat



---Upper Abdomen Fat



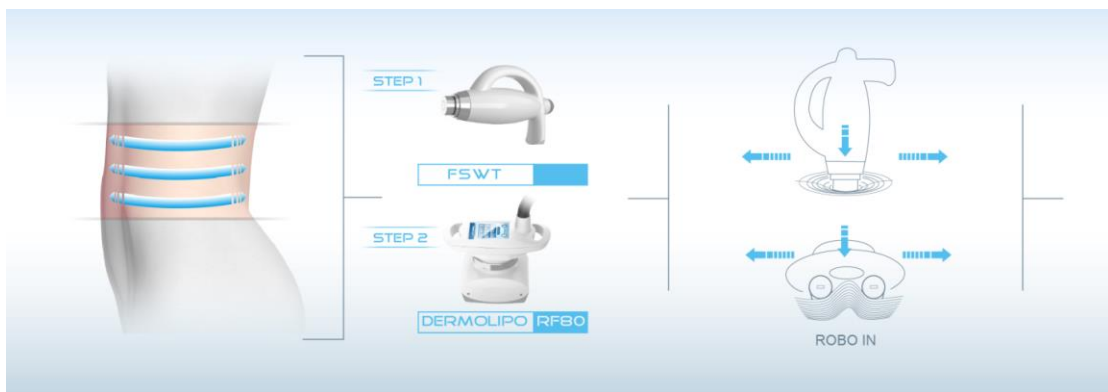
---Lower Abdomen Fat



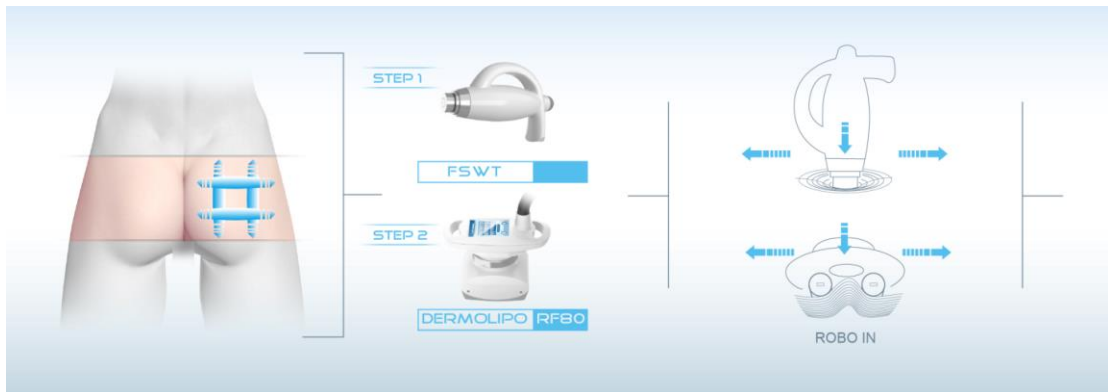
---Lower Back Fat



--Love Handle Fat



---Buttocks Fat



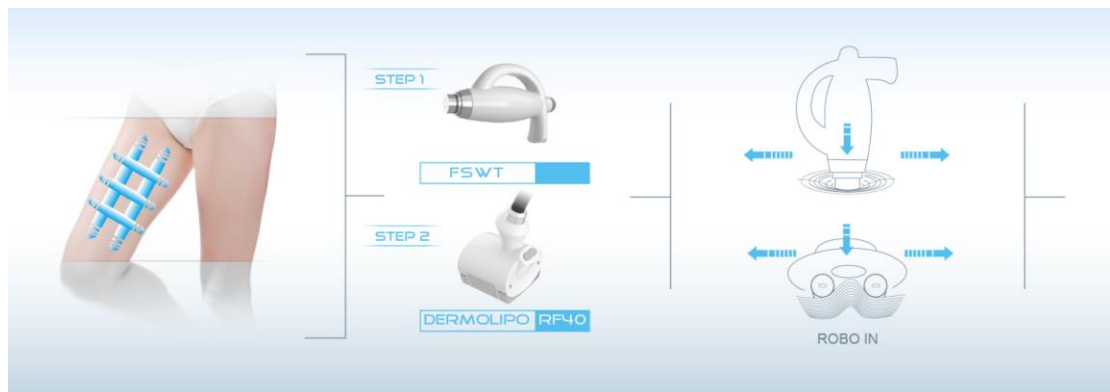
--Saddle Bags Fat



---Back Thigh Fat



--Inner Thigh Fat



---Inner Knees Fat

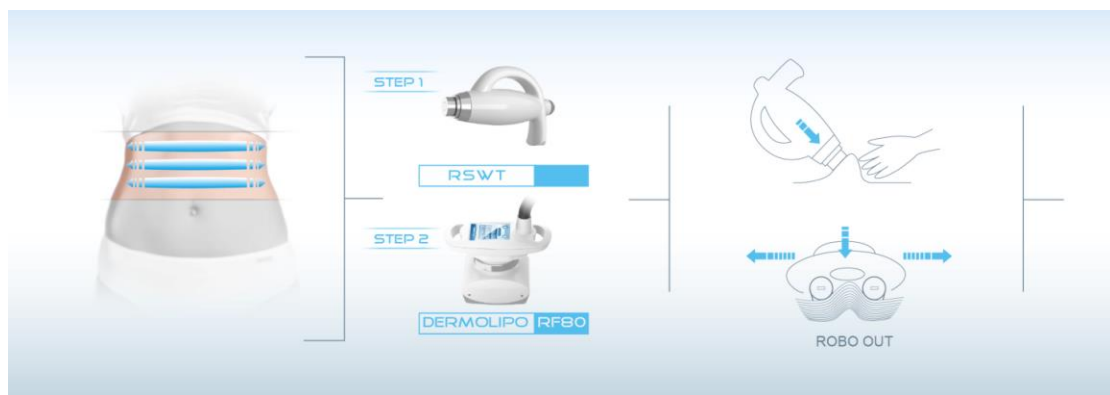


3. For Skin Firming Treatment

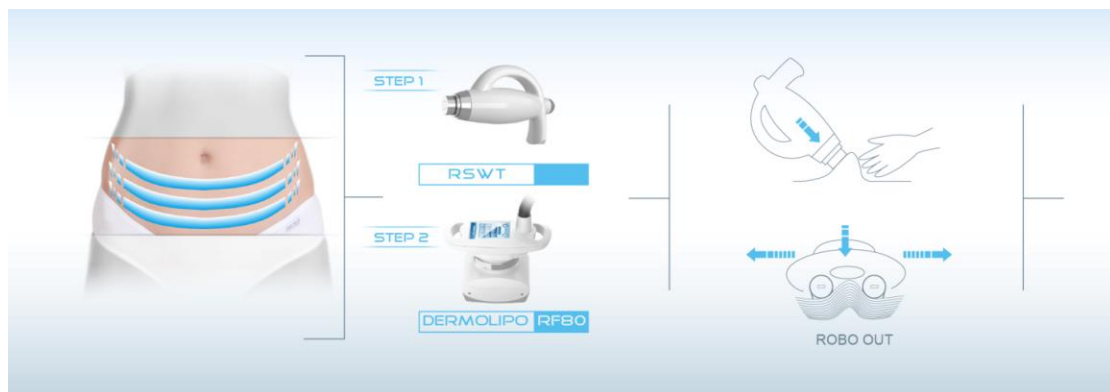
---Upper Arm Skin Firming



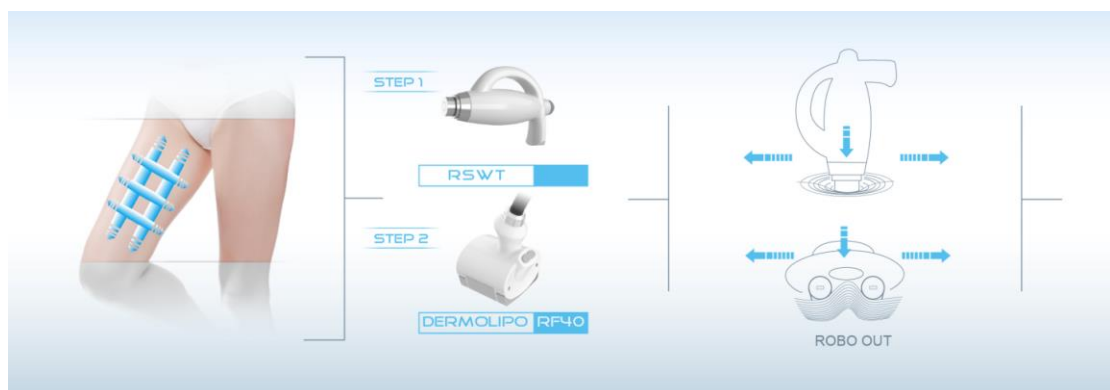
---Upper Abdomen Skin Firming



---Lower Abdomen Skin Firming

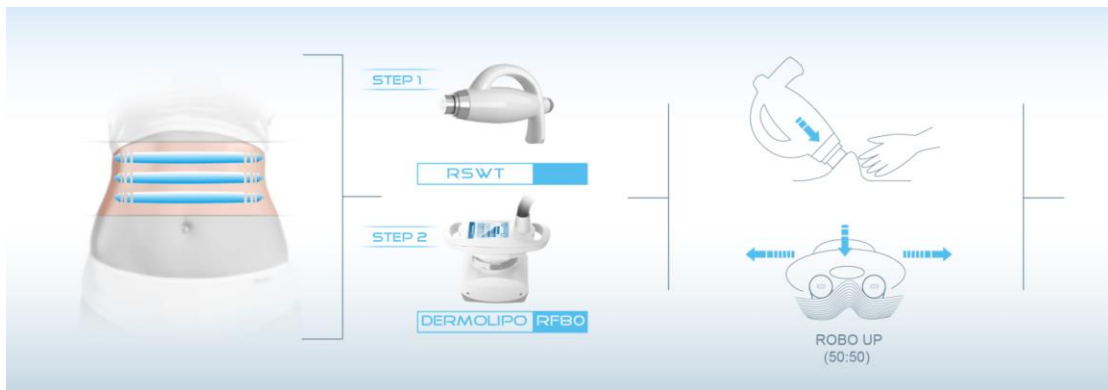


---Inner Thigh Skin Firming

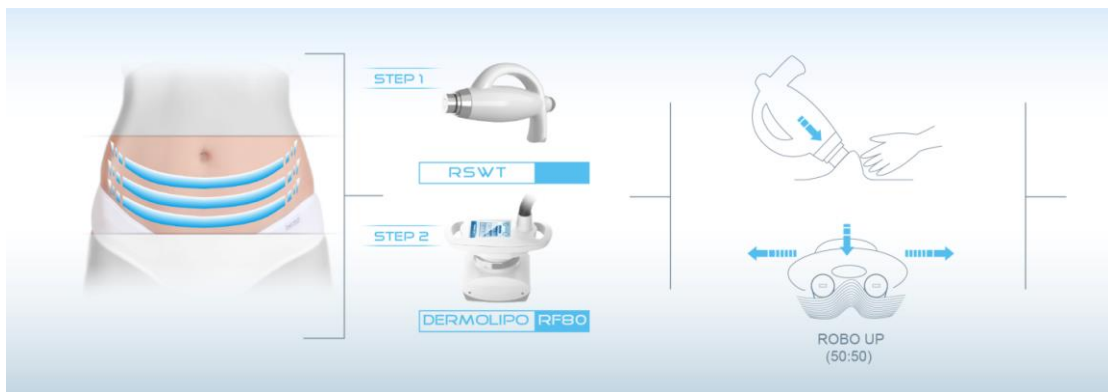


4. For Stretch Marks Smoothing Treatment

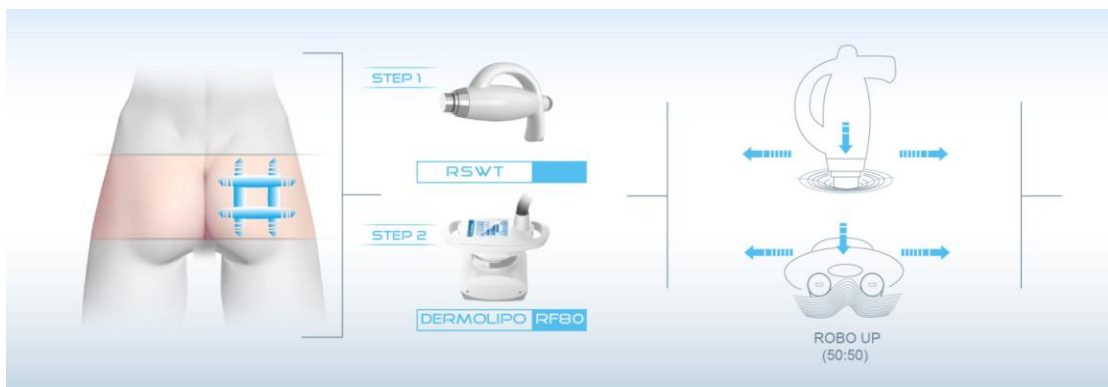
---Upper Abdomen Stretch Marks



---Lower Abdomen Stretch Marks



---Buttocks Stretch Marks





Warning!!!

- Before press the **START** button, apply **oil (Not Gel or Cream, to avoid blocking when use the vacuum function)** over the area to be treated for the treatment with vacuum function.
- Slide the probe slowly.
- Adjust the emitting energy step by step as per the communication with client.
- For abdomen treatment, must **avoid** the **navel**.

7. After Sale Service

Warranty Coverage

- LMT warrants defects in materials and workmanship for a period of 1 year from the date of original purchase.
- LMT will repair these products of no charge or refurbish the parts if it has any abnormal condition.
- 1.000.000 (one million) Shockwave shots
- 50 (fifty hours) work of the RF Handle.

Exclusions

This warranty is void and invalid in case of;

- Damage caused by accident, abuse, electrical instability, misuse or misapplication, it will be repaired with repair fee.
- Usage of the system by untrained personnel.
- Any modification without the LMT's approval or which have been subjected to electrical or mechanical abuse, or damage by improper use by either customers or any other third parties.
- A product or part that has been modified or replaced without any permission of LMT.
- A Product that has no serial number.
- If the warranted PRODUCT is not operated with the type and level of power required by LMT or the warranted PRODUCT is not otherwise operated in accordance with LMT's instruction.
- If the warranted product has not been properly maintained or has been subjected to misuse, negligence or abnormal conditions.
- If a warranted product is moved from the site of its original installation by anyone other than LMT personnel or without the prior express written consent of LMT.

Maintenance

LMT provides lifetime maintenance. Free of charge only during warranty period.

NOTE

- After treatment, keep the power on about 3 minutes to make inner board cooling.
- Please keep equipment in the shade, avoiding direct lay of light.
- Don't drop the equipment & keep it out of any shock.
- Clean probes after use.
- While moving the equipment be careful not to drop applicators.

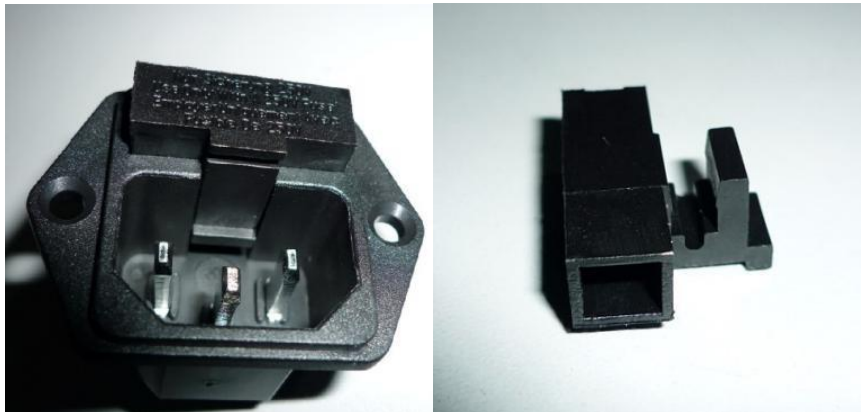
8. Engineering Drawing

The Engineering Drawing guides to check and repair the system.

When the system meets problem, please take the photos and give the feedback to LMT by email, LMT will handle the problems as soon as possible.

Fuse Replacement

- Turn off the system and disconnect the power cable from the outlet.
- Unplug the power cable from the power cable connection port on the service panel.
- Remove the fuse housing as shown in Figure below.
- Remove the burnt fuses from the housing and replace them with the new ones.
- Make sure that the fuses fit snugly within the fuse housing.
- Insert the fuse housing into its receptacle and push it in until it snaps into place.
- Connect the power cable to the system and to the mains outlet.
- Turn on the system and verify that it is functioning properly.



Caution

- Make sure that the type and rating of the new and the replaced fuses match.
- Always replace both fuses at the same time.

Filter Cleaning



9. Technical Data

Model	Endocell EM
Display	10' Color Touch Screen
Power Supply	AC110/240V, 50/60HZ
Fat Shocking	
Handpieces	1 RSWT and 1 FSWT
Handpiece Tip	Diameter 20mm
RSWT	Frequency 1-21Hz, Maxpower 180mJ
FSWT	Frequency 1-10Hz, Maxpower 180mJ
Radio Frequency	
RF Frequency	0.8Mhz, 2.0Mhz and Mix-Frequency
Vacuum Range	650 mmHg

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