



ANGELTOUCH®

MULTI-MODULATION-TECHNOLOGY

WHITE PAPER

October 2014

La Pierres®
Invented in USA

WHAT IS ANGELTOUCH?



Conceived as an advanced concept, and then brought into reality as a working product, AngelTouch is a state-of-the-art skin care device fully loaded with technology.

AngelTouch generates ultrasonic modes at frequencies of 2.5MHz and 5MHz across a single metallic skin care surface, enabled by La Pierres proprietary multi-modulation-technology (MMT). The skin care surface itself is artistically curved and extending across the entire top-to-bottom length of the AngelTouch device. This curved shape gives our user a unique advantage of a very large active skin care area, while also enables unrestricted access to the trickiest curvatures around the facial area. This artistic piece of metal with a delicate top dome is carefully crafted and made from surgical grade stainless steel, and then polished to a spotless mirror finish.



WHAT IS MMT and HOW DOES IT WORK?

MMT have 2.5MHz and 5MHz ultrasonic modes that are produced at practically the same time over the curved surface, with 5MHz mode traversing the entire metal surface, while the 2.5MHz focusing around the top area. At 5MHz, the ultrasound mode is superficial, with an estimated penetration depth of 5mm. At such superficial depth, it is ideal for skin cell activation. While for the 2.5MHz ultrasound mode, it may reach a depth of 1cm and can help increase blood flow of tissues underneath the surface skin and helps penetration of active ingredients from serum or cream type skin care products.

WHAT ARE THE BENEFITS OF MMT?

The benefit from ultrasound mode alone has already been well reported. The warming effect from the ultrasonic modes on skin cell and underlying tissues can help increase blood flow, increase tissue metabolic rate, reduces spasm, pain, and chronic inflammation, as well as altering the viscoelastic properties of collagen and inhibit sympathetic activity. Thus, it helps increase the general health of the skin. By combining the skin care serum and cream products with the MMT from AngelTouch, it offers an experience of enhanced effect from the active ingredients with greater efficiency and lasting effect.

WHAT ARE THE BENEFITS OF ANGELTOUCH?

AngelTouch is designed to be a simple operation, ergonomic handling, artistically beautiful, and yet powerful in producing differentiating skin care results. The ultrasonic modes are optimized such that user choosing of power setting is not needed. User can focus on using the AngelTouch device upon the skin area of interest and focus on the skin care results, rather than being distracted by device operation nuances. On/off operation of the device is through a simple tapping gesture with finger tips.



WHAT ARE THE RESULTS AFTER USING ANGELTOUCH?

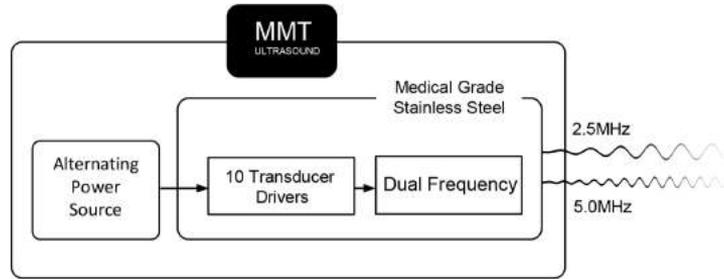
Early users of AngelTouch reported obvious skin condition improvement after using the device within a period of 2 to 4 weeks. Some user reported the facial fine lines that couldn't be suppressed after year long use of specialty skin care serum is suppressed after applying same serum with using AngelTouch in less than 3 weeks. Other user reported after using AngelTouch with her daily lift serum for 30 days, her smile lines that were deeply engraved around the mouth area became almost invisible. Most users reported overall facial skin looking younger and healthier after using AngelTouch in their daily skin care routine. These results are representative of what early users reported for their own experience after using AngelTouch. For different users, actual effects may differ and caution should be employed in the case where the user has a sensitive skin to ultrasound treatment.

- 12 Granted Patents Worldwide -

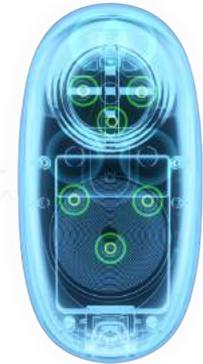


Mechanical Structure

MMT block diagram



AngelTouch Device



The basic architecture of the design has 10 transducer drivers masked onto the medical grade stainless steel to reproduce the exact dual-mode of ultrasound necessary to treat the skin. It is a revolutionary patented design invented by La Pierres.

ANGELTOUCH & ANGELFORMULA

THE CHALLENGE: SKIN CARE INTEGRATION

Having defined the key principles of the MMT ultrasound was the first step. Designing a complete product with the right surface material for treatment effectively, took another full year.

The challenge was huge, and not unfamiliar to ultrasound frequencies: reproducing dual-mode of ultrasound onto the same surface simultaneously and enhancing the effect of different creams and serums require key experts in the skin care industry.

The reason is simple: in-order to glide the medical grade stainless steel smoothly, we have tested creams and serums with a wide range of viscosity that can work perfectly onto the skin.

Compatible with the AngelTouch comes a new formulated skin care product called AngelFormula. Based on proprietary formulas created for AngelTouch, our skin care experts created different types of creams and serums that work best with your skin.

This is what we called “quality ingredients for technology”. The role of the AngelTouch is to nourish your skin by driving the AngelFormula's active ingredients deeper into the skin rather than using your hands and fingers which is less effective.

Today, realizing the effective treatment of AngelFormula with the AngelTouch, the platform created by La Pierres opens the door for other brands to integrate their skin care creams and serums with the AngelTouch device.

ANGELTOUCH SPECS

PERFORMANCE

SAFE ULTRASOUND
Ten excitation points

PATENTED TECHNOLOGIES
Multi-Modulation-Technology (MMT) with acoustic modes

FREQUENCY
Alternating 5MHz and 2.5MHz

TREATMENT DEPTH
0.5cm superficial : 1cm deep penetration

ACTIVE MOLECUE MOBILIZATION
5,000,000 micro-tapping per second

CHARACTERISTICS

SIZE & WEIGHT
Length : 103.5 mm | Height : 32.72 mm | W : 53.74 mm
Weight : 116 grams

MATERIALS
Plastic body | Polished metal plate

Polished stainless steel plate | Swarovski elements or
White body Platinum plate | Diamond elements (Limited Edition)

FUNCTIONALITIES

DELIVERY SYSTEM
4ml drop-in loading cartridge, direct dispensing

APPLICATION
Daily skin care practice for Anti-aging purpose
Use together with AngelFormula or other compatible skin care products

POWER
Touch sensor, Wireless charging, Automatic intelligent control

OPERATING TEMPERATURE
-10°C ~ 40°C

