L'ORÉAL PLAUTY

PLASMA-BEAUTY

Portable Plasma Skincare Device





ABOUT US TEAM: Plenty



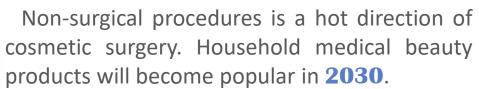


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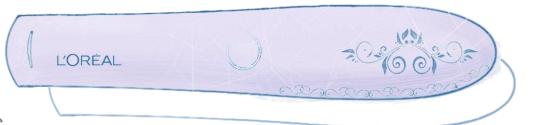
XJTU, Postgraduate



Extending from the technology of skincare system, **PLAUTY** is a novel product for face, hands and body.

It utilizes the plasma effect of sterilization and organic resolution.

PLAUTY can speed up assimilating of skin care product from **HELENA RUBINSTEIN**, **LANCOME**, **SkinCeuticals**, bringing effects like whitening, collagen regeneration and so on.



Beauty Archive

Q1: How we got the name PLAUTY?

A: PLAUTY comes from the plasma technique together with the theme of beauty 2030.

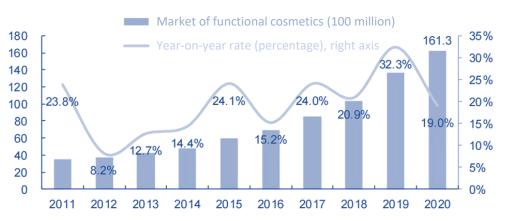
Q2: What's the composition and usage of this product?

A: PLAUTY consists of a cosmetic instrument (charger equipped) and an APP to match with the device.

It can convert moisture and oxygen in the air into the state of plasma, and effectively penetrate the ion electrons generated in this process into the skin.

To improve the whole effect, skin care products are recommended during or after use.

Domestic market size of functional cosmetics



STEP - How to Use

Synchronize Your PLAUTY

The skin care device is connected with a mobile app through Bluetooth or Wi-Fi, which means it can send real-time data to the app after each detection. After cleansing the face, take a clear photo and upload it into the app for further analysis.



The app also functions as a user's manual.

After choosing a mode that is fitted with the user's skin condition, the app will provide a series of procedures related to certain mode.

According to the steps on the app (a step-by-step voice broadcast is applicable), users can easily operate without checking other instructions.



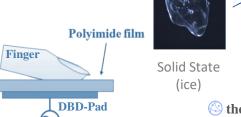
Skin Analysis

The app will analyze the photo uploaded by user and point out problems after comparing database via computer vision.



4 Recommending and Chat Box

Using Big Data, the app will recommend suitable products on the basis of users' current skin condition and preferences. Users can share experiences through Chat Box.



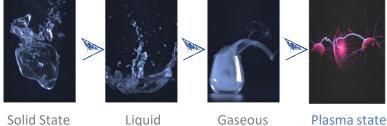
Floating Electrode (Finger)



DBD-Pad

Aging cell

Plasma generated around the skin of the finger contacting the surface of the DBD-pad



(2) the Prototype of a Skincare Device that generates plasma around the skin in contact with a DBD-pad

(water)

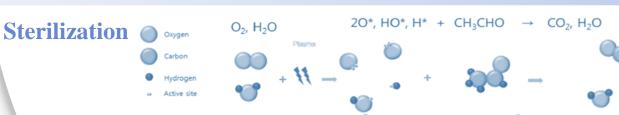
ĽORÉAL

The device comprises two pads made of thin polyimide film as the dielectric layer, namely, the dielectric barrier discharge pad (DBD-pad) for skin-touch and a capacitive ground-pad (G-pad) for hand holding.



(gas)

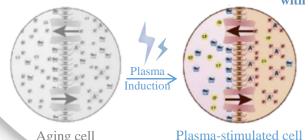
THEORY & FUNCTION



1) high atmospheric pressure 2 stabilize by bonding with bacteria

3 rupture bacteria and convert into CO2, H2O

(Ionized gas)



Skin Regeneration

DBD-Plasma brings out the changes of membrane potential, so that ions can pass through the membrane and equilibrium potential. thus tightening the skin.







Estimated Market Size: **\$2,000,000,000**

Estimated User Scale: \$10,000,000



Target Market Penetration Rate: 1%

Target Market Share: 80%

SS PLAUTY & APP

(Normal size, better portability)

+GIFT CARD+CHARGER

399\$6

(Compare with similar technique products)

User Portrait

Age 20-40, Female



- middle class
- tech-savvv
- eager to try new things
- skin care awareness
- start from Asian countries



Online Distribution

- ★ Online shopping platform
- ★ L'OREAL Official website

Offline Distribution

Product Development

- ☆ Available among all L'OREAL stores around the world.
- ☆ Advertise PLAUTY in offline stores.

Promotion

√ **Print App's QR Code** on L'OREAL skin care products' packaging to promote target consumers to download apps and then buy PLAUTY.

√ **Send discount messages** to L'OREAL skin-care product consumers.

Promotion & Advertising

Target Income \$4,000,000 in 2030

Place

ADVANTAGES

advantage, while barriers have to be overcome, as the application of latest technology to product needs huge amount of research cost.

Before you use PLAUTY, you may buy skin care product. Therefore, existing L'OREAL product matrix can all become PLAUTY's complementary goods. The selling of PLAUTY will have a positive effect on other products.

The development of PLAUTY requires technologic

3 PLAUTY's supporting APP will give skin-care advice to users individually and record their purchase information, by which the company can do precision marketing.

Pricing Strategy

- ★ Use H2O as raw material, no pollution and waste will be generated.
- * Recyclable and environmentally friendly.
- ☆ Support the usage of L'OREAL's all kinds of skin care products and will have an increasement on its skin care effects.
- \(\text{Encourage people with different skill conditions to use.} \)