



beauty Plas Concept

Plasma treatment of skin

The prototype beautyPlas was developed for cosmetic plasma treatment of the skin and can also be used in manicure and pedicure, for example to prepare nails for the application of nail polish or artificial nails. Here, the adhesion is increased, so that nail polishes and artificial nails last both better and longer.

The beautyPlas Concept is a handheld plasma device with a specialized nozzle for skin treatment and requires no external gas input. It uses an innovative, compact form of plasma generation for non-thermal or "cold" plasma. To reach the high performance level the CeraPlas™ component of TDK is integrated.

The beautyPlas is developed for the cosmetic treatment of the skin where the cold atmospheric pressure plasma acts in a complex way: via UV rays, reactive species and electric fields.

Possible applications of cold plasma:

- ◇ Skin rejuvenation
- ◇ Reduction of impurities
- ◇ Skin cleaning
- ◇ Subdermal skin tightening
- ◇ Lightening of dark pigmentation disorders
- ◇ Plasma treatment on finger nails prior to coating with a varnish

relyon plasma is now looking for a development partner in the field of skin treatment to take the beautyPlas Concept from concept to the finished device.



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