

# CARE AND PROTECTION IN ONE STEP WITH INNOVATIVE COLD PLASMA TECHNOLOGY



NATIONALES ZENTRUM  
FÜR PLASMAMEDIZIN e.V.

**GEHWOL**  
TECH 

# COLD PLASMA

## INNOVATIVE COLD PLASMA TECHNOLOGY

Atmospheric cold plasma offers completely new possibilities in cosmetics and cosmetic foot care—a gentle, purely physical method that can be easily integrated into existing treatments while helping to visibly refine and beautify the appearance of the skin.

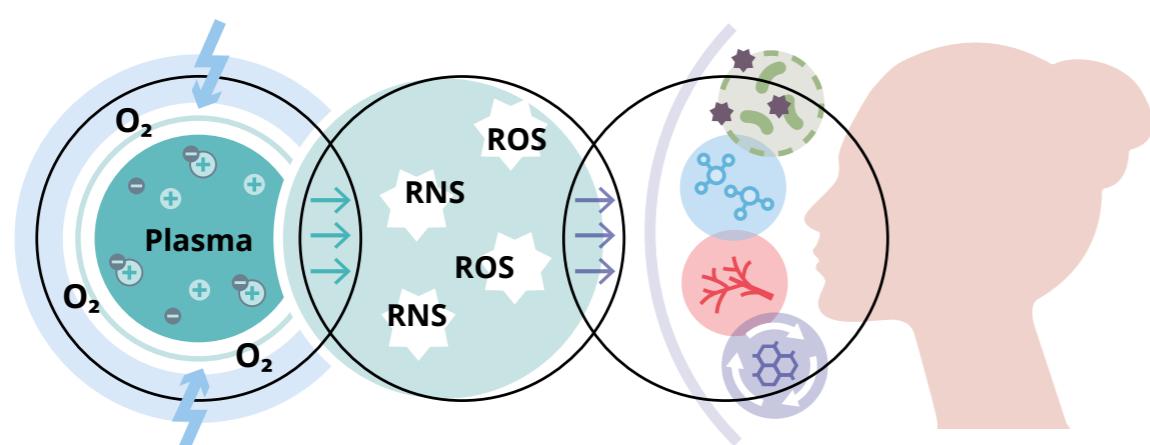
### BUT FIRST: WHAT EXACTLY IS COLD PLASMA?

Cold plasma is the result of a physical process in which a gas (e.g., oxygen) is electrically ionized by the supply of energy. The Dr.plajin cold plasma device generates its cold plasma directly from the ambient air – safely, without contact, and without any consumables. This creates a highly active mixture of activated oxygen and nitrogen molecules (ROS/ RNS). This cocktail supports various metabolic processes that are important for skin regeneration and activates protective mechanisms such as germ defense, nutrient synthesis, improved blood circulation, collagen and elastin formation, and cell regeneration.

Cold plasma can therefore also be used to improve the appearance of the skin. Bei kaltem Plasma ist die Energiezufuhr so moderat, dass es nur zum Teil ionisiert wird. With cold plasma, the energy input is so moderate that it is only partially ionized. The temperature is then in the range of body heat, making it skin-friendly and safe to use. Treatment with cold plasma is purely physical, without the addition of external gases or materials.

### NURTURING, PREVENTIVE EFFECT ON HEALTHY SKIN

Regenerative for healthy skin cells: At the same time, microcirculation is promoted, growth factors are activated, and regeneration is stimulated.



Cold plasma generation using oxygen and energy at 38°C

Plasma cocktail with highly reactive nitrogen (RNS) and oxygen molecules (ROS)

Activate protective processes such as germ defence, nutrient synthesis, improved blood circulation, collagen and elastin formation and cell regeneration

### COLD PLASMA APPLICATION – EXEMPLARY INDICATIONS

INDICATION	GOAL	DURATION	DISTANCE	PROGRAM	CARE
Classic foot care	Gentle cleansing, care, callus removal	30 minutes	10 – 30 cm	Foot bath, callus removal, nail trimming, full-area plasma application, care cream	GEHWOL FUSSKRAFT Intensive Cream
Dry, cracked skin	Increase moisture, strengthen skin barrier	10 minutes	5 – 10 cm	Cleansing, removal of dry callus, spot plasma application, care mask	GEHWOL MED Lipidro Cream
Fissures, small cracks	Support wound healing, relieve itching, regenerate skin	10 minutes	5 – 10 cm	Cleansing, targeted plasma application, regenerating care	GEHWOL MED Salve for Cracked Skin
Foot bath	Detox and relaxation	30 minutes	10 – 30 cm	Foot bath, full-area plasma application, oil massage	GEHWOL FUSSKRAFT Herbal Bath, GEHWOL Foot Bath, GEHWOL Bath Salt
Scrub	Skin renewal, glow effect	30 minutes	10 – 30 cm	Peeling, full-area plasma application, hydrating lotion	GEHWOL FUSSKRAFT Soft Feet Scrub, GEHWOL FUSSKRAFT Soft Feet Cream
Anti-Aging foot care	Improve skin density and elasticity	30 minutes	10 – 30 cm	Cleansing, callus removal, plasma application	GEHWOL FUSSKRAFT SOFT FEET Cream
Sensitive skin / Redness	Soothing and protecting the skin barrier	30 minutes	10 – 30 cm	Gentle cleansing, mild plasma application, calming lotion	GEHWOL FUSSKRAFT Repair Cream, GEHWOL MED Sensitive Cream

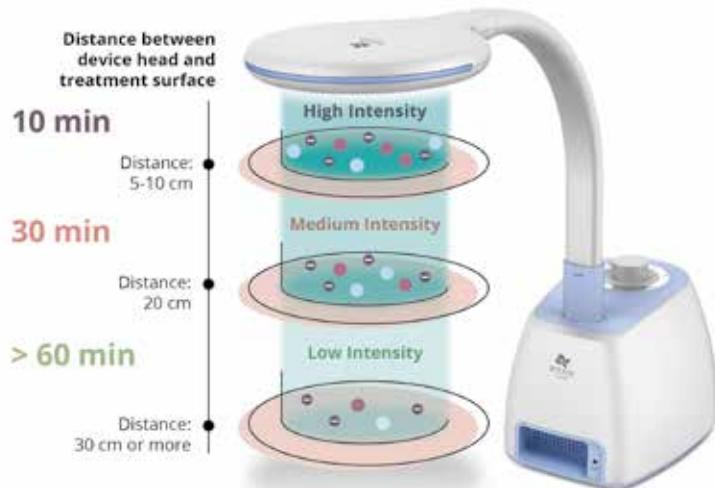
### IN COSMETIC FOOT CARE

INDICATION	GOAL	DURATION	DISTANCE	PROGRAM
Impure skin	Gentle cleansing, care, and deep pore cleansing	30 minutes	10 – 30 cm	Gentle cleansing, care, and deep pore cleansing
Anti-Acne treatment	Reduce inflammation, stabilize skin microbiome	10 minutes	5 – 10 cm	Cleansing, anti-inflammatory mask, cold plasma, light serum
Sensitive skin treatment	Soothing and reducing redness	10 minutes	5 – 10 cm	Cleansing with calming product, <b>no extractions</b> , cold plasma, soothing mask
Anti-Aging therapy	Stimulate regeneration and skin firming	30 minutes	10 – 30 cm	Cleansing, enzyme/fruit acid peel, cold plasma, anti-aging serum, finishing care
Fruit acid treatment	Faster regeneration and soothing	30 minutes	10 – 30 cm	Skin analysis, fruit acid application, neutralization and calming, cold plasma, hydrating care
Device-based cosmetics	Accelerate healing, (!) prevent infections	30 minutes	10 – 30 cm	Cleansing, cold plasma, device-based treatment, regenerative serum, calming finishing care
Moisture booster	Deep penetration of active ingredients	30 minutes	10 – 30 cm	Cleansing, enzyme peeling, cold plasma, hyaluronic serum + sheet mask, moisturizing care
Scar treatment	Promote healing, smooth tissue	30 minutes	10 – 30 cm	Cleansing, light abrasive peeling, cold plasma, scar serum

### IN COSMETICS

# INTENSITY AND DISTANCE DEPENDENCY FROM THE DEVICE HEAD

## TREATMENT DURATION



The plasma concentration of reactive species (ROS/RNS) depends on the distance between the device head and the treatment surface. The shorter the distance, the higher the intensity, the shorter the treatment time – and vice versa.

● Free electrons, ● Reactive oxygen species (ROS), ● Reactive nitrogen species (RNS)

The Dr.plajin cold plasma device works completely contact-free and generates effective plasma components directly from the ambient air. The intensity of the treatment can be easily controlled by adjusting the distance to the skin.

A smaller distance ensures a higher plasma concentration and shortens the treatment time, while a larger distance has a particularly gentle effect with a consistently uniform treatment area.

## ADVANTAGES AT A GLANCE

- **Gentle & painless:** contactless application from a distance of approx. 10 cm, intuitive and simple.
- **No consumables required:** hygienic, sustainable, low-maintenance, and cost-effective.
- **Largest available treatment area:** 400 cm<sup>2</sup> – also covers surrounding skin areas for effective prevention.
- **Mobile & flexible:** compact design, easy to transport, ready for immediate use.
- **Effective additional revenue without extra effort:**

Number of clients	Working days per year	Additional Revenue (€/year)*
■ 2 clients per day	■ ca. 200 after vacation	■ 12.000 € to 36.000 €
■ 4 clients per day	■ ca. 200 after vacation	■ 24.000 € to 72.000 €
■ 6 clients per day	■ ca. 200 after vacation	■ 36.000 € to 108.000 €
■ 8 clients per day	■ ca. 200 after vacation	■ 48.000 € to 144.000 €
■ 10 clients per day	■ ca. 200 after vacation	■ 60.000 € to 180.000 €
⇒ Each treatment includes one cold plasma session 10–30 minutes.		*calculated at 3 € per minute

The fairly calculated price for a cold plasma application is around 3 € per minute. This results in an additional 30 € to 90 € in revenue per session, depending on treatment duration and service offered – without significant additional effort, making it highly profitable!

## TECHNICAL DATA:

### Medical device

Dimensions of device body (W x L x H):	26 cm x 33.5 cm x 21 cm
Dimensions of treatment head (W x L x H):	22 cm x 29 cm x 39 cm
Total weight:	7.5 kg

## COLD PLASMA DEVICE DR.PLAJIN

**Scope of delivery:** Cold plasma device, grounding bracelet, adapter, power cable, instruction manual

### Order No.

302 400 000

### Accessories

Order No.	Accessories
302 400 010	Metal earthing bracelet for cold plasma device Dr.plajin



EDUARD GERLACH GmbH

Bäckerstraße 4-8 // 32312 Lübbecke // Germany

Phone +49 5741 330-0 // [info@gehwol.de](mailto:info@gehwol.de)

[www.gehwol.de](http://www.gehwol.de)