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Технические характеристики на азотно-плазменные системы NeoGenPSR КОМПАНИИ Energist NeoGen

NeoGen NeoGenPSR

NeoGenPSR gives physicians the full spectrum of the technology's energy capabilities and repetition rate, with the added benefit of a double pulse rate.



OVERVIEW

FULL SPECIFICATION

- Advanced pulse functionality
- Ideal for treating more severe skin conditions
- Transformative treatment solutions
- An effective complement, or alternative, to surgical procedures
- Comparable results to a CO₂ fully ablative treatment with less downtime

APPROVED INDICATIONS

Acne Scars

Actinic Keratosis

Facial Rhytides

Non-facial Rhytides

Pigmented Lesions

Seborrheic Keratosis

Viral Papillomata



OVERVIEW

FULL SPECIFICATION

Device Classification:	Class IIb
Energy Range:	0.5 J – 4.0 J
Pulse Rate:	Double pulse
Repetition Rate:	1.0-2.5Hz
Nozzles:	25mm/5mm
Power:	100-120/230Vrms – 50/60Hz – 650Va
Dimensions:	470 x 430 x 1060mm
Gas Requirement:	Medical Grade Nitrogen
System Weight:	18kg/40lb
Trolley Weight:	25kg/55lb (excludes gas tank)
Ambient Environment:	0 to 40 Celsius
Relative Humidity:	30 to 75%
Atmospheric Pressure:	70.0 to 106.0kpa

NeoGenPSR



NITROGEN PLASMA TECHNOLOGY

SKIN REGENERATION

SKIN RESURFACING

SKIN TIGHTENING



Acne scars*

Viral papillomata

Actinic keratosis*

Seborrheic keratosis

Superficial skin lesions

Wrinkles & Rhytides (facial and non-facial)

*Cleared medical indications according to the device's CE certification

The NeoGenPSR System



ADVANCED PULSE FUNCTIONALITY

NeoGenPSR enables Practitioners to maximise the energy capabilities of NeoGen Plasma technology with access to the full energy range (0.5 - 4.0J) and repetition rate (1 - 2.5 Hz), with the added benefit of the double pulse functionality for deeper penetration of thermal energy into the skin.

IDEAL FOR MORE SEVERE SKIN CONDITIONS

NeoGenPSR is ideal for addressing more severe clinical indications which require a greater thermal effect.

AN EFFECTIVE COMPLEMENT AND ALTERNATIVE TO SURGICAL PROCEDURES

NeoGenPSR can be used safely and effectively in conjunction with facial and non-facial surgical procedures, such as surgical facelifts, scar revision and threads.

The **NeoGenPSR** is also an effective alternative to surgical procedures such as blepharoplasty.

TAILORABLE PROCEDURES

Pre-set treatment programmes with variable energy settings support rapid, tailorable treatments, and provide the Practitioner with precise control to meet Client needs.

Unique and Safe Technology

NeoGenPSR converts nitrogen gas into plasma, the fourth state of matter. The plasma emerges from the handpiece in controlled pulses and rapidly heats the tissue as the plasma gives up its unique thermal energy.

Treated Skin Remains Intact

The treated epidermis is not ablated, vapourised or punctured, instead it remains intact, creating a natural biological dressing providing protection and accelerated healing. A specific depth of resurfacing can be achieved by tailoring the energy level.

Long Lasting Results

Clinical studies show neocollagenesis and a reduction in elastosis continuing for more than one year post treatment, and results lasting for years.

Lift and Brighten Eyes

Plasma can be pulsed directly onto to the eyelids, up to the lash line, and wider periorbital area without the need for ocular guards.

Treating the Skin's Whole Architecture

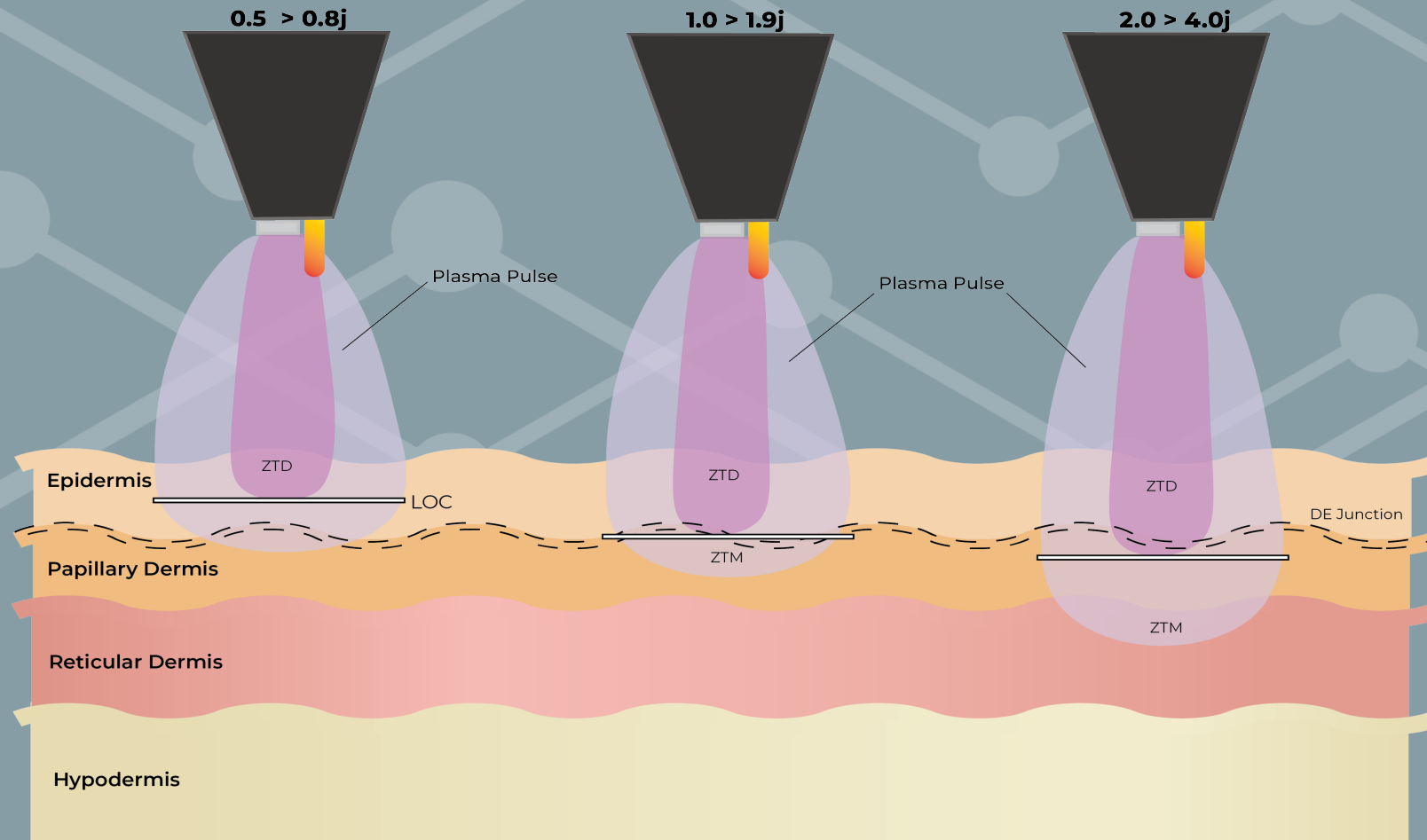
Unlike fractionated technologies, NeoGenPSR treats the whole surface and all layers beneath, improving skin tone, texture, volume and health.



Full Face Treatment at 1J.
Image courtesy of Emergent Medical Technologies

Tailorable Treatments That Meet The Client's Needs

The **NeoGenPSR** provides a broad energy range (0.5 joules to 4.0 joules), enabling the Practitioner to provide bespoke treatments to meet Client's results and recovery needs. ranging from a painless minimal recovery lunchtime treatment to a transformational treatment, with results equivalent to those achieved with a fully ablative CO2 laser - but with significantly reduced recovery time, lower risk and fewer complications.



ZTD - Zone of Thermal Damage:
Damaged tissues are shed/peel days later
- Resurface

ZTM - Zone of Thermal Modification:
Neocollagenesis weeks and months later
- Regenerate

LOC - Line of Cleavage:
Formed at the base of the ZTD
- Tailorable

Between the Zone of Thermal Damage (ZTD) and the Zone of Thermal Modification (ZTM), a line of cleavage becomes evident, where the new epidermis forms. **NeoGenPSR** uniquely enables the Practitioner to control the depth of the of cleavage by adjusting the level of energy delivered to the skin.

Transforming the Treatment Experience

When a patient undergoes a **NeoGenPSR** treatment, they also benefit from a number of secondary effects unique to a nitrogen plasma treatment:

- Multiple conditions are treated at the same time.
- The whole skin architecture is treated.
- The skin remains intact creating a natural dressing to provide protection which promotes fast healing.

These unique secondary effects will provide increased customer satisfaction as a result of:

- Improved skin quality – texture, colour, tone and tightening, simultaneously.
- Fewer complications and risks compared with light and laser technologies.
- Treatments create a healthy, natural, lustrous appearance.
- No line of demarcation compared with laser procedures.
- Longevity of results – Improvements in collagen and elasticity continue for up to 12 months, and last for years.
- Plasma's thermal energy stimulates 3D collagen not flat collagen.
- Gold standard results for Periorbital area.
- The natural biological barrier promotes reduced downtime and fewer complications compared to other technologies

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"For the short time I work on the NeoGen machine I got a positive Impression about the new method of plasma regeneration of the skin. I and my patients note the absence of long-term rehabilitation, but at the same time a wonderful aesthetic effect, and an improvement in the quality and texture of the skin.

I perform procedures like monotherapy with plasma regeneration, and also combine with redermalization with the injection method. Together with our partners, the Hyalual Institute, we conducted a study and obtained excellent results."

*Astrakhantseva Larisa Arkadevny,
AreyMed, Russia*

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"The NeoGen nitrogen plasma skin regeneration platform has provided great results for my patients across multiple treatment indications, with minimal downtime.

I particularly like being able to treat isolated facial regions or lesions without concerns about demarcation lines. My patients love the immediate and long-lasting results."

*Dr. Mark Holmes
The Mcindoe Surgical Centre, East Grinstead, UK*

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A Holistic Approach to Dermal Health



- 1. FDA cleared indications
- 2. CE1639 medical certified indications
- 3. CE non-medical declared indications
- 4. Other indications proved effective on a preclinical basis developed and used by NeoGen Practitioners

NeoGenPSR Results



Incrementus, 1 Treatment 2J
Photos taken 4 weeks apart



Incrementus, 1J treatment.
Photos taken 6 weeks apart.



Incrementus, 1 Treatment 1.2J
Photos taken 3 weeks apart



Emergent Medical Technologies, 1 Treatment 3J
Photos taken 3 weeks apart



Emergent Medical Technologies,
2 Treatments 1J, Photos taken 4 weeks apart



Eden Clinic, 1 Treatment 0.8J
Photos taken 1 week apart

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