

LINSCAN 808 DIODE LASER

HAIR REMOVAL WITH SCANNING TECHNOLOGY



FAST. EFFECTIVE. PAINLESS.

SOPHISTICATED TECHNOLOGY



SMART. SMALL. STRONG.

OFFERING A NUMBER OF UNIQUE FEATURES

① SMART SOFTWARE

Intuitive touch screen - similar to a smart phone

You can focus on clinical aspects (e.g. skin type and hair color) and the unit proposes the right technical parameters (e.g. fluence and pulse duration)

② OPTIMIZED TREATMENT STRATEGIES FOR HAIR REMOVAL

Standard Hair Removal Mode: parameters that were proven over many years

MCT (Motion Control Technology) Mode: painless treatments

③ ONYCHOMYCOSIS

Safe and effective treatment settings for Onychomycosis

Better results and less pain than Nd:YAG laser

④ SMALL COMPACT DESIGN

30 cm x 30 cm x 25 cm

Fully transportable

Optional cart

⑤ LARGE TREATMENT AREA

50 mm x 15 mm

Very fast treatments (e.g. 10 min for a back)

Homogeneous heating of the hair root layer

⑥ POWERFUL CONTACT COOLING

Sapphire glass can be cooled down to 0°C

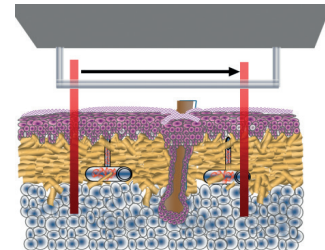
Safe and comfortable treatments for ALL skin types



LINEAR SCANNING: REVOLUTIONARY HAIR REMOVAL

THE CONCEPT OF LINEAR SCANNING

A laser beam is scanned over the entire treatment area of 50 mm * 15 mm. This process takes approximately 0.5 - 1.0 s and is similar to the scanning of a photocopier.



ADVANTAGES OF LINEAR SCANNING

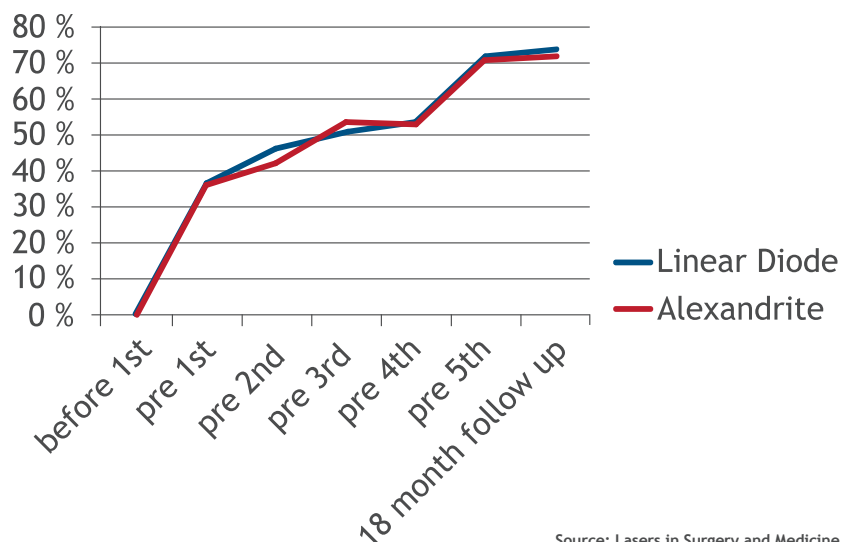
FAST: The large treatment area requires few positionings of the handpiece and allows very short treatment times (e.g. 10 min for a back)

EFFECTIVE: The high power density in the actual laser beam allows high fluences in short pulses (e.g. 40 J/cm² in 20 ms)

PROVEN TO BE EFFECTIVE

A clinical trial by Prof. Dr. Uwe Paasch from the University of Leipzig (Germany) proves that a linearly scanned diode is as effective as an Alexandrite laser: in the short and also in the long run.

Hair reduction



Source: Lasers in Surgery and Medicine, Oct. 2013

SELECT YOUR OPTIMAL TREATMENT STRATEGY

STANDARD HAIR REMOVAL: PROVEN PARAMETERS + LARGE TREATMENT AREA

808 nm diode laser are used for hair removal of almost all skin types with great success. But the spots of these lasers are quite small (e.g. 9 mm * 9 mm) and the treatment is slow. In recent years, diode lasers with larger spots were introduced but are limited in terms of fluence (less than 20 J/cm²) and pulse duration.

LinScan 808 offers you the advantage of combining established parameters AND a large spot. You can treat each skin type with optimal settings developed with 30 years of experience.

Skin type (Fitzpatrick scale)	Fluence in J/cm ²	Pulse duration in ms
I	26 - 40	15 - 30
II	20 - 35	15 - 30
III	14 - 30	20 - 40
IV	12 - 22	25 - 40
V	10 - 20	40 - 60
VI	6 - 12	up to 100

MCT (MOTION CONTROL TECHNOLOGY): OUR APPROACH FOR PAINFREE TREATMENT

A new approach to laser hair removal are lasers that have to be in motion. The laser fires with low energy density and the user has to move the laser head to avoid overheating. The advantage of this approach is a painfree treatment with acceptable results.

LinScan 808 takes this approach to the next level. In MCT Mode, the energy is delivered in 2-4 controlled stacks. There is no need to move the laser to avoid overheating.

The Motion Control Technology is in charge of the motion and not the operator!
The machine is more precise and the results are fully reproducible.

TECHNICAL INFORMATION

SPECIFICATIONS

Type of laser	Diode laser
Wavelength	808 nm
Max fluence	100 J/cm ²
Power density	2,000 W/cm ²
Treatment area	7.5 cm ² (50 mm * 15 mm)
Pulse duration	4 ms - 400 ms
Cooling	Contact
Dimensions (h x l x d)	25 cm x 30 cm x 30 cm
Weight	20 kg
Indications	Hair removal for all skin types Onychomycosis Vascular lesions for light skin

PORTABLE. PROFITABLE. DURABLE.

Very low running cost

No consumables or disposables

Long life-time of the diode

No restriction on number
of pulses during warranty period



German Medical Engineering

Albert - Rupp - Straße 2
91052 Erlangen
Germany

Phone: +49 9131 934 1590
Homepage: www.gmeonline.de
Email: info@gmeonline.de

