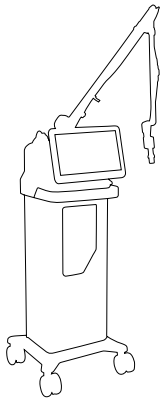
Lasers, Lights & Energy-based Devices
AMWC 2023
Aesthetic Medicine AWARDS
WINNER
1

DUOGlide

The Successful Synergy to Get Max Performance in Dermatological Applications

The Revolutionary Dual Wavelength Technology (CO_2+1540 nm)

DUOGlide stands out for: **Aesthetic Medicine**



DEKA
Innate Ability

DUOGLIDE

EVOLVING EXCELLENCE

SKIN PHOTOREJUVENATION

ACNE SCARS

FACIAL WRINKLES REDUCTION

PERIOCULAR LIFTING

EYELIDE PRO

DEEP SCARS

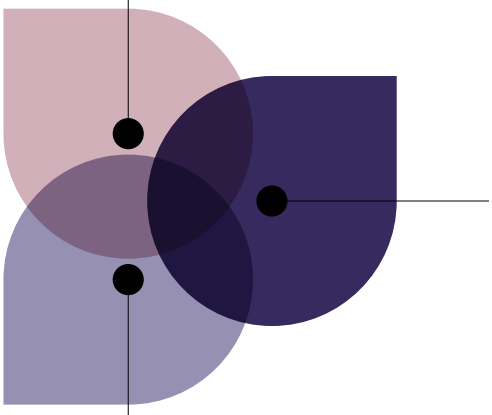
DERMATOLOGICAL SURGERY

Key Principles

DUOGlide, combines **two wavelengths (CO_2 10600 nm and 1540 nm) to maximize the efficacy in dermatological applications.** Thanks to over 30 years of experience, DEKA has introduced a new system and series of more ergonomic and highly performing accessories.

The new DUOGlide system exerts a single action on the tissue, effectively **stimulating collagen and minimizing downtime**. It is also perfectly suited to treatment of the most delicate areas like the neck, decolletage, and the area around the eyes.

Why Choosing **DUOGlide:**



The Winning Synergy of Wavelengths

The combination of the 2 wavelengths exponentially amplifies the tissue stimulating action.

Total Control and Maximum Efficacy

The laser source with exclusive PSD technology and SMARTSTACK function achieve levels of efficacy and safety never attained before.

Multidisciplinarity and Flexibility

DUOGlide has at its disposal a complete range of scanning systems that can broaden the range of applications possible with this technology.

DUOglide

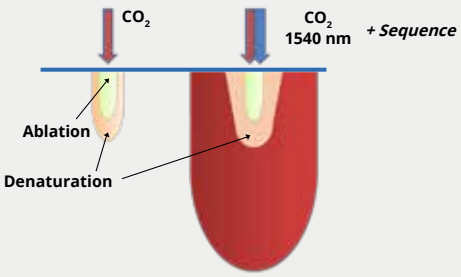
THE PERFECT MATCH

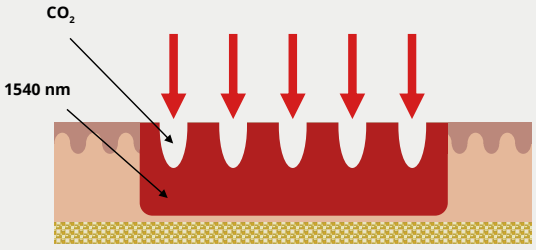
1540 nm: The Ideal Partner for a New Era of Laser Therapy with CO_2 Laser Systems

Continuous research to maximize the efficacy, comfort, and safety of the treatment for the patient has led to the selection of two wavelengths:
One ablative (CO_2) and one thermal (1540 nm).
The second wavelength of 1540 nm available in the new miniaturized scanning systems was specifically developed to implement a synergy with the source CO_2 laser.
Thanks to the special sequential emission on the individual DOT, the effects of the two wavelengths are amplified synergistically, resulting in a reduced energy dosage but with the same efficacy, thus only a short downtime.

Deeper Thermal Action

The synergy of the two CO_2+1540 nm wavelengths also achieves heating, adjacent and non-coagulative of the entire scanning area, and reaches high dermal depth - not possible with only ablative sources.
The thermal effect reaches a depth level that maximizes tissue stimulation action and therefore obtains an even more effective treatment with reduced healing times.





THE PERFECT MATCH

CO_2+1540nm: Ideal Combination for Real Results

Special Attention to Healing Times

Thanks to the deep and even stimulation of the special emission, the synergy of the two wavelengths boosts cellular turnover for faster healing, a real boon for patient recovery.

Boosting of the Shrinkage Effect

The special sequential type emission achieved inside every individual DOT also synergically boosts the tissue shrinking effect to remodel and tone lax tissue.

Emission Flexibility

Based on the type of application you can modulate the most suitable emission sequence: CO_2 + 1540 nm to boost the shrinkage effect (i.e. wrinkles and laxity), or 1540 nm + CO_2 for greater thermal effect for tissue stimulation.

INNATE

THE SCIENCE BEHIND

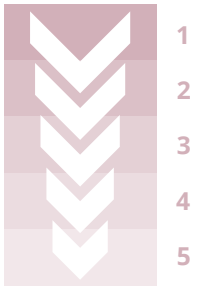
Maximum Efficacy, Precision and Total Control

PSD Technology

The PSD (Pulse Shape Design) technology makes it possible to choose among various impulse modalities to be able to manage selectively the vaporization depth and the thermal effect: S-Pulse, D-Pulse. H-Pulse, U-Pulse, CW. By varying the impulse modality on the on the area concerned you obtain different ablation and stimulation effects to meet the various clinical needs.

SmartStack

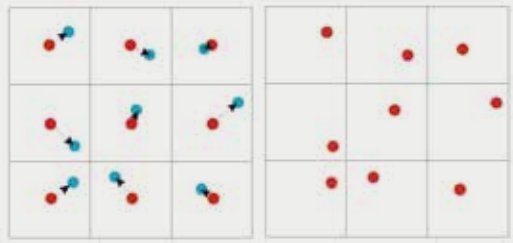
For real and precise vaporization depth control you can select from 5 SmartStack levels. As the SmartStack level increases a progressive increase of the shrinkage effect is obtained, making the treatment more effective and safe, thus reducing patient recovery time.



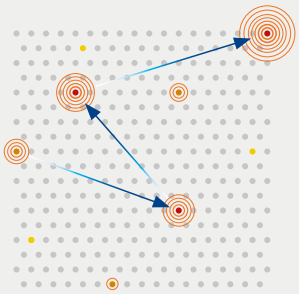
Smart Scanning Modality

Scattered Modality

Scattered Modality evenly scans inside the entire area and fades along the edges to prevent overlapping of DOTs to ensure greater evenness between the scanning area and the skin texture.



smart·TRACK



SmartTrack is the algorithm specially developed to optimize the scanning pat hand to minimize local temperature increase.

ABILITY

THE SCIENCE BEHIND

Set up Complete with Scanning Systems

DUOGlide has a range equipped with new scanning systems, optimized in shape, weight, easier connection and size to maximize handling.

µ-Scan DOT

Scanning system designed to ensure utmost ergonomics in fractionated or traditional resurfacing treatments (modifiable parameters: Size, stretching and scanning area shape).

µ-Scar 3

Scanning system designed for remodelling deep scars. Minimizes the risk of post-treatment hyper and hypopigmentation thanks to the smaller spot size that generates greater depth of the action with reduced energy.

Derma Scan

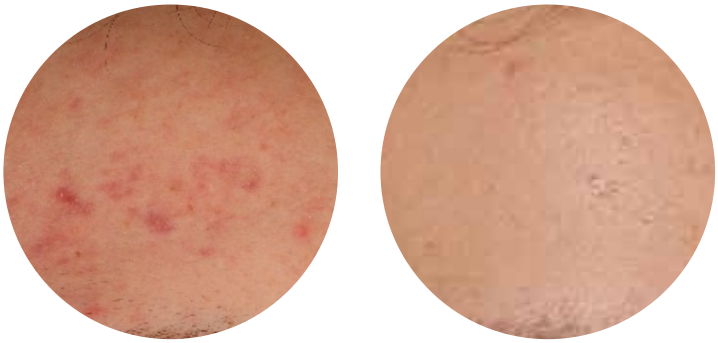
Scanning system paired with handpieces with 4" and 7" focus designed for fast and tridimesional ablations.

Eyelide PRO

is the new laser blepharoplasty procedure which can be performed with both DuoGlide and Glide systems. By means of the "HP" pulse and its ergonomic "Slimcut" (2") handpiece we can obtain a precise incision of the eyelid in an operating field in which, thanks to the coagulating power of the CO_2 laser, bleeding is virtually absent. The treated tissue is stimulated through the tightening effect – which is why it is more elastic – benefiting from a better cicatrisation process and lesser downtime, with a natural-effect result.

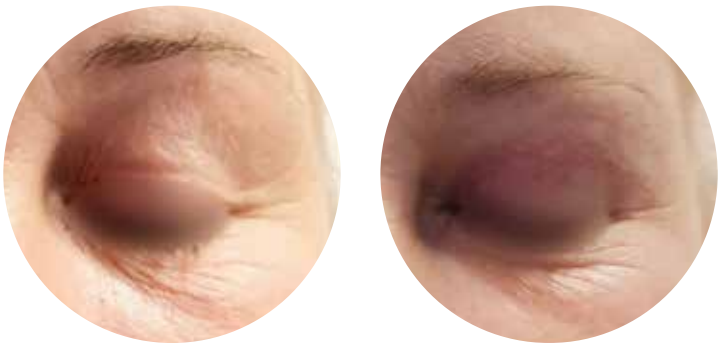
Clinical Results

Courtesy of
G. Scarcella, M.D.,
Verona , Italy



Courtesy of
G. Scarcella, M.D.,
Verona , Italy

Courtesy of
Prof. P. Bonan, M.D.,
Florence , Italy



Courtesy of
Prof. P. Bonan, M.D.,
Florence , Italy

The Floor to Practitioners

"I have been using CO_2 laser systems since the mid 1990s when, while still a student, I was fascinated by this source and I have been constantly following its evolution ever since. The application versatility of these devices, with pulse modularity and controlled scanning, are today enhanced by a new action mechanism in which the 1540 nm wavelength increases the deep and homogenous thermal stimulation. The synergy of the two wavelengths, one with an ablative component and the other thermal, fosters cellular turnover with minimum downtime."

Prof. Paolo Bonan, MD- Dermatologist
ESLD Key Officer, EADV Laser Task Force,
Adjunt Professor of Laser at Plastic Surgery University of Siena
In Charge of Laser Cutaneous Cosmetic & Plastic Surgery Unit
Villa Donatello Clinic, Florence (Italy)

"I use the DUOGlide Laser System (CO_2 & 1540 nm) and I find that, in addition to being extremely easy to handle, safe, and easy to use, for sure the most interesting and stimulating aspect is the real and effective synergy of the use of the two wavelengths practically simultaneously with the same device. This allows for greater effectiveness in terms of results both for treating scars of various origins and types and for photorejuvenation treatments of different body areas."

Dr. Giuseppe Scarcella, MD- Dermatologist
Verona (Italy)

THE PERFECT MATCH

DUOGlide Strength

- Maximum efficacy thanks to the **specially sequential emission** of the double wavelength.
- **Reduced downtime.**
- **Uncompromising versatility.**
- Exclusive advanced technology solutions **(PSD and SmartStack)** to maximize results
- Extreme flexibility of parameter settings
- Maximum **control and precision** of use.
- Wide use of applications thanks to **complete range of miniaturized scanning systems microscanners set up.**
- **Multi-decade experience in** CO_2 laser production

Only for DEKA Users:
A great support in medical practice
DEKA Club

Intuitive GUI (15.6” rolling touch screen display)

PSD Technology

Miniaturized scanning systems

SmartTrack

Multimedia database

Teleassistance

Scan and see **DUOGlide** in action

Technical Specifications

DUOGlide - Suggested configuration in Dermatology and Aesthetic Medicine	
CO_2 laser	
Laser Type	CO_2 RF - PSD®
Wavelength	10,6 µm
Laser emission mode	TEM_{00}
Emission modes	CW - SP - DP - HP - UP
Average power at handpiece output	0.1 - 60 W max
IR laser	
Wavelength	1540 nm
Laser emission mode	Circular multimode
Power	10 W
General features	
Internal database	More than 100 factory stored protocols, upgradeable with USB. Possibility for the user to store a number unlimited custom protocols
Control panel	Color LCD Touch Screen
Accessories	µ-Scan Dot, µ-Scar3, Dermascan, wide range of handpieces
Dimensions and weight	137 (A) x 42 (L) x 54 (P) cm - 70 kg

*In this catalogue only the technical features of dermatology applications are listed.

DUOGlide is also available in gynaecological configuration. Please refer to the related brochure for technical features in gynaecology.

DANGER - Visible and invisible laser radiation.
Avoid eye or skin exposure to direct or scattered radiation.
Class 4 laser product.

This brochure is not intended for the market of USA.

CE 0123

DUOGlide

DEKA Innate Ability

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www.dekalaser.com

Dealer stamp

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DEKA Innate Ability
A spin-off of the El.En. Group, DEKA is a world-class leader in the design and manufacture of lasers and light sources for applications in the medical field. DEKA markets its devices in more than 80 countries throughout an extensive network of international distributors as well as direct offices in Italy, France, Japan and the USA. Excellence is the hallmark of DEKA's experience and recognition garnered in the sphere of R&D in over thirty years of activity. Quality, innovation and technological excellence place DEKA and its products in a unique and distinguished position in the global arena. DEKA manufactures laser devices in compliance with the specifications of Directive 93/42/EEC and its quality assurance system is in accordance with the ISO 9001 and ISO 13485 standards.