

SMARTXIDE DOT®



MEDICINE AND AESTHETICS

SMARTXIDE DOT®

**Fractional and Traditional Skin Resurfacing
Skin Surgery
Plastic and Aesthetic Surgery**

Advanced CO₂ Fractional Technology
Exclusive SmartPulse Technology
Innovative SmartStack Function

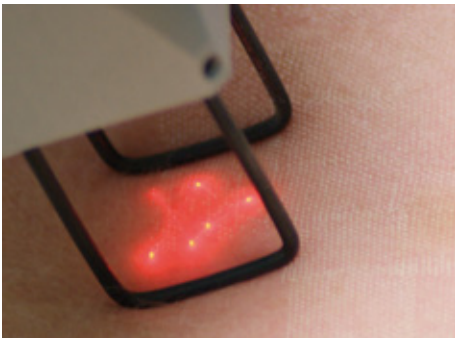


The Code of Excellence

MEDICINE AND AESTHETICS

SMARTXIDE DOT[®]

SMARTXIDE DOT SIMPLIFIES THE LIFE OF A DOCTOR, IMPROVES THE PATIENT'S LIFE



In addition to the traditional and interlaced scan methods, SmartXide DOT also features the special SmartTrack algorithm. Developed to enhance post-treatment recovery, SmartTrack optimizes the scanning of the treatment area, minimizing the local increase in temperature.

SmartXide DOT is the only CO₂ laser that works through pulsed emission, utilizing two innovative technologies: SmartPulse and SmartStack.

This is a major breakthrough compared to other fractional systems that utilize a continuous source or traditional pulsed emission.

The unique SmartXide DOT technology makes it the only system capable of treating even the most complex cases, such as scarring, surface pigmentation and deep wrinkles, tailoring treatments and downtime to the patient's needs. Areas such as the neck and eyelids, and even phototypes with a high PIH (Postinflammatory Hyperpigmentation) risk – to date considered out of reach – can now be treated successfully and safely.

SIMPLE, PRECISE AND EFFICIENT

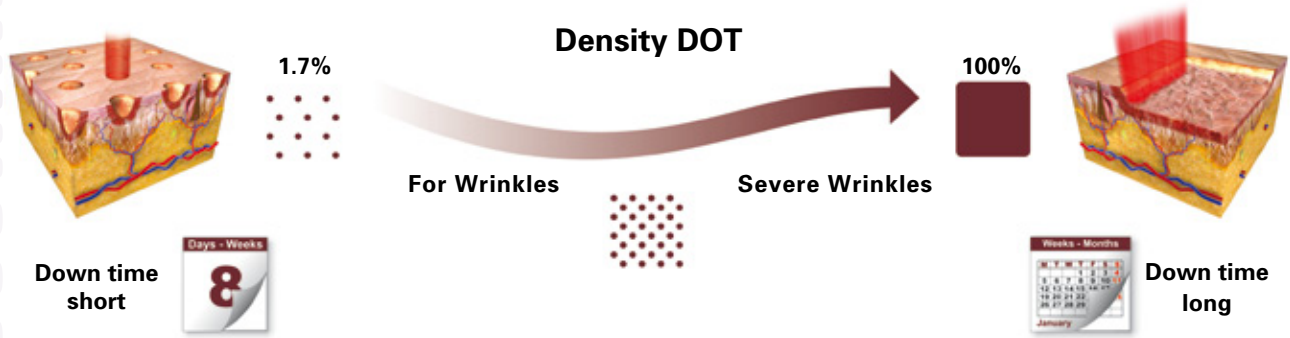
Power, distance between DOTs, DOT dwell time, SmartStack level, scanning methods, shape and size of the treatment area: these are the parameters that can be (individually) adjusted to precisely tailor each treatment to patients' needs.



3	Scan modes (Normal, Interlaced, SmartTrack)
5	SmartStack levels
5	Adjustable scanning: size, height,width ratio
19	DOT dwell times
29	Power levels
38	Treatment densities
1.570.350	Possible combinations

Skin Resurfacing Fractionated

Skin Resurfacing Traditional



FRACTIONAL AND TRADITIONAL SKIN RESURFACING

With SmartXide DOT physicians can select treatment parameters ranging from fractional, superficial and delicate treatments (minimum density 1.7%) to increasingly deeper treatments such as skin resurfacing (density 100%). Physicians can now offer the most appropriate treatment based on patients' need.

A fractional treatment calls for a number of sessions, but the post-op care is much simpler, with rapid recovery times and minimal complications.

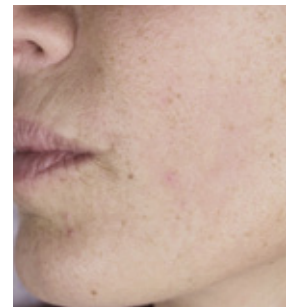
A full resurfacing treatment is typically performed in just one session, but it requires longer and more complex post-op care.

The thermal control of the emissions offered by the SmartPulse technology reduces recovery time even in skin resurfacing treatments.



Fractional Skin Resurfacing

By courtesy of Dr D. S. Samoff - New York City - NY, USA.

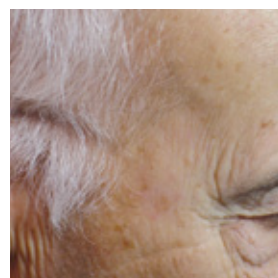


Traditional Skin Resurfacing

By courtesy of Dr G. Cannarozzo, Dr P. Bonan, Dr P. Campolmi Florence - Italy.

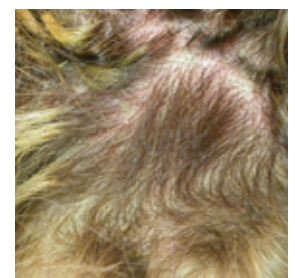
DERMATOLOGICAL SURGERY

SmartXide DOT can be utilized for a wide range of dermatological surgical treatments. The excellent results are guaranteed by Deka's lengthy experience dating back to the emergence of CO2 lasers.



Seborrheic Keratosis

By courtesy of Dr G. Cannarozzo, Dr P. Bonan, Dr P. Campolmi Florence - Italy.



Nevus Sebaceous

By courtesy of Dr G. Cannarozzo, Dr P. Bonan, Dr P. Campolmi Florence - Italy.

SMARTXIDE DOT®

EXCELLENCE, TECHNOLOGY AND RELIABILITY

The natural effects of aging, sunlight and air pollution exposure cause a gradual deterioration in both the structure and functions of the skin. SmartXide DOT has paved the way for a new generation of CO₂ lasers. Yet another Deka breakthrough, melding scientific knowledge and technological advances to bring physicians innovative solutions to enhance and facilitate their work. The SmartPulse technology and the SmartStack function guarantee maximum reliability in controlling the depth of vaporization and the non-ablative thermal effect on the skin. Minimal thermal damage to the surrounding tissue guarantees rapid recovery for the patient.

"SmartXide DOT means that I can use fractional technology in a completely safe manner in my daily work. The fact that you can precisely set all the parameters – such as power, DOT dwell time, SmartStack level and distance between DOTs – allows me to treat all my patients successfully and without complications, even when they have phototype IV or V skin."

Anne Le Pillouer-Prost, MD

*Specialist in Dermatology and Sexually Transmitted Diseases
Marseilles, France*

TECHNICAL DATA - Hi-Scan System and DOT

SMARTXIDE

Laser Type	CO ₂
Wavelength	10.6 μm
Power to Tissue	30 W (max)
Peak Power	320 W (max)
Frequency	Da 5 a 100 Hz
Pulse Length	Da 0.2 a 80 ms
Transmission System	Articulated arm with 7 mirrors
Pointing	Diode Laser , 3 mW@ 635-670 nm
Interface User	LCD Touch Screen Color
Power	230 Vac / 1.8 A (max) / 50-60 Hz 115 vac/3.7 to (max)/50-60 hz
Size and Weight	48 cm (L) x 55 cm (P) x 120 cm (A), 30Kg

HI-SCAN DOT

Scanning Area	Max: 15 x 15 mm - Min: 1 x 4 mm
Scan Mode	Normal, interlacing and Smart-Track (DOT mode only)
Mode DOT - Split	
Size DOT	120 μm
Time spent	da 0.2 a 2 ms
Spacing DOT	da 200 a 2000 μm
Level SmartStack	da 1 a 5
Traditional Method	
Time spent	da 0.2 a 2 ms



FRACTIONAL AND TRADITIONAL SKIN RESURFACING
SKIN SURGERY - PLASTIC AND AESTHETIC SURGERY

SmartXIDE
DOT

CE
0459




The Code of Excellence

Dealer stamp



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Deka The Code of Excellence
A spin-off of the Ei.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 France, Germany, U.S., Japan, and Italy. 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/EC and its quality assurance system, certified by  is in accordance with the ISO 9001 and ISO 13485 standards.