

DEKA
Innate Ability

THE NEW **PRO SYSTEM**

TORO 

Increasing Power to Get Gentleness

Q-Switched Laser for Pigmented Lesions,
Tattoo Removal and Skin Rejuvenation

TORO stands out in **Aesthetics** and **Dermatology**



TORO

EVOLVING EXCELLENCE

BENIGN PIGMENTED
LESIONS

TATTOO REMOVAL

MELASMA

SKIN REJUVENATION

DEKA PEEL

SCARS & ACNE SCARS



Key Principles

The new TORO by DEKA is a Q-Switched Nd:YAG system that combines picosecond and nanosecond emissions in 3 wavelengths: 785 nm, 532 and 1064 nm, to obtain the ultimate treatment experience in different treatments like benign pigmented lesions (from deep to superficial), tattoo removal, skin brightening/toning, DEKA Peel, skin rejuvenation and scars.

The different wavelength and emission modalities (the picosecond 785 nm and the nanosecond 1064 nm and 532 nm) make TORO one of the most flexible systems, which enables physicians to empower physicians to customize treatments down to the last detail for safe, fast, and proven clinical outcomes.

Why Choosing TORO:

Great Treatment Flexibility

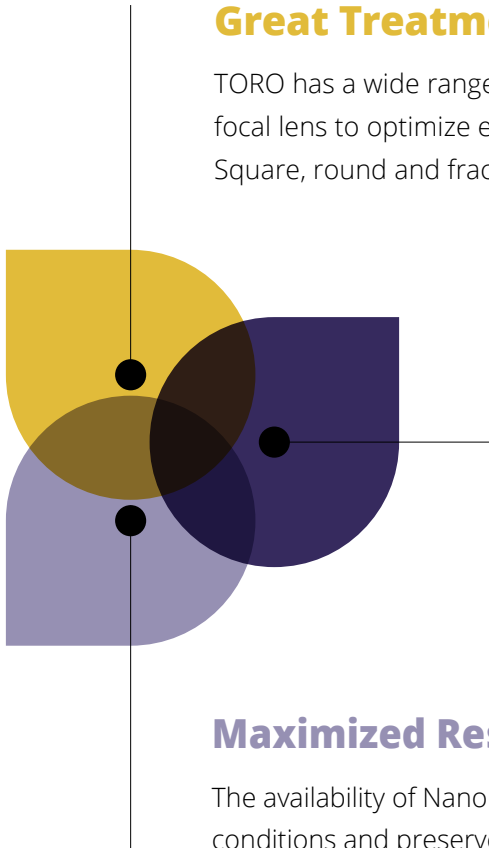
TORO has a wide range of handpieces and spot sizes, each has its own focal lens to optimize energy delivery and maximise treatment efficacy: Square, round and fractional spots and sizes.

Wide Target of Phototypes (III-V)

The new 785 nm wavelength to safely treat also III-V phototypes and Asian patients. Because of the optimal absorption peak with melanine and low interaction with hemoglobin, and reduced risk of inflammation, 785 nm is the ideal wavelength to treat benign epidermal and dermal lesions.

Maximized Results

The availability of Nano and Picosecond emission treat different skin conditions and preserve the tissues around those which are hit by laser.





THE SCIENCE BEHIND

The Efficacy Of Q-Switched Emission with Photoacoustic Effect

TORO is a powerful Q-switched laser emitting pulses with very high peak power, with extremely short pulse duration (nanoseconds-picoseconds). The Q-switched pulses generate a pure photoacoustic effect, aimed at inks and skin spots, through which colored particles and melanine are fragmented selectively, leaving the surrounding skin intact.

TORO Is Equipped With Another Pulse Mode (Free-Running) with a longer duration suggested for skin rejuvenation treatment and active acne.



Different Handpiece Options for TORO's main Laser Wavelengths

Round Zoom Handpieces

Mainly suggested for pigmented lesions for better following the lesion profile. This handpiece allows for multiple spots by simply rotating a selector, thereby offering higher flexibility and ease of use. **Zoom handpieces are available from 2 mm to 8 mm and from 7 mm to 9 mm.**



Square Handpieces with Spacers

Square spot sizes are suggested for tattoo removal: The best shape to cover homogeneously the treatment area. 6 spot sizes are available: 2 mm; 3 mm; 4 mm; 5 mm; 6 mm; 7 mm

Fractional Round

Fractional handpieces (8 and 9 mm) can be used for treatments ranging from rejuvenation to deep acne scars, to get a deeper action.



DEKA Peel

Designed properly for carbon peel laser rejuvenation.

THE SCIENCE BEHIND

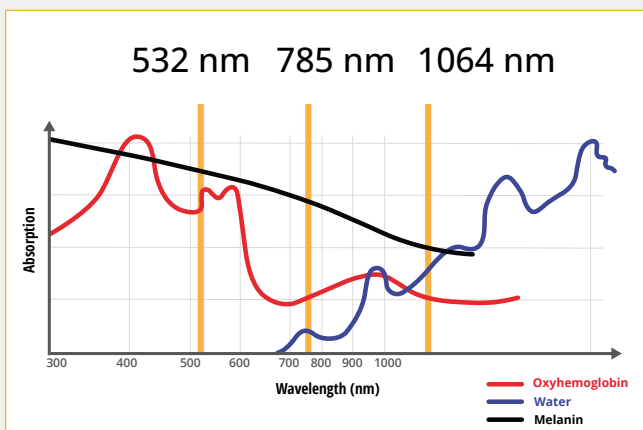
New Real Pico 785 nm

785 nm is the ideal wavelength to treat epidermal and dermal lesions in III-V Asian phototypes thanks to a lesser risk of inflammation. The pico-second emission mode allows for the preservation of those surrounding tissues hit by the photoacoustic effect, thereby making the treatment safe and effective for dark and asian phototypes (reduced PIH risk). The 785 nm wavelength is also well absorbed by melanine and less by hemoglobin compared to more standard wavelengths (1064 nm and 532 nm). This makes the use of this wavelength type prefereable for darker skin types.



The handpiece delivers laser energy through a round spot with the following available sizes: 2 mm, 3 mm, 4 mm, 5 mm and 6 mm.

Why It's so Important



- **Effective and Safer for III-V phototypes**
- **Wider range of tattoo Inks (blue-green)**
- **Gold standard for deep pigmented lesion**

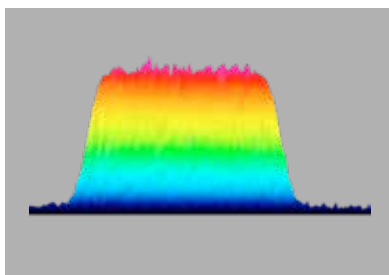
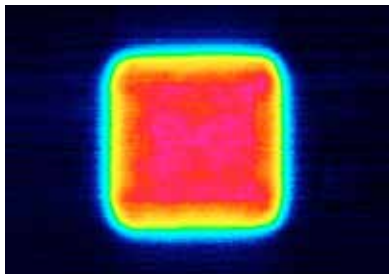


THE SCIENCE BEHIND

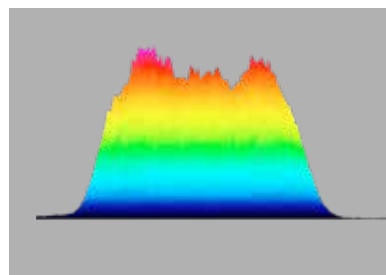
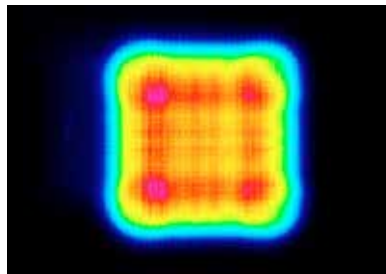
Exclusive Spot Shape and Perfect Beam Homogeneity for Total Control and Maximum Efficacy

FLAT TOP laser beam

The exclusive square handpieces are characterized by a **homogeneous spot** – thanks to which the same amount of energy is delivered throughout the whole contact area, thus allowing maximum delivered energy control and minimization of undesirable side effects due to uneven energy dosage.



TORO PULSE



OTHER

The new exclusive SQUARE spot is more homogeneous and wider for a better interaction with the tissue and a minimal risk of PIH, leading to predictable results.



Clinical Results



Courtesy of
D. Piccolo, M.D
Pescara, Italy



Courtesy of
R. Fassari, M.D
Catania, Italy



Courtesy of
R. Fassari, M.D
Catania, Italy



Courtesy of
M. Vitale M.D
Bologna, Italy

The Floor to Practitioners

“ Benign pigmented lesions comprise a broad set of dyschromic anomalies of the skin, both genetic and acquired. They show through hyperpigmented areas and are the result of a reaction of the melanin which increases its concentration to defend the epidermis from possible further damage. The depths of the pigmentation and their diffusion must be taken into account in order to remove these blemishes and reach the expected result. Indeed, in order to act at various depths with several dyschromic targets, I have decided to equip myself with TORO: The new nano and picosecond laser by DEKA which, thanks to three wavelengths (1064, 532 and 785) allows for the treatment of both transdermic and superficial spots. Moreover, TORO's 785nm handpiece's picosecond emission allows us to reach high temperatures very quickly, thereby acting on the chromophore without damaging the surrounding tissue, guaranteeing total safety and efficacy in the treatment of the darkest phototypes.”

Prof. Shady Mahmoud Attia Ibrahim, M.D.

Professor of dermatology & Venereology Department of Dermatology,
Faculty of medicine-Al-Azhar University, (Egypt)

“ The demand for tattoo removal is growing on a yearly basis at a surprising pace and for me it has become fundamental to be able to meet the numerous requests by typology of ink and other factors. Since I started using TORO, patients have been enthusiastic and surprised by how effectively the treatment is performed, practically without side effects which, unfortunately, are quite common, both with laser and, above all, with other removal techniques. The double emission modality of the nanosecond and picosecond pulses, the three wavelengths which interact with almost all inks (also green and blue ones, thanks to the 785-nm wavelength) allow me to treat the majority of tattoos, thereby resolving also the most complex situations. The exclusive square shape of the spot allows us to cover the treatment area in a homogenous manner, without overlapping and, therefore, without the risk of burns and scars. The combination with fractional emission also allows for a deeper and more complete treatment. Thanks to its technological characteristics and its several handpieces, I deem TORO a complete and versatile treatment that allows us to treat all phototypes in complete safety. Besides tattoos and pigmented lesions, I also perform rejuvenation and peeling treatments.”

Michela Troiano, M.D.

Dermatologist, *Villa Donatello Clinic, Florence, (Italy)*

THE PERFECT MATCH

TORO Strength

- Extremely versatile latest generation **QS** and **Pico Laser**
- **3 wavelengths**
- **New 785 wavelength** to safely treat darker phototypes and deeper lesions
- **Flat TOP Technology** for homogeneous, safe and effective treatments.
- **Square, circle** and **fractional** spots
- **Zoom handpiece**



Only for DEKA Users:

A great support in medical practice

DEKA *Club*

Multiple handpieces
available

Magnetic
easy plug-in

New personalized GUI:

Guided procedure for
protocol selection

Automatic
spot recognition



Technical Specifications

TORO			
Laser Wavelength	Nd:YAG 1064 nm	Nd:YAG 532 nm	Shapphire 785 nm
Pulse Duration	5÷12 ns	5÷12 ns	500 ps
Square Handpieces	2x2, 3x3, 4x4, 5x5, 6x6, 7x7 mm		-
Rond Handpieces	-		2, 3, 4, 5, 6 mm
Zoom Round Handpieces	2÷8 mm and 7÷9 mm		-
Fractional Handpieces	8 and 9 mm		-
DEKA Peel Handpiece	8 mm		-
Emission Mode	Nano-second Mode and Thermal Mode		Pico Mode
Maximul Pulse Energy	Up to 1.6 J		
Repetition Rate	Up to 20 Hz		
Laser Emission	Articulated Arm with Removable Handpieces		
Electrical requirements	100÷120 V and 200÷230 V – 50/60 Hz – 16 A		
Dimension	33 cm (W) x 90 cm (D) x 132 cm (H) 186 cm (H) with Open Articulated Arm		
Weight	90 kg		

CAUTION - 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 US market.

The TORO system cannot currently be legally advertised or sold within the European Union. Additional applications, such as the treatment of Benign Pigmented Lesions, Scar Revision, Tattoo Removal, and Skin Rejuvenation, will become available once the onboard sensors are activated for those specific purposes.



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 120 countries throughout an extensive network of international distributors as well as direct offices in Italy, France, Japan and 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 produces laser devices in accordance with the specifications of Regulation 2017/745/EU and according to the ISO 9001 and ISO 13485 quality system.