



SmartPIC 

## **Pico Rejuvenation and Tattoo Removal**

Maximum Flexibility to  
Maximize Treatment Efficacy

SmartPICO stands out in **Medicine Aesthetics** and **Dermatology**



**DEKA**  
Innate Ability

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Innate Ability

# SMARTPICO Quick Wins:

Photorejuvenation | Toning  
Benign Pigmented Lesions | Tattoo Removal  
Scar Treatment

## Key Principles

The new SmartPICO by DEKA is a system that **combines 4 emission modalities: PICO, NANO, DOUBLE and THERMAL and in 2 wavelengths: 532 and 1064 nm.**

The different shapes and sizes of the **13 handpieces' spots and the 4 emission modalities** make SmartPICO one of the most flexible on the market to effectively treat cutaneous imperfections caused by ageing (dyschromias, pigmented lesions, melasma, post-inflammatory hyperpigmentation) and tattoos, with minimal contraindication.

## Why choose SMARTPICO

**Maximum flexibility of applicability** and treatment thanks to the spot shapes and different sizes and different emission modalities (nanoseconds, picoseconds, thermal, double pulse).

Downtime and side effect **minimization.**

High result efficacy thanks to the high pulse energy (**2GW peak power**)





THE SCIENCE BEHIND

## Advanced Technology: Uncompromising Versatility

SmartPICO handpieces have various different spot sizes that allow great treatment flexibility according to the target (wrinkles, benign pigmented lesions, scars, tattoos).

Each spot has its own focal lens which allows **optimized energy delivery by maximizing efficacy of the treatment**: traditional and fractional emission square and round spot size.

**Square: 2x2,3x3,4x4,5x5 mm**



**Round: 3, 4.5, 5, 6, 7.5, 9, 10.5 mm**



**Fractional: 8, 9 mm**



**DEKA Peel**

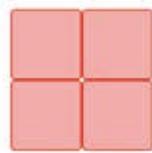
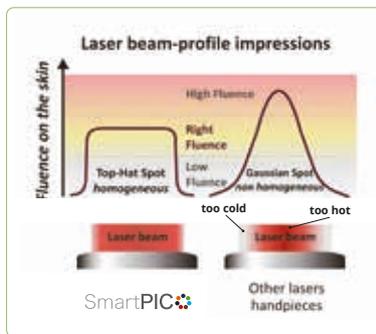


THE SCIENCE BEHIND

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

## FLAT TOP laser beam

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



The square handpieces are ideal for tattoo removal and avoid shots overlapping.



The round handpieces are indicated for the treatment of face and pigmented lesions.

## Fractional handpieces

Fractional handpieces are utilized for skin resurfacing and cutaneous toning treatments.

## DEKA Peel Handpiece

Thanks to DEKA's exclusive peel handpieces it is possible to perform **carbon peel laser rejuvenation** - the latest and most demanded cosmetic treatment worldwide which makes the skin smoother and brighter.





## SMARTPICO Smart Rejuvenation

Fractional Handpieces (8 and 9 mm) can be used with both 1064 and 532 wavelengths, with picosecond or nanosecond emissions for treatments ranging from **light rejuvenation** to **deep acne scars**, offering flexibility, fine tuning, and high power.

SmartPICO pulses generate a pure photoacoustic effect which directly targets the cutaneous tissue in the right depth, simultaneously stimulating collagen and leaving the surrounding skin intact.

By using less heat SmartPICO not only reduces the risk of PIH, but it can actually be used to treat the effects of PIH caused by an inflammatory disorder or even other laser treatments.



## **SMARTPICO**

### **Smart Tattoo Removal**

The combination of nanoseconds and picosecond emission is particularly successful in **tattoo removal**, allowing multiple-step action based on the type of tattoo and cutaneous conditions: a first rough removal which helps the expulsion of the largest pigments (nanoseconds) and a finishing phase in which the pigment is broken down into tiny particles, which are easily removed through the phagocytosis process (picoseconds). SmartPico is also particularly **effective in the treatment of the most resilient tattoos** like faded ones and those which have penetrated in depth (**ghost**).



# Clinical Results



Courtesy of  
A. M. Aste, M.D.  
*Italy*



Courtesy of  
P. Campione, M.D.  
*Plastic Surgeon, Italy*



Courtesy of  
P. Campione, M.D.  
*Plastic Surgeon, Italy*



DEKA clinical photo stock



## The Floor to Practitioners

“ The on-board SmartPICO picosecond and nanosecond technologies and the wide range of handpieces with different spots (square, round and fractional) allow to treat tattoos, skin aging, acne scars and pigmented lesions maximising the results. Thanks to the extreme flexibility the chance of unwanted effects is minimized with short downtime. The skin looks more uniform and even revitalized and rejuvenated. Because of ultra-short and high power pulses (reduced thermal action) there is no itching or redness, or swelling with no damage to the surrounding skin and tissue. ”

**Prof. Paolo Bonan**, MD- Dermatologist  
*Florence (Italy)*

THE PERFECT MATCH

## SMARTPICO Strength

- **Maximum flexibility of applicability**
- **Wide range of handpieces** (spot size and shape)
- **Holographic lenses** (round handpiece)
- **Flat Top** technology with **Optibeam** handpieces
- Four pulse modalities (**ns, ps, Thermal, Double Pulse**)
- **Pure photoacoustic effect**
- **Square, circle and fractional spot**
- **No warm up**



**Only for DEKA Users:**

a great support in medical practice

**DEKA** *Club*



# Technical Features

SMARTPICO		
<b>Laser Wavelength</b>	Nd:YAG 1064 nm	Nd:YAG 532 nm
<b>PICO Mode</b> <b>Pulse duration</b> <b>Energy (max)</b>	450 ps 800 mj	370 ps 300 mj
<b>NANO Mode</b> <b>Pulse duration</b> <b>Energy (max)</b>	QS - 6 ns 800 mj	QS - 6 ns 400 mj
<b>DOUBLE PULSE Mode</b> <b>Pulse duration</b> <b>Energy (max)</b>	OP - 6 ns + 6 ns 1200 mj	OP - 6 ns + 6 ns 450 mj
<b>THERMAL Mode</b> <b>Pulse duration</b> <b>Energy (max)</b>	PT - 300 µs 2 J	-
<b>Repetition Rate</b>	Up to 10 Hz	
<b>Laser Emission</b>	Articulated Arm with removable handpieces	
<b>Available Handpieces (optional)</b>	2x2; 3x3; 4x4; 5x5 mm square - ø3; 4.5; 6; 7.5; 9; 10.5 mm round 8 mm fractional square - 9 mm high coverage fractional square Additional handpiece for DekaPeel treatment	
<b>Electrical requirements</b>	3.7 kVA, 200-240 Vac; 50/60 Hz	
<b>Dimensions and Weight</b>	548 mm (L) x 1118 mm (D) x 1230 mm (H) 1887 mm (H) (with open articulated arm)	
<b>Weight</b>	150 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 USA market.



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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.