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# Vega QS

Q-Switched Nd:YAG

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Your **experience**,  
our **innovation**.

made in Italy



# VEGA QS

Q-Switched Nd:YAG laser

Vega QS innovative Q-Switched Nd:YAG system has been developed to best meet the needs of specialists and patients. In fact, Vega QS responds to the growing demand for the treatment of the most common skin imperfections, such as skin aging and pigmented lesions, acne treatment, tattoo removal and vascular lesions.

Multifunctional system with various applications

Quick return on investment and low maintenance costs

Fast and effective treatments

Comfortable and safe treatments

Vega QS works with 2 wavelengths, **1064 nm** and **532 nm**, generating an extremely powerful pulse with very short emission times. The precision and consistency of the laser beam allows for very effective treatments in absolute safety.

The **532 nm** wavelength is achieved through the use of a KTP crystal (KTiOPO<sub>4</sub>, potassium titanil orthophosphate). The 1064 nm infrared radiation by passing through the crystal, double the frequency and becomes a green radiation with a wavelength of 532 nm.



532 nm



1064 nm



“  
GOLD STANDARD  
PROBE  
”

## EFFICIENT

Thanks to the absence of the orthostatic arm, the laser beam is delivered in a more effective way and with no dispersion, reducing maintenance costs.

## VERSATILE

It is supplied with 3 interchangeable tips 1,5 mm • 2 mm • 3 mm to guarantee 3 different spots.

## PRECISE

The tips have been specifically designed to indicate the exact dispensing point and ensure, at the same time, the highest degree of visibility to the operator.

## COSTANT PERFORMANCE

Vega QS is equipped with a demineralised water cooling system which is, as of today, the most effective cooling system to guarantee equipment performance over time.

## 2+1

Vega QS allows for the Carbon Peel treatment, also known as the Hollywood laser peel.



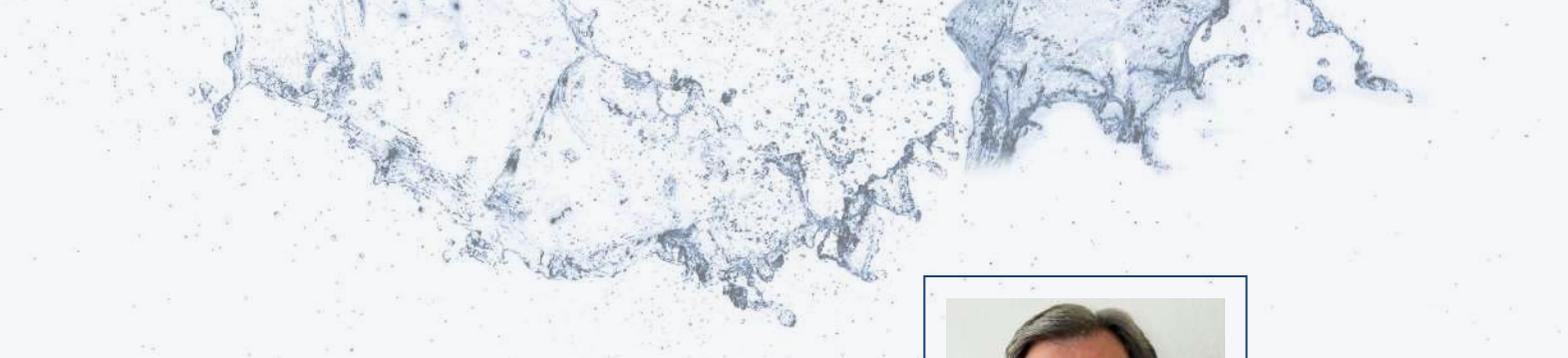
1,5 mm



2 mm



3 mm



**Dott. Giampaolo Carboni**  
Specialist in Dermatology and Venereology



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*With Vega QS I have achieved excellent results. My patients are satisfied and felt less pain, compared to treatments performed by other lasers on the market. I can state that it is a top-of-the-range laser with an ergonomic and focused probe.*  
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- RAPID
- COMFORTABLE
- IMMEDIATE AND NOTICEABLE RESULTS
- NO RECOVERY TIME

Courtesy by Dott. Giampaolo Carboni - Poliambulatorio Agresti, Bologna



# APPLICATIONS

## PIGMENTED LESIONS \*

Benign pigmented lesions such as simple lentigo, age spots and nevi can be effectively treated by hitting the excess of melanin thanks to the selective photothermolysis process.



## TATTOO REMOVAL\*

Without any doubts, the Q-Switched Nd:YAG 1064 nm/532 nm laser is the leading technology for tattoo removal. The mechanical effect of the laser fragments the ink in smaller components, which allows the immune system to process them naturally. With the 2 wavelengths a wide range of tattoos can be treated. The 1064 nm is most effective for the removal of dark inks such as black, dark blue and brown, while the 532 nm is effective for red, orange and purple tones.

## SKIN REJUVENATION\*

Vega QS stimulates the collagen and elastin production, attenuating fine wrinkles and giving the skin a youthful appearance.



## CARBON PEELING\*

Carbon peeling is a revolutionary laser treatment that has grown in popularity amongst Hollywood stars. The activated carbon, known for its astringent properties, is applied on the skin and used as an artificial chromophore to amplify the laser effect. With this targeted treatment, you can expect great results: improved overall skin tone, smoother and glowing youthful looking skin, with no recovery time. It is highly recommended for active acne, seborrheic skin and enlarged pores.

## VASCULAR LESIONS

Vega QS effectively treats angiomas, teleangiectasias and hemorrhagic stains. Thanks to selective photothermolysis in which the laser beam is absorbed by haemoglobin and oxyhaemoglobin, the coagulated blood collapses inside the capillaries without damaging the surrounding structures.



## ACNE TREATMENT

The laser beam stimulates the neocollagenogenesis and corrects the anomalies of keratinisation in the follicular infundibulum, thus reducing acne scars and hyperpigmentation post inflammatory.

\*treatments not covered by medical CE mark.

# TECHNICAL FEATURES

LASER	Q-Switched Nd:YAG
WAVELENGTH	1064 nm – 532 nm
MAXIMUM ENERGY	1000 mJ
MAXIMUM FLUENCY	50 J/cm <sup>2</sup>
FREQUENCY	1-10Hz
SPOT SIZE	1,5 mm - 2,5 mm – 3 mm
DISPLAY	10,1" Colour LCD
DIMENSIONS AND WEIGHT	37 x 37 x 109 cm - 35 kg

Founded in 1983 in Pesaro, over the years EME has established itself as a leading company in the production of electromedical devices for aesthetics, aesthetic medicine and physiotherapy.

The synergy between our internal R&D department, external professionals and institutions, allows us every year to propose innovative and more performing solutions and to offer highly reliable, effective and cutting-edge products 100% Made in Italy.

EME Lab is the result of the synergy between Scientific Research, R&D, Education and Promotion. EME Lab is know-how for our partners.

Our products recognised for their quality and effectiveness are currently distributed in more than 60 countries, and have been chosen by sports team, sports federations and top clinics across the world.

But for us the possibility **“To offer the opportunity for everyone to feel good with their body, in health and harmony”** counts more than numbers and references.

Every day we work hard to produce technologies that satisfy our partners and to enable them with the best-specialized technical training so they can offer concrete and optimal results to patients all over the world.



Via degli Abeti 88/1 - 61122 Pesaro (PU) Italy  
 Phone: +39 0721 400791 - Fax: +39 072126385  
[www.eme-derma.com](http://www.eme-derma.com) | [info@eme-srl.com](mailto:info@eme-srl.com)  
 P.Iva 02423410410

