

**Quanta System**  
LASER IN OUR DNA

585



— AESTHETICS & DERMATOLOGY —



# 585

*The Wavelength with the Best Reputation in Dermatology Now Available at Zero Maintenance Costs*

Over the last 20 years, **585 nm lasers** have been commonly used in aesthetics and dermatology for skin and vascular treatments. Indeed, 585 nm dye lasers are considered the gold standard for these applications. Despite of all this, the diffusion of 585 nm lasers has been limited so far because of their running costs and for the resulting post-treatment purpura, which is no longer an outcome accepted in aesthetic and dermatologic procedures.

The **Quanta System 585**, with its innovative **D-wmops** (Differential - Wavelength Modified Optically Pumped Semiconductor) technology, is the first solid-state laser able to emit the same wavelength of a Dye laser, in both continuous or pulsed modes. This allows treatments to be performed with no purpura and without any maintenance and consumable costs!

The treatment of dermatological vascular lesions is more effective with **585 solid-state laser** compared to KTP/LBO 532 nm lasers thanks to the greater penetration depth of 585 nm than 532 nm. Quanta System 585 increases also patient's safety thanks to the low melanin absorption by epidermis which is 50% less compared to 532 nm. For these reasons treatments can be performed with improved selectivity, producing less collateral epidermal melanin damage, better tolerance to the treatment in any skin type and increased energy delivery to the target chromophores.

This induces greater effective coagulation and vessel wall damage, leading to more durable results and no post-treatment down-time.

## Indications

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- Telangiectasia
- Port Wine Stains
- Hemangioma
- Spider Angioma
- Rosacea/Poikiloderma of Civatte
- Lentigo
- Melasma
- Vascularized scars
- Seborrheic keratosis
- Warts



## Quanta Scanner

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The optional **Quanta Scanner** provides the automatic coverage of the skin surface for the easy and precise treatment of extensive **vascular lesions** or **pigmented** and **aged skin**.

This is our advanced device that thanks to its touch screen, easy maintenance and the density of patterns, improves patient's safety and efficacy.

## Focusing handpieces

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Available in different dimensions for the treatment of round and linear small lesions.



## Before and After pictures



### **COUPEROSE - CAPILLARIES**

Courtesy Paolo Sbano MD



### **ANGIOMA**

Courtesy Paolo Sbano MD



### **COUPEROSE - REDNESS**

Courtesy Paolo Sbano MD



### **ANGIOMA**

Courtesy Paolo Sbano MD

## Before and After pictures



### **POIKILODERMA OF CIVATTE**

Courtesy Paolo Sbano MD



### **COUPEROSE - CAPILLARIES**

Courtesy Paolo Sbano MD



### **SPIDER ANGIOMA**

Courtesy Paolo Sbano MD



### **COUPEROSE - REDNESS**

Courtesy Paolo Sbano MD

# Advantages

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## THE FIRST SOLID-STATE 585 NM LASER

The best for benign dermatological vascular and pigmented lesions at zero maintenance costs



## COMPACT AND PORTABLE DEVICE

For an outstanding space-saving solution



## POWERFUL SCANNER

Equipped with an air cooling system adaptor for increased patient's safety



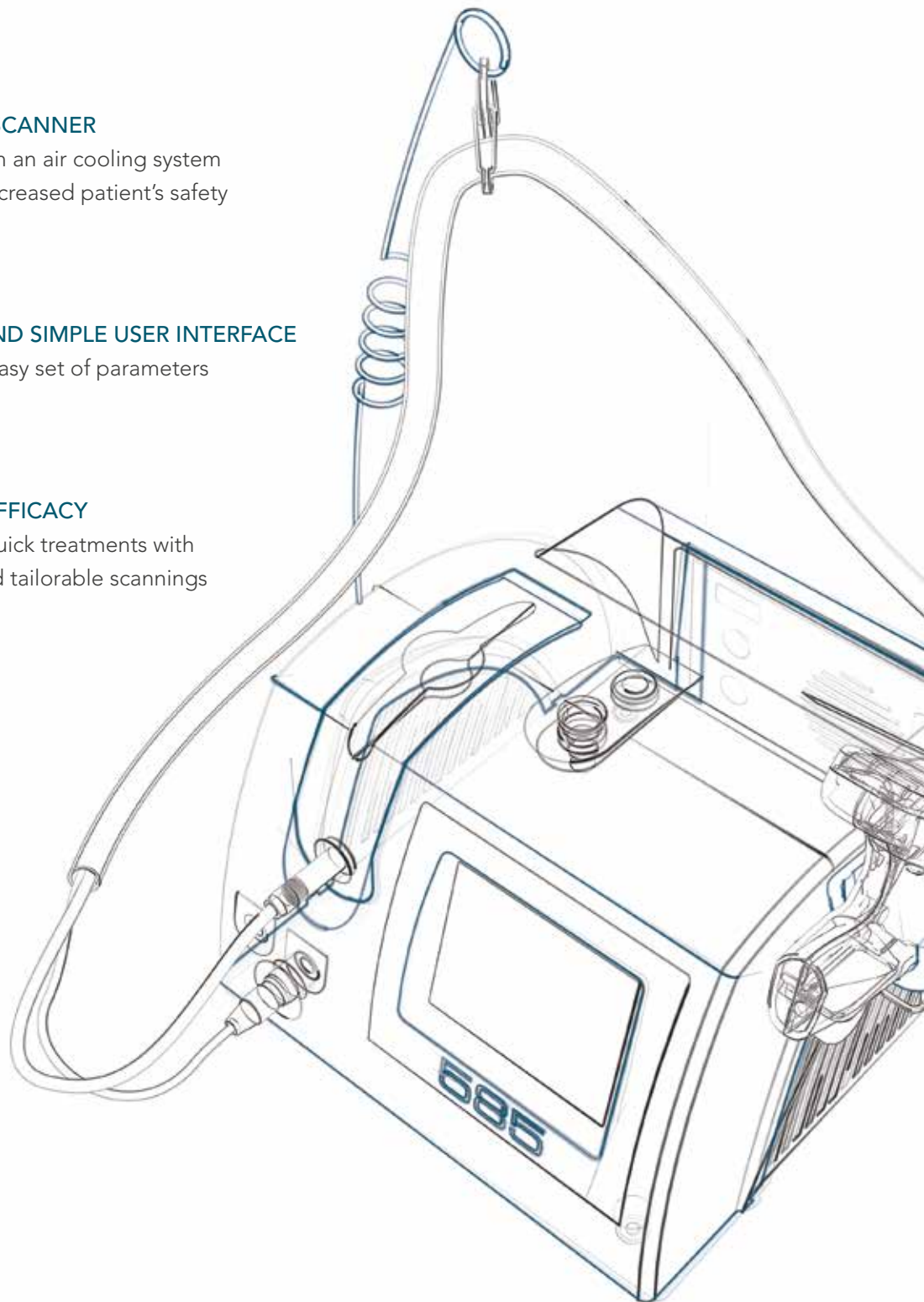
## INTUITIVE AND SIMPLE USER INTERFACE

For fast and easy set of parameters



## MAXIMUM EFFICACY

Precise and quick treatments with automatic and tailorable scanings



# Technical Specifications

Wavelength (nm)	580 ± 6
Power (nominal) (W)	up to 5
Emission mode	CW - Pulsed - Burst
Pulse duration (ms)	0.25 ÷ 8.000
Repetition rate (Hz)	0.08 ÷ 2000
Aiming beam	Red, class 3R
Laser delivery	Optical fiber
User interface	Touchscreen
Spot size (mm)	0.5; 1; 1.5; 3
Electrical requirements	100 - 240 Vac; 50/60 Hz; 350 VA
Dimensions and weight	254 mm (H) x 324 mm (W) x 362 mm (D); 13 kg

# Quanta Scanner (optional)

Number of patterns	9
Max scan dimension (mm)	up to 18x18
Spot size (mm)	1
Fill modes	Adjacent, spread, spread half, random
User interface	Touchscreen

This brochure is not intended for the U.S. market.  
Certain Intended Uses/Configurations/Models/Accessories are not cleared for U.S.

**VISIBLE AND INVISIBLE LASER RADIATION**

Avoid eye skin exposure to direct or scattered radiation

Laser product: Class 4

Aiming beam: Class 3R



CAUTION - Laser radiation

**CE**  
**0123**

*Note: National local authorities may put restrictions to the parameters indicated in the above table, or may limit or remove certain intended uses. Specifications are subject to change without notice.*

Quanta System products are manufactured according to the International standards and have been cleared by the most important International notified bodies.

The Company is UNI EN ISO 9001:2015 and EN ISO 13485:2016 certified. Quanta System S.p.A. was founded in 1985 and belongs to the El. En. Group (a public company listed in the Star segment of the Italian Stock Exchange) since January 2004.

The company, divided into three business units (medical, scientific and industrial) is specialized in manufacturing of laser and opto-electronic devices.

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