

DERMATOLOGY



Q-PLUS Series

The highest performances with the greatest flexibility on the market

Model	Q-Plus C			Q-Plus A		Q-Plus B		Q-Plus R
Laser	Nd:YAG QS	Nd:YAG QS	Ruby QS	Nd:YAG QS		Nd:YAG QS		Ruby QS
Wavelength (nm)	1064	532	694	1064	532	1064	532	694
Pulse width (ms)	6	6	30			6		30
Repetition rate (Hz)	up to 10		1			up to 10		1
Spot size (mm)				up to 6				
Fluence (J/cm ²)	up to 30	up to 15	up to 15	up to 30	up to 15	up to 45	up to 21	up to 15
Beam Delivery	Articulated Arm							
Aiming Beam	Red diode laser							
Electrical requirement	220 - 230 V; 16 A; 50-60 Hz							
Cooling system	Internal, self-contained							
Dimension and weight	900 x 480 x 930 mm ³ ; 80 Kg							

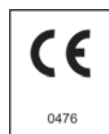
Model	Q-Plus * 1 Composed by Q-Plus A+Nd:YAG			Q-Plus * 2 Composed by Q-Plus A+Alexandrite	Q-Plus * 3 Composed by Q-Plus A+IPL					
Laser	Nd:YAG long	Nd:YAG short	Nd:YAG	Alexandrite	IPL handpieces					
Wavelength (nm)	1064	1064	1320	755	650-1200	625-1200	590-1200	570-1200	550-950	400-1200
Pulse width (ms)	up to 300	up to 0,8	up to 10	up to 100	5 - 240					
Repetition rate (Hz)	up to 2	up to 7	up to 5	up to 2	0,5	0,5	0,5	0,5	0,5	0,5
Spot size (mm)	up to 12	up to 10	up to 8	up to 16	13x48 or 13x25 mm ²					
Fluence (J/cm ²)	up to 500	up to 40	up to 35	up to 22 @ 14 mm	up to 30 @ 13x48 mm ² ; up to 35 @ 25x48 mm ²				up to 20	
Skin cooling (i)	Contact or air	Contact or air	Contact or air	Contact or air						
Electrical requirement	220 - 230 V; 16 A; 50-60 Hz									
Cooling system	Internal, self-contained									
Dimension and weight	900 x 480 x 930 mm ³ ; 80 Kg									

(i) Optional

Quanta System's 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 9001:2000 and UNI EN ISO 13485:2004 certified. Quanta System S.p.A. was founded in 1985 and belongs to the El.En Group (a public company listed on the Tech-Star segment of the Italian Stock Exchange) since January 2004. The company, divided into three business units (scientific, industrial and medical) is specialized in lasers and opto-electronic devices.

UNI EN ISO 13485:2004
UNI EN ISO 9001:2000

Specifications are subject to change without notice.



Distributor



LASER RADIATION
AVOID EYE OR SKIN EXPOSURE TO
DIRECT OR SCATTERED RADIATION
CLASS 4 LASER PRODUCT

DERMATOLOGY



Q-PLUS Series

The revolution in tattoos and pigmented lesions removal

The highest performances with the greatest flexibility on the market

Q-Plus C: the highest powered 3 wavelenghts Q-switched system. The unique Nd:YAG 1064/532 nm and Ruby 694 nm Q-Switched combo system. The revolution in tattoos & pigmented lesions removal.

Q-Plus*, Star Series: a unique series which combines Q-switched Nd:YAG 1064/532 nm with Short and Long Pulses!



Q-Plus C

Q-Plus* Star series

APPLICATIONS:

- Epidermal and dermal pigmented lesions
- Multicolour tattoos
- Vascular treatments
- Hair removal
- Skin rejuvenation and tightening



Q-PLUS Series

The ideal solution for the removal of pigmented lesions and multicolour tattoos.

Q-Plus is the first and most powerful Q-switched laser series which combines Nd:YAG 1064/532 nm and Ruby 694 nm sources: three wavelengths which target efficiently all tattoo colours and pigmented lesions.

Green, red, blue and black pigments can be removed effectively and fastly, thanks to the high power, the big spot size and the high repetition rates.

The Q-switched mode

In Q-switched mode, the very short pulses (6ns) can deliver very high peak power (hundreds of MegaWatt) granting the most efficient photo-acoustic effect, with no thermal interaction with tissues. As a result, the unwanted pigments in the skin are fragmented in small particles that are expelled through the phagocytosis.

Flat top beam technology

An exclusive characteristic of the Q-Plus Series is its flat top beam. This feature grants safer and effective treatments (no scars), because the energy distribution is homogeneously delivered over the treated skin.

Combined Q-Switched and Short/Long Pulse Lasers

The Short and Long pulse additional modules effectively perform hair removal, treatment of vascular lesions, skin rejuvenation and tightening.

These modules are composed by Nd:YAG lasers (at 1064 and 1320 nm), Alexandrite (at 755 nm) and IPL.

The combination of these modules with Q-Switched lasers provides the highest performing platforms with the best cost to benefit ratio available on the market.

The effects are based on the selective thermal damage of the skin targets such as melanin, blood and water. The laser handpiece in Short/Long Pulse modules, can be integrated with either contact or air based skin cooling devices, allowing safer and comfortable treatments.

Cosmetic tattoo removal



Before

After

Tattoo removal



Before

After 3 treatments

After 7 treatments

Choose your solution according to your needs

Q-Plus C

The Nd:YAG is combined with a Ruby laser source all in one unit. Three Q-switched wavelengths make possible to treat all types of tattoo colours and most of the pigmented lesions.

Applications:

- Epidermal and dermal pigmented lesions
- All tattoo colours removal

Q-Plus A

It is composed by a Q-switched module working at 532 and 1064 nm, having a max energy of 1 J per pulse (@1064 nm).

Applications:

- Epidermal and dermal pigmented lesions
- Multicoloured tattoo removal

Q-Plus B

It is the most powerful Q-switched laser system available on the market. It works at 532 and 1064 nm, with max energy of 1,6 J per pulse (@ 1064 nm).

Applications:

- Epidermal and dermal pigmented lesions
- Faster multicolour tattoo removal

Q-Plus R

It is a powerful Q-switched Ruby laser working at 694 nm

Applications:

- Epidermal and dermal pigmented lesions
- Multicolour tattoo removal

Leg veins



Before

After 3 treatments

Ota Nevus



Before

Hair removal



Before

After 5 treatments



After 4 treatments

Q-Plus* (Star)

It is the "unique" laser system available on the market working both in Q-Switched and short/long pulse modalities.

A Q-Switched module operates at 532 and 1064 nm, while a short/long pulse module works at 1064 nm or 755 nm.

The Q-Plus* includes, as an option, the wavelength of 1320 nm (YAG), making the unit the most versatile Laser System on the market.

Applications:

- Epidermal and dermal pigmented lesions
- Multicolour tattoos removal
- Skin rejuvenation
- Hair removal on every skin type
- Vascular treatments

Optional for this series is the Nd:YAG 1320 nm wavelength.

Thanks to its higher absorption by water and great penetration into the dermis, it is very effective for collagen remodeling through the fibroblasts stimulation. It consequently enhances the applications of the system on:

- fine wrinkles
- enlarged pores
- acne scars
- keloids
- smoothness and skin lifting
- skin rejuvenation.

