

Q-Plus series

Model	Q-Plus C			Q-Plus A		Q-Plus B		Q-Plus R
Laser	Nd:YAG	Nd:YAG	Ruby	Nd:YAG		Nd:YAG		Ruby
Wavelength (nm)	1064	532	694	1064	532	1064	532	694
Pulse width (ns)	6	6	30	6	6	6	6	30
Repetition rate (Hz)	up to 10		1	up to 10				1
Spot size (mm)	up to 6							
Fluence range (J/cm²)	up to 23	up to 12.5	up to 25	up to 23	up to 12.5	up to 40	up to 16.5	up to 25
Electrical requirements	220 - 230 V AC; 16 A; 50-60 Hz							
Dimensions and weight	900(W) x 480 (L) x 930 (H) mm³; 80 Kg							

Model	Q-Plus * 1 Composed by Q-Plus A + Long and Short Pulsed Nd:Yag		Q-Plus * 2 Composed by Q-Plus A + Long Pulsed Alexandrite		Twain IPL (OPTIONAL SOURCE)					
Laser	Nd:YAG long	Nd:YAG short	Nd:YAG	Alexandrite	IPL handpieces					
Wavelength (nm)	1064	1064	1320 (i)	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 mm²					
Fluence (J/cm²)	up to 500	up to 40	up to 35	up to 25 @ 14 mm	up to 30					up to 20
Skin cooling (i)	Contact or air integrated with the handpiece									
Electrical requirements	220 - 230 V AC; 16 A; 50-60 Hz									
Dimensions and weight	900(W) x 480 (L) x 930 (H) mm³; 85-90 Kg									

(i) Optional

Matisse QS is a cutting edge combination of Q-PLUS A plus Matisse all in one
please browse www.quantasystem.com

Specifications are subject to change without notice.

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 9001:2008 and UNI EN ISO 13485:2003/4 certified.
Quanta System S.p.A. was funded in 1985 and belongs to the El.En Group (a public company listed on the Star segment of the Italian Stock Exchange) since January 2004. The company, divided into three business units (scientific, industrial and medical) is specialized in laser and opto-electronic devices.



Q-Plus series

Q-Switched Laser Platforms: designed on your needs

Performances and Flexibility

- MULTICOLOUR
- TATTOO REMOVAL
- PIGMENTED LESIONS
- HAIR REMOVAL
- VASCULAR LESIONS
- SCARS AND KELOIDS
- ACNE TREATMENTS
- SKIN REJUVENATION



MULTICOLOUR TATTOO REMOVAL
PIGMENTED LESIONS
HAIR REMOVAL
VASCULAR LESIONS
SCARS AND KELOIDS
ANTI AGING
ACNE TREATMENTS
FIRMING (NEW)
ABLATIVE SKIN REJUVENATION (NEW)

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

Q-Plus*: a unique series which combines Q-switched Nd:YAG 1064/532 nm with Short and Long Pulsed YAG or Alexandrite lasers.



The Q-switched mode

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

Combined Q-Switched and Short/Long Pulsed Lasers

The Short and Long pulsed additional modules effectively perform hair removal, treatment of vascular lesions, skin rejuvenation and tightening. These modules are composed by Nd:YAG (at 1064 and 1320 nm), Alexandrite (at 755 nm) and IPL. This combination provides the best benefit/cost 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 of the Short/Long Pulsed modules, can be integrated with either contact or air based skin cooling devices, allowing safer and comfortable treatments.

Flat top OptiBeam technology

An exclusive characteristic of the Q-Plus Series is its square and flat top laser beams. This feature grants safer and effective treatments (no scars), because the energy is homogeneously delivered on to the treated areas. The square beams allow no overlap of the pulses (precise pulse siding

Q-PLUS C

The 1064/532 nm Nd:YAG is combined with a Ruby laser source all into one unit. Three Q-switched wavelengths make it possible to treat all types of tattoo colours and most of the pigmented lesions.

Applications:

- All tattoo colours removal
- Epidermal and dermal pigmented lesions

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

Q-PLUS* SERIES

It is the unique laser system available on the market working both in Q-Switched and Short/Long pulsed modalities.

A Q-Switched module operates at 532 and 1064 nm, while a Short/Long pulsed 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 tattoo removal
- Skin rejuvenation
- Hair removal on every skin type
- Vascular treatments

OPTIONS

Twain 1320

Optional for any Nd:Yag of this series is the 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

Twain RF

Optional for each series is a highly controllable RF energy module, for non invasive procedures such as firming of deep tissues, skin tightening and contouring. RF tightens and shrinks dermal and sub-dermal tissues reducing skin laxity and renewing contours.

Twain 2940

Optional for each series is a Erbium Yag laser all built into an handpiece. Through this module both fractional and traditional ablative skin resurfacing procedures are possible. This TWIN represents the ideal solution for fast skin texture improvement.

Twain IPL

Q-Plus Series can be equipped, at any time, with an optional IPL, enhancing flexibility and versatility

Cosmetic tattoo removal



Before

After

Tattoo removal



Before

After 3 treatments



After 7 treatments

Leg veins



Before

After 3 treatments

Hair removal



Before

After 5 treatments

Ota Nevus



Before

After 4 treatments