

Quanta System
LASER IN OUR DNA

Duetto MT
EVO Series





Duetto MT EVO Series

*Alexandrite and Nd:YAG Lasers
Combined with Mixed Technology*



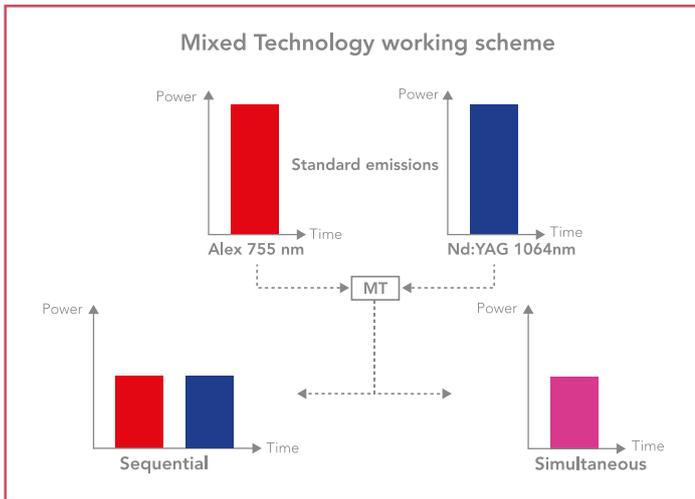
The **Duetto MT – EVO Series** system is based on **Alexandrite** and **Nd:YAG** lasers, **755 nm** and **1064 nm**, in single or combined emissions. Duetto MT can meet the necessities of every patient by tailoring the treatments in every detail. Big spot sizes, wide range of pulse widths and fast repetition rate together with the exclusive possibility to set the proportion between Alexandrite and Nd:YAG lasers through the **Mixed Technology**, make this device one of the most advanced and flexible laser in Aesthetics and Dermatology field especially for the Hair Removal, Vascular and Skin Rejuvenation treatments.

The TWAIN optional handpieces can be installed at any time on the field and can expand the range of applications even more.



Mixed Technology

The **Mixed Technology** performs the largest range of hair removal applications, as well as vascular and rejuvenation treatments. Due to the proprietary Mixed Technology, the **Duetto MT – EVO Series** allows the operator to select easily single or double wavelength emissions, using simultaneous or sequential pulses that can be adjusted according to the patient's needs.



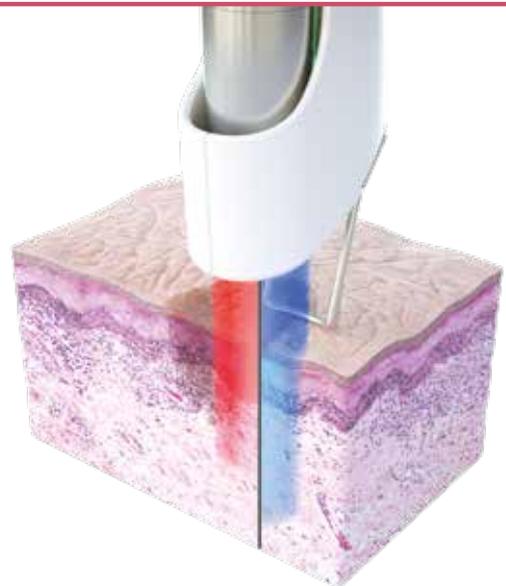
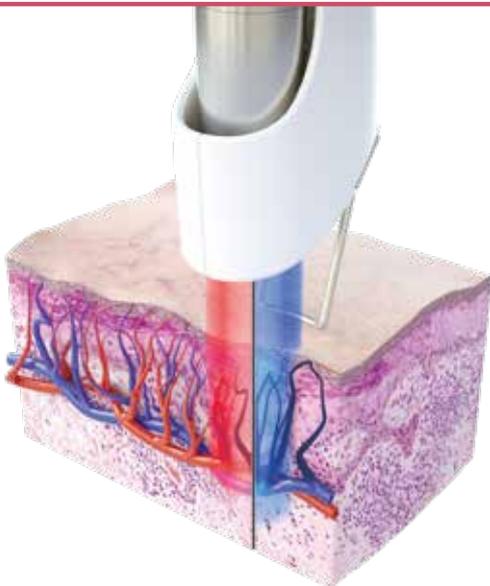
The **Simultaneous Emission** is excellent for Permanent Hair Reduction. The Mixed Technology combines two different laser wavelengths in a single emission with programmable fluence and pulse duration. The synergy of the two wavelengths is able to completely denature the hair follicles with improved safety even in dark skin conditions thanks to the reduced fluences requested. Under these conditions, epidermal temperature is reduced improving patient's safety.



The **Sequential Emission** instead is excellent for Vascular Treatments and Skin Rejuvenation.

The **Vascular** treatment for the removal of facial and leg telangiectasia uses the Mixed Technology to guarantee a best result using the lowest fluences taking advantage of the different absorption of hemoglobin and methemoglobin.

The **Skin Rejuvenation** optimizes the effect Alexandrite has on pigmentations and that one Nd:YAG has on skin tightening just in one session with a significative decrease of session times.



Before and After pictures



COMPARATIVE PERMANENT HAIR REDUCTION

755 nm - 755+1064 nm

Courtesy Paolo Sbano MD



COMPARATIVE PERMANENT HAIR REDUCTION

755 nm - 755+1064 nm - Post 2 treatments, follow-up 4 months

Courtesy Paolo Sbano MD



PERMANENT HAIR REDUCTION

Courtesy Paolo Sbano MD



SKIN REJUVENATION

Courtesy Paolo Sbano MD

Before and After pictures



SKIN REJUVENATION

Courtesy Paolo Sbano MD



BENIGN VASCULAR LESIONS

Courtesy Emilio Bonizzoni MD



SPIDER ANGIOMA

Courtesy Emilio Bonizzoni MD

Optional Accessories



TWAIN CONNECTOR

Duetto MT - EVO Series, through the special Twain universal connector, can be equipped with Twain 2940 and Twain IPL handpieces.

TWAIN 2940

Twain 2940 is a laser handpiece that fits to the Twain universal connector present on the Quanta System EVO platforms. It has been designed to perform ablation procedures, both fractional and full spot.



The Er:YAG laser @ 2940 nm is able, through the variation of pulse parameters, to remove the layers of skin with minimal thermal damage or produce a higher coagulation suitable for the stimulation of collagen production.

FRACTIONAL

- Skin resurfacing
- Traumatic and acne scars
- Epidermal dyschromia
- Sun and age spots
- Wrinkles and fine lines

FULL SPOT

- Skin ablation
- Full skin resurfacing

TWAIN IPL

Duetto MT - EVO Series can be equipped with Twain IPL handpieces. The contact skin cooling and the 6 range of wavelengths available, expand treatments flexibility and versatility.

- Permanent hair reduction
- Benign pigmented lesions
- Skin rejuvenation procedures
- Dermatological vascular treatments
- Active acne



Integrated Contact SKIN COOLER

The contact Skin Cooler provides skin cooling during laser treatment, effectively reducing the pain and allowing the use of the proper fluencies especially for vascular lesions treatments to reduce potential side effects.



SKINCRYO

The Skin Cryo handpiece is intended to work in combination with an external compatible air cooling unit to provide a cold air flow designed for the reduction of pain and thermal injury on skin tissue.



Technical Specifications

LASER	Nd:YAG Pulsed	Alexandrite Pulsed	Nd:YAG + Alexandrite Pulsed
Wavelength (nm)	1064	755	1064 + 755
Pulse width (ms)	0.3 ÷ 300*	0.3 ÷ 300*	0.3 ÷ 300*
Burst mode	up to 3 pulses Ton and Toff adjustable	up to 3 pulses Ton and Toff adjustable	up to 3 pulses Ton and Toff adjustable only for simultaneous mode
Max fluence (J/cm ²)	500 (software limited)	500 (software limited)	500 A + 500 Y (software limited)
Repetition rate (Hz)	up to 10	up to 10	up to 5
Spot size (optional) (mm)	2 ÷ 5, 6, 8, 10, 12, 14, 16, 18		
Beam delivery	Optical fiber with detachable handpieces		
Skin cooling system	Integrated skin cooler (optional) or air cooling handpiece adaptor (optional)		
Electrical requirements	3.7 kVA, 200-240 Vac; 50/60 Hz		
Dimensions and weight	530 mm (W) x 1043 mm (D) x 1060 mm (H); 150 kg		
Notes*	The pulse width range can change depending on repetition rate and mix mode configuration		

OPTION	Twain 2940	Twain IPL					
Source	Er:YAG	IPL handpiece					
Wavelength (nm)	2940	650-1200	625-1200	590-1200	570-1200	550-1200	400-1200
Pulse width (ms)	0.3 ÷ 1	5 - 40 (pulses train duration up to 240 ms)					
Max Fluence (J/cm ²)	up to 10	up to 25					
Repetition rate (Hz)	up to 6	0.5					
Spot size (mm)	2, 4, 9, fractional	48x13 mm ² - 25x13 mm ²					

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



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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