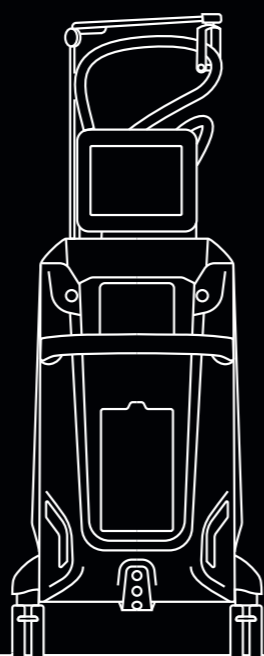
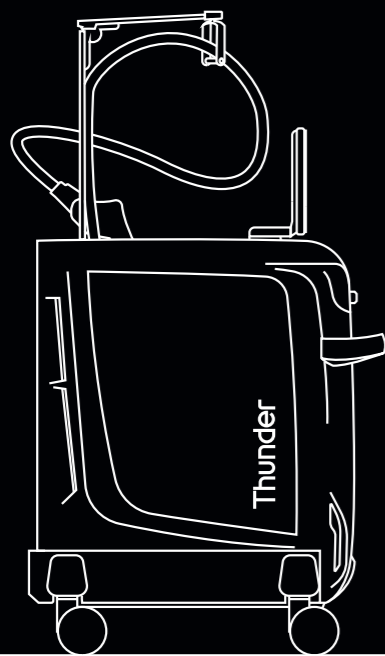


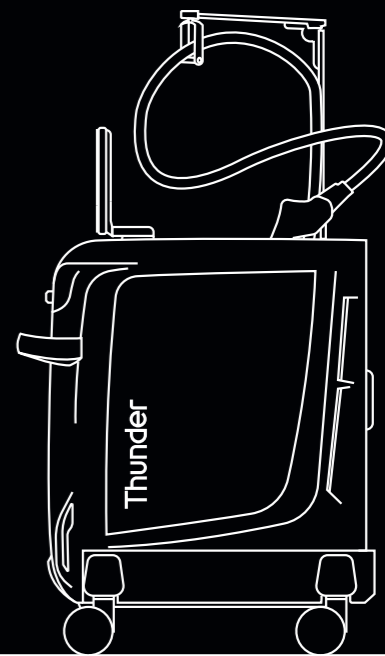
Quanta System
LASER IN OUR DNA

Thunder Series





Thunder





Thunder Series

Ultimate Power for Your Practice

Thunder Series is composed by several models powered by wavelengths considered Gold Standard in Dermatology and Aesthetic Medicine. These lasers can be equipped with single **Alexandrite 755 nm** or **Nd:YAG 1064 nm** or combined with the exclusive **Mixed Technology**. This is our most powerful laser series able to combine maximum patient comfort and treatment efficacy with the greatest performances and speed.

Indications

- Hair Removal
- Dermatological Vascular Lesions
- Skin Rejuvenation
- Benign Pigmented Lesions
- Onychomycosis

General Overview

- Proprietary Mixed Technology
- Complete parameter adjustment for **treatments tailored to all skin types and conditions**
- Software integrated Qool-air, skin cooling system
- Maximum versatility with multiple treatments
- Automatic and low pain treatments with Quanta Scanner
- Handpieces with optimized spot up to 24 mm

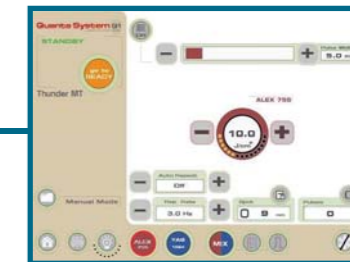


Optisport Handpieces and Scanner

USB Port for Easy Maintenance and Updates

Handpieces door case

4 Pivoting wheels-easy to move device



12" Touchscreen Display

- Usable with Gloves
- Intuitive User Interface
- New Database Functions and Macros



Quanta Scanner

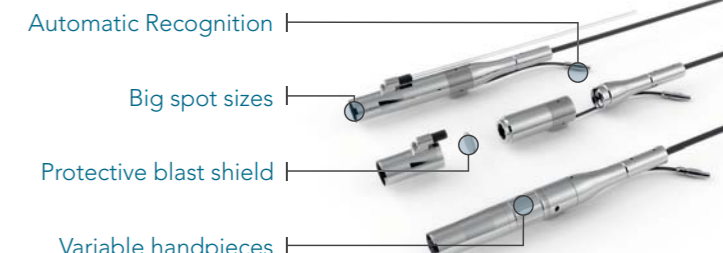


Big treatment areas

Touch screen display

Fast and easy to handle

Optisport Handpieces



Automatic Recognition

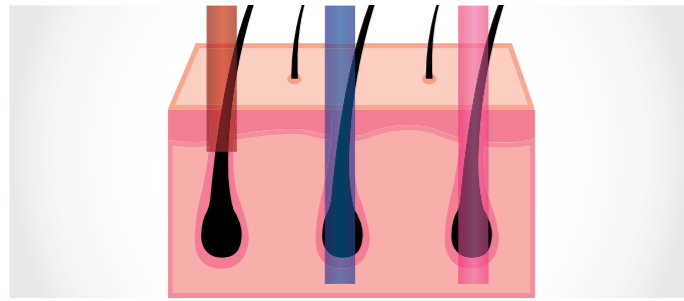
Big spot sizes

Protective blast shield

Variable handpieces

Hair Removal

①



ALEXANDRITE 755 nm

Perfect for light skin types

Nd:YAG 1064 nm

The safest wavelength for darker skin types

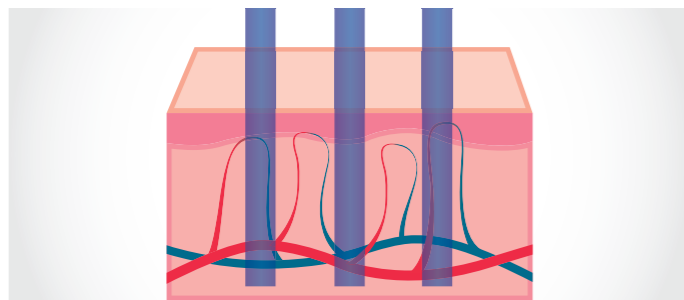
ALEX 755 nm + Nd:YAG 1064 nm

New gold standard for middle dark skin types because of the combination of the efficacy of Alex and the safety of Nd:YAG

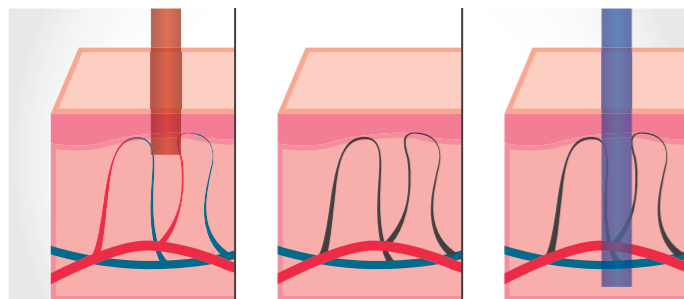
Different emission modalities for each treatment need

Dermatological Vascular Lesions

②



Nd:YAG 1064 nm Great efficacy on deep lesions. This wavelength is capable to affect profound lesions thanks to its high penetration depth



Mixed Mode: ALEX 755 nm + Nd:YAG 1064 nm

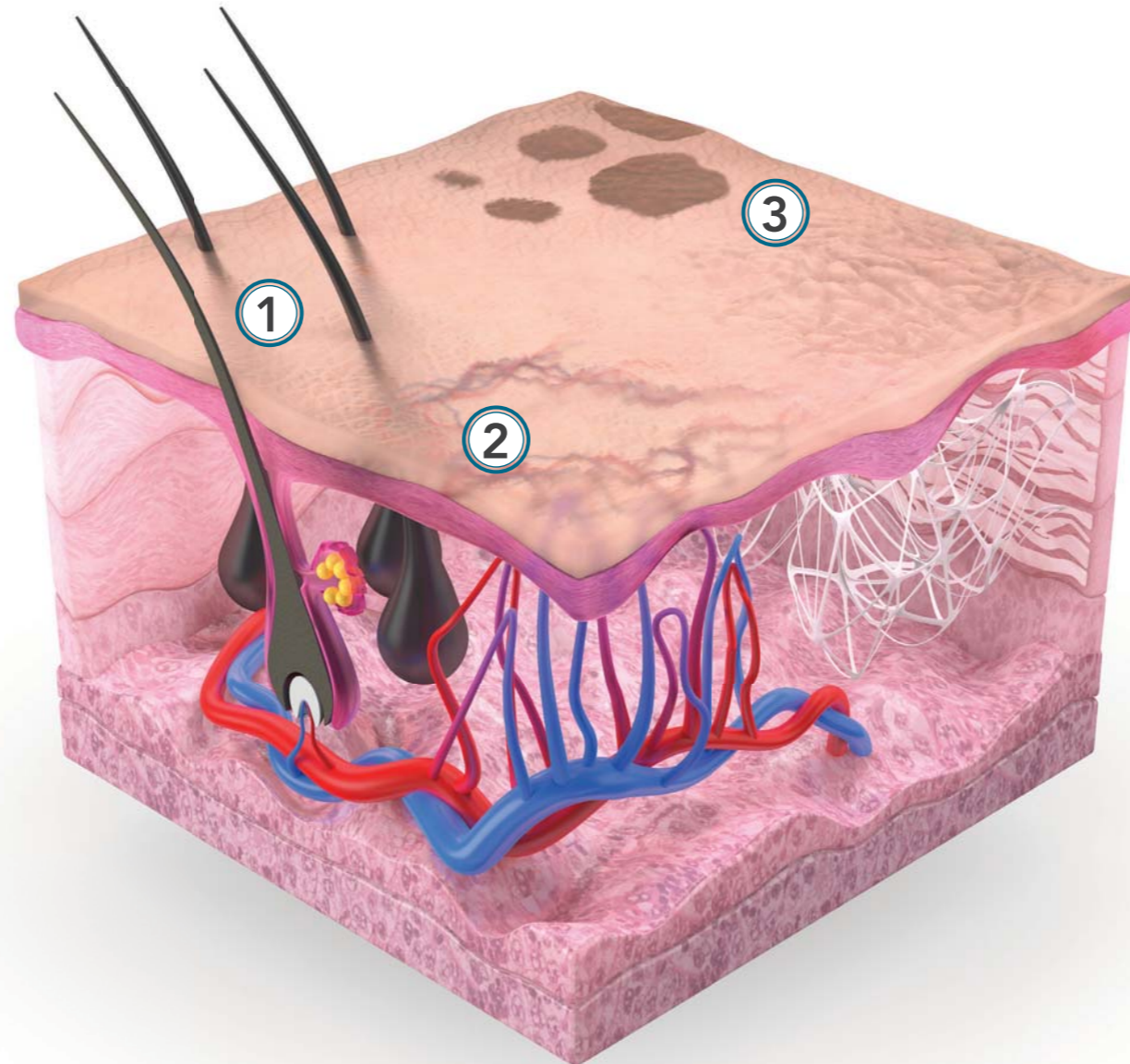
Maximized effects on Hb and HbO2 absorption to improve treatment comfort

- 1st Pulse of Alex 755 nm

Hemoglobin absorbs 755 nm and becomes methemoglobin

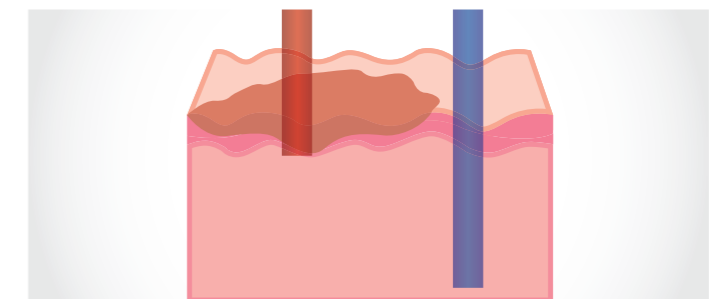
- 2nd Pulse of Nd:YAG 1064 nm

Methemoglobin absorbs the 1064 nm 3 times more efficiently than hemoglobin



Benign Pigmented Lesions and Skin Rejuvenation

③

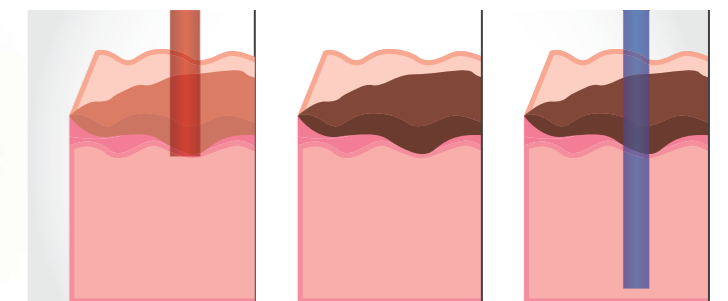


ALEXANDRITE 755 nm

Alex 755 used at short pulses is effective for the removal of Benign Pigmented Lesions

Nd:YAG 1064 nm

Nd:YAG 1064 nm increases skin temperature to stimulate collagen production. It is also ideal for the treatment of fine lines in all skin types with no down-time



Mixed Mode: ALEX 755 nm + Nd:YAG 1064 nm

Double-wavelength treatment to combine benefits of each wavelength in a single session

- 1st Pulse of Alex 755 nm

Alex 755 used at short pulses is effective for the removal of Benign Pigmented Lesions

- 2nd Pulse of Nd:YAG 1064 nm

Nd:YAG 1064 nm increases skin temperature to stimulate collagen production. It is also ideal for the treatment of fine lines in all skin types with no down-time

MIXED Technology

The **Mixed Technology** performs the largest range of hair removal applications, as well as dermatological vascular and rejuvenation treatments.

Due to the proprietary Mixed Technology, the operator can select easily single or double wavelength emissions, using **simultaneous** or **sequential** pulses that can be adjusted according to the patient's needs.

The combination of **Alex 755 nm** and **Nd:YAG 1064 nm** results in a remarkable fluence reduction compared to single emissions to increase safety and effectiveness especially on middle-dark skin types.



The hair removal treatment you are looking for



The best wavelengths for the maximum efficacy on all skin types and hair conditions



With mixed technology treatments can be performed all over the year with no season limits



High power for bigger spot size and the fastest treatments



Maximum comfort thanks to the pain control functions



Exclusive super-elliptical spot profile to minimize the pulse overlap and reduce undesired temporary effects

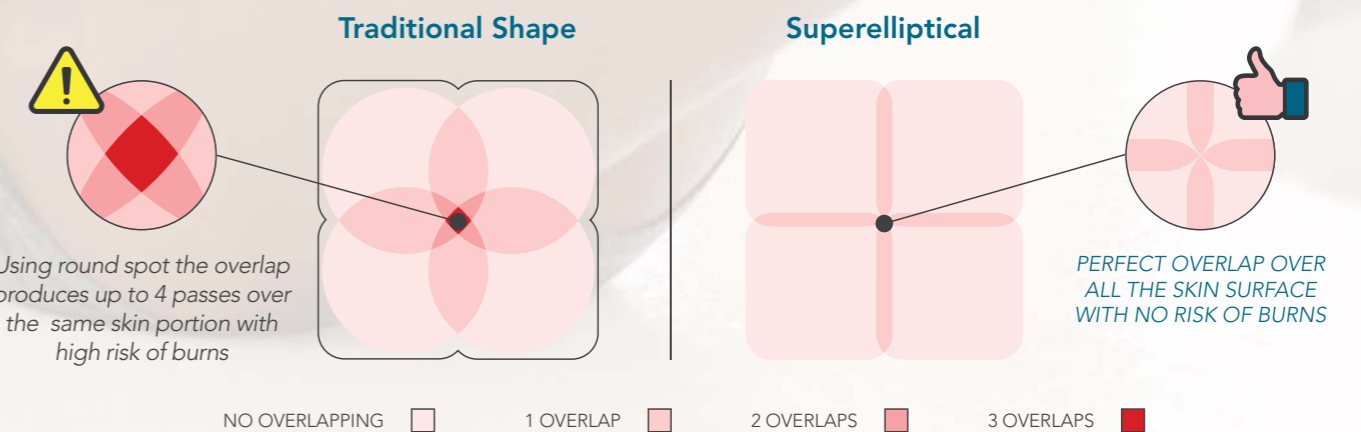


Software integrated optional cooling system for patients comfort

OPTISPOT Superelliptical Spot Shape

This exclusive spot has been designed with a **superelliptical shape** to minimize spot overlap and homogeneously distribute the energy on the skin. This characteristic results in uniform treatment effects to avoid excessive skin temperature in the overlap areas.

The **Superelliptical spot** covers an area which is the 22% wider than the traditional round spots at same nominal size. The overall treatment times, because of the high laser power, result thus to be remarkably shorter for incomparable speed performances with more patients' comfort.



Handpieces



Skin Cryo



MULTIPLE SPOT SIZES

The most complete range of handpieces: variable for vascular 2-5 mm and for other treatments up to 24 mm



PRECISE TREATMENTS

Multiple spot dimensions for the most complete range of fluence to adapt to a wide range of treatments



BLAST SHIELD

Cartridge protective window easy to be changed - to avoid undesired damages on the optics of handpieces



THERMAL CONTROL

Optimal thermal control to perform extensive treatments with more safety



COMPACT

Optional air cooling integrated within the same unit and controllable through the laser screen



FAST COOLING & COMFORT

Very fast and adjustable air flow able to maximise the skin protection

Quanta Scanner

Optional scanner for assisted hair removal and skin rejuvenation treatments.
This device can deliver laser pulses with controlled overlap placing the spots precisely and guiding even the most unexperienced practitioners to perform safe, effective and fastest treatments.



AUTOMOTION TECHNOLOGY

- EXTENDED HAIR REMOVAL**
Very large body areas easily to be treated
- HIGH SPEED TREATMENT**
Maximum of 15 Hz of repetition rate
- LOW DISCOMFORT PROCEDURES**
Low/No pain automatic treatments
- EASIER TREATMENTS**
To guide the user to minimize inexperience risks

MULTIPLE SCANNING SHAPES
to fit with specific skin areas

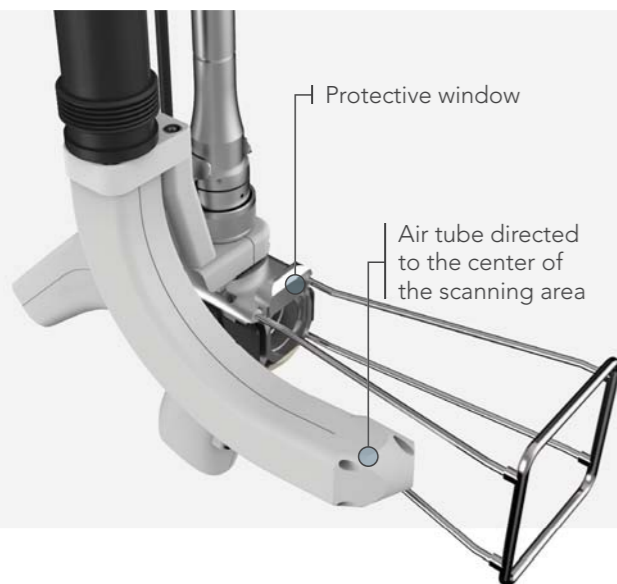
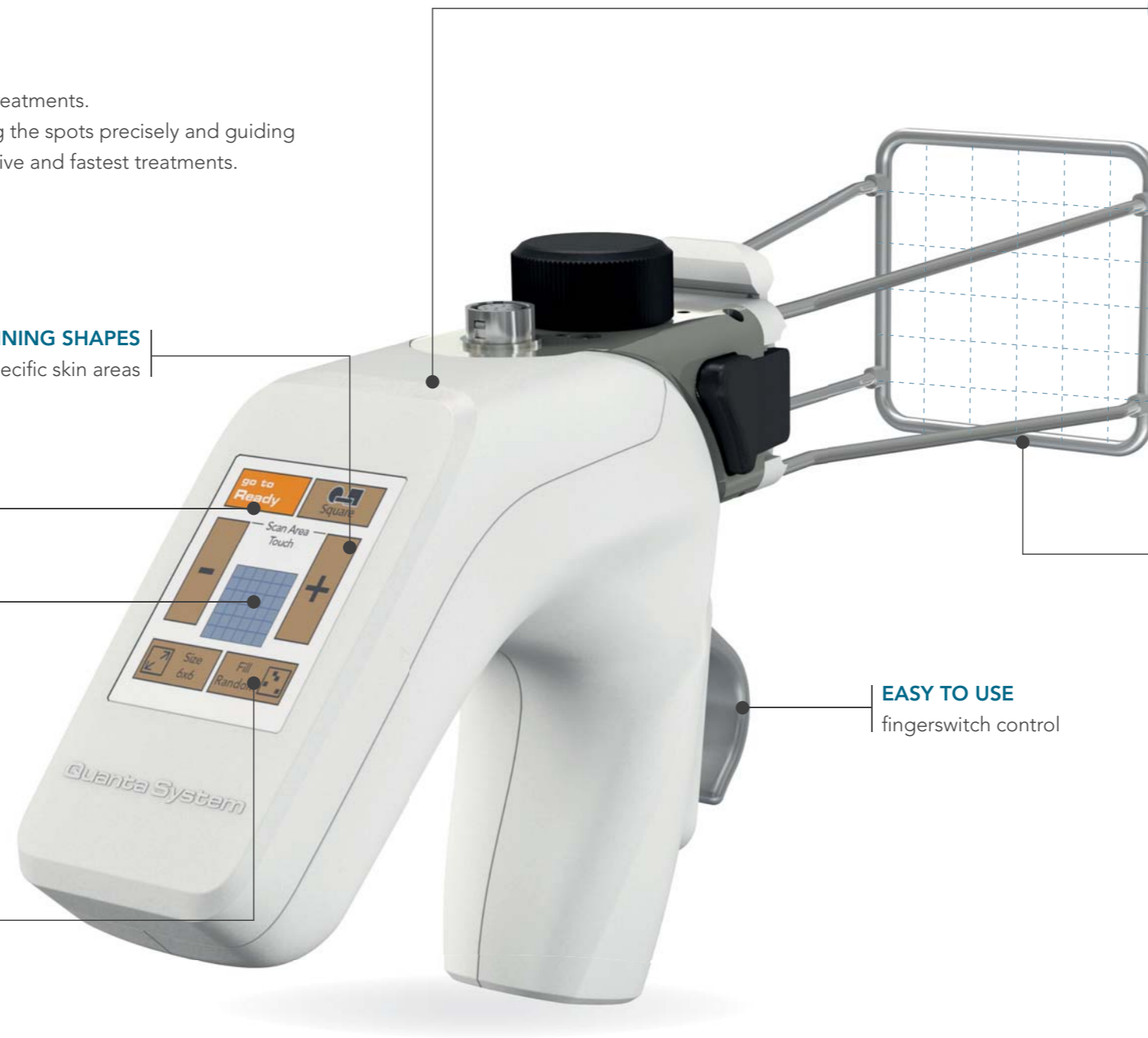
DISINFECTABLE TOUCHSCREEN
to set all the scanner parameters

OVERLAP SETTINGS
adjustable with the scanner screen

DIFFERENT FILL MODES
available to better adapt to specific treatments necessities

EASY TO USE
fingerswitch control

WIDE SCANNING DIMENSION
for a maximum scanning area of 29 cm²
OPTI SPOT
super elliptical scan unit to maximize the treatment speed and maximize the patient comfort



Skin Cryo TH

- MAXIMUM PROTECTION**
For very efficient cooling even on the widest areas
- LEFT-HANDED VERSION AVAILABLE**
It is possible to order a left-handed version of the Skin Cryo TH

Qool-air

- COMPACT INTEGRATED SYSTEM**
For the best space saving solution in every clinic
- SOFTWARE INTEGRATED**
Easy setting of the cooling parameters on the screen
- NO CONSUMABLES**
Complete skin cooling system without maintenance costs



Before and After pictures

HAIR REMOVAL *Courtesy Paolo Sbano MD*



BEFORE



AFTER

HAIR REMOVAL *Courtesy Paolo Sbano MD*



BEFORE



AFTER

HAIR REMOVAL *Courtesy Paolo Sbano MD*



BEFORE



AFTER

DERMATOLOGICAL VASCULAR LESIONS *Courtesy Paolo Sbano MD*



BEFORE



AFTER

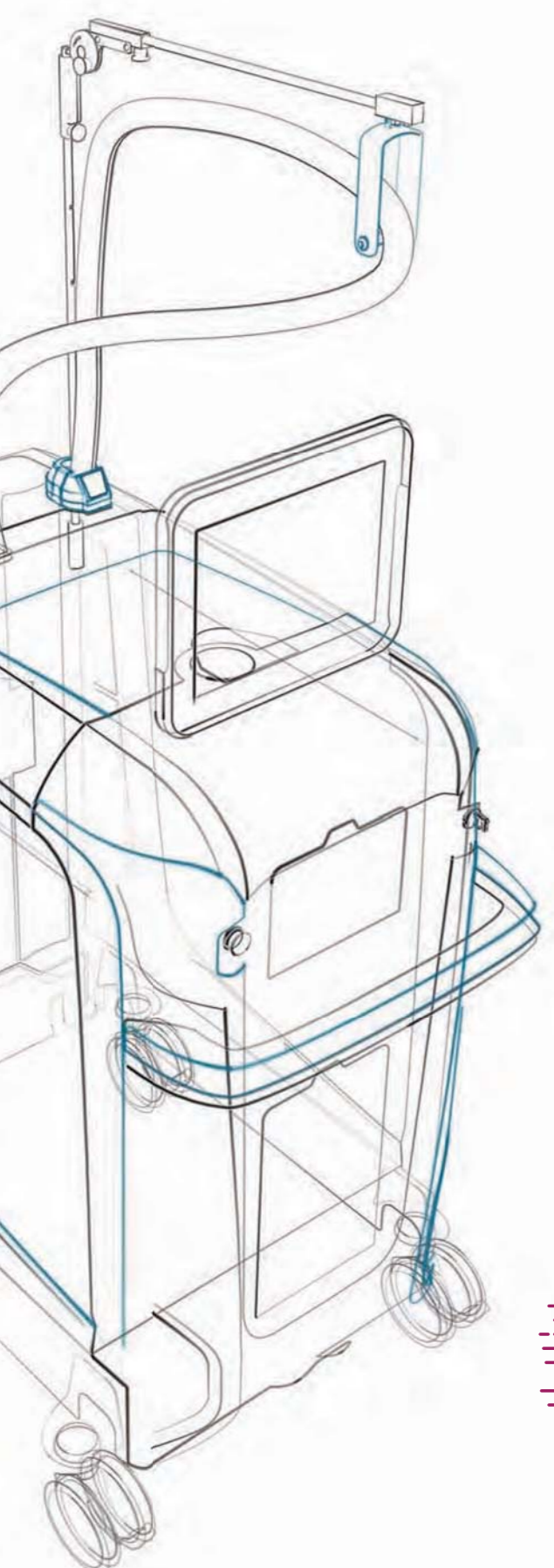
BENIGN PIGMENTED LESION *Courtesy Paolo Sbano MD*



BEFORE



AFTER



Advantages



Scalable configuration from one to two-wavelengths also with Mixed Technology and exclusive options



The highest power for unparalleled efficacy



Great flexibility of use with multiple emission modes for a wide range of indications



New exclusive features for pain management and treatment safety



Maximum laser speed for the fastest treatments ever

Technical Specifications

LASER	Nd:YAG	Alexandrite	Nd:YAG+Alexandrite
Wavelength (nm)	1064	755	1064 + 755
Pulse width (ms)	0.3 ÷ 300	0.3 ÷ 300	see single sources
Fluence (J/cm ²)	up to 500	up to 500	see single sources
Repetition rate (Hz)	up to 10	up to 10	up to 7
Repetition rate scanner (Hz)	up to 15	up to 15	up to 10
Available spot sizes (mm) (all optional)	Optispot 2 ÷ 5, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24 with handpieces; 9 with Scanner		
Beam delivery	Optical fiber with detachable handpieces or Quanta Scanner		
Skin Cooling system	Air cooling handpiece adaptor; Qool-air (optional)		
Electrical requirements	200-240 Vac; 50/60 Hz; 6 kVA		
Dimensions and weight	652 mm (W) x 935 mm (D) x 1124 mm (H); 180 kg		

CONFIGURATIONS

LASER	Nd:YAG	Alexandrite	Nd:YAG+Alexandrite
Wavelength (nm)	1064	755	1064 + 755
Thunder HR		•	
Thunder VT	•		
Thunder	•	•	
Thunder MT	•	•	•

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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