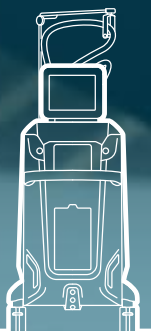
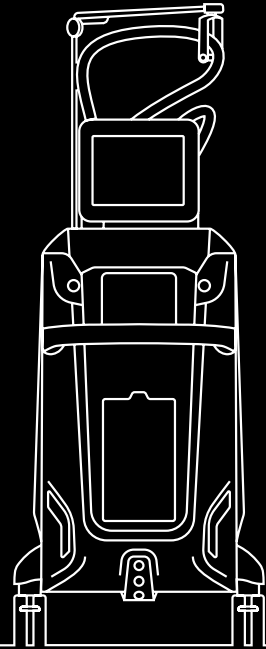
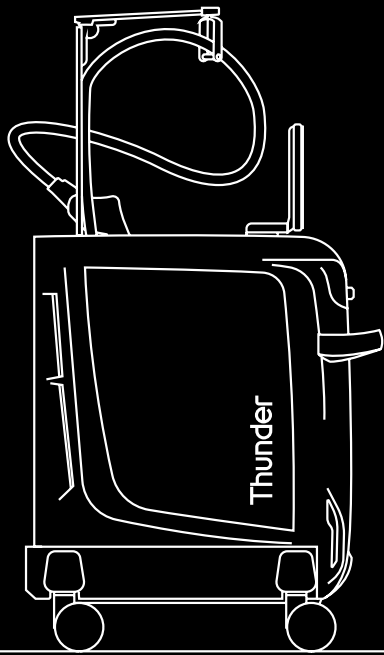


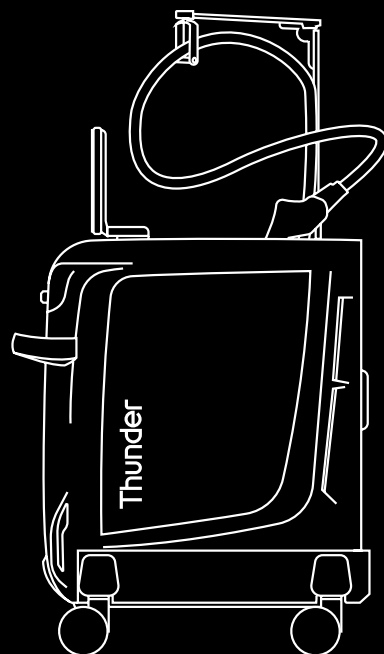
Quanta System

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 consumer 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 OptiScan TH
- Handpieces with optimized spot up to 24 mm



Optispot Handpieces and Scanner

USB Port for Easy Maintenance and Updates

Handpieces door case

4 Pivoting wheels—easy to move device

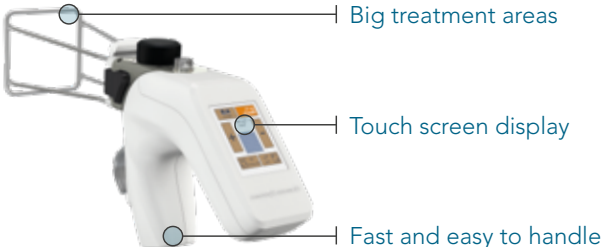


12" Touchscreen Display

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



OptiScan TH

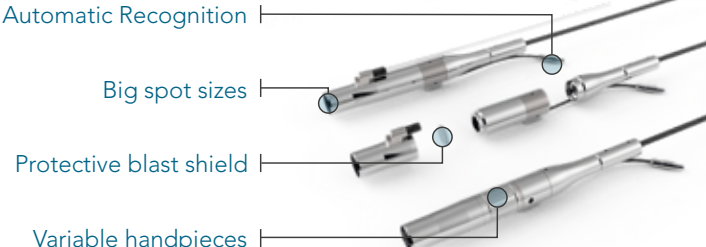


Big treatment areas

Touch screen display

Fast and easy to handle

Optispot Handpieces



Automatic Recognition

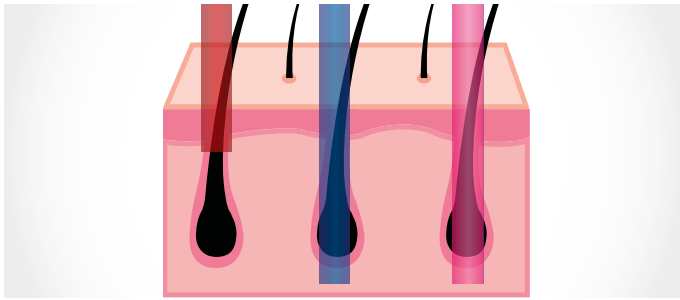
Big spot sizes

Protective blast shield

Variable handpieces

Hair Removal

1



ALEXANDRITE 755 nm

Perfect for light skin types

Nd:YAG 1064 nm

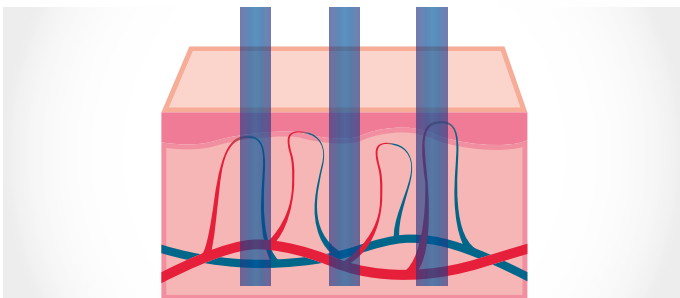
The safest wavelength for darker skin types

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

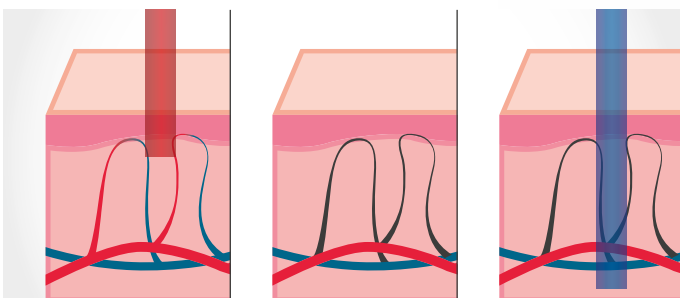
Dermatological Vascular Lesions

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

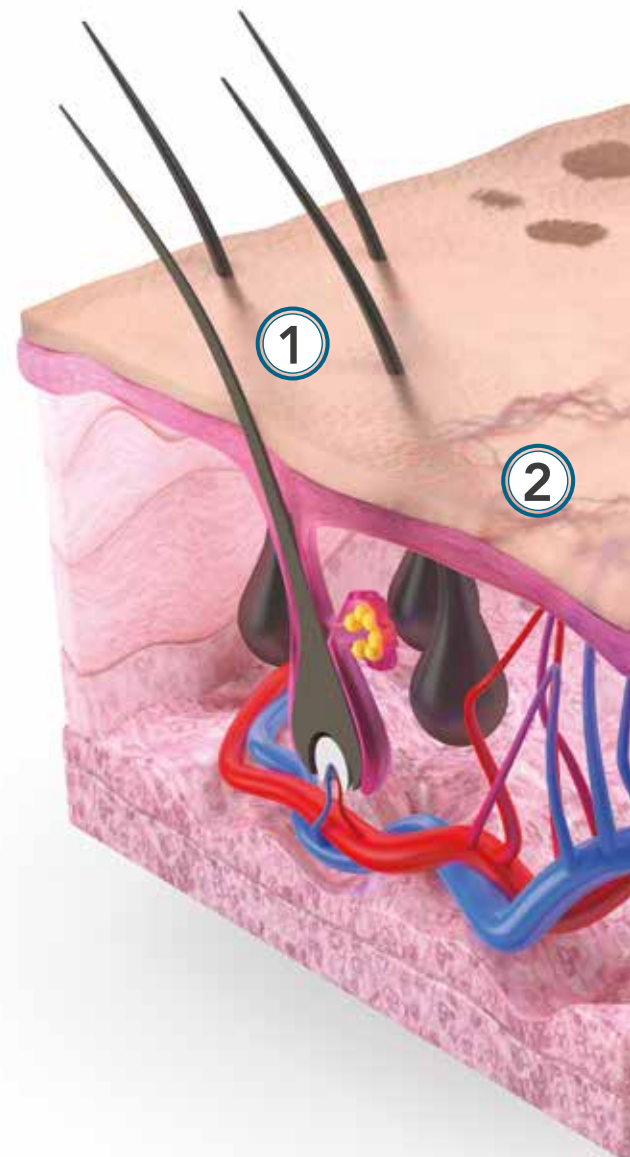
Maximized effects on Hb and HbO₂ absorption to improve treatment comfort

- 1st Pulse of Alex 755 nm

Hemoglobin absorbs 755 nm and becomes methemoglobin

- 2nd Pulse of Nd:YAG 1064 nm

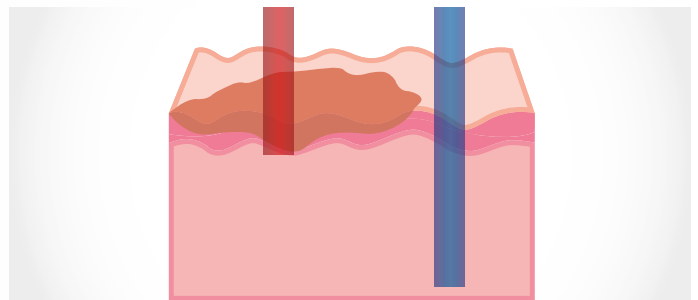
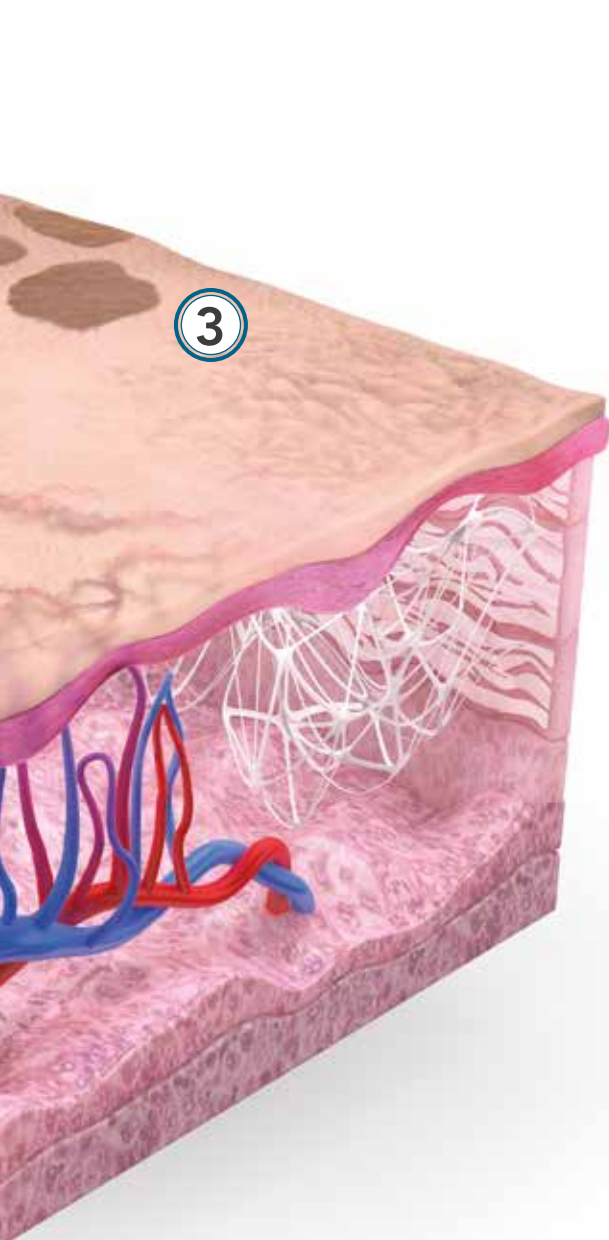
Methemoglobin absorbs the 1064 nm 3 times more efficiently than hemoglobin



Different emission modalities for each treatment need

Benign Pigmented Lesions and Skin Rejuvenation

3

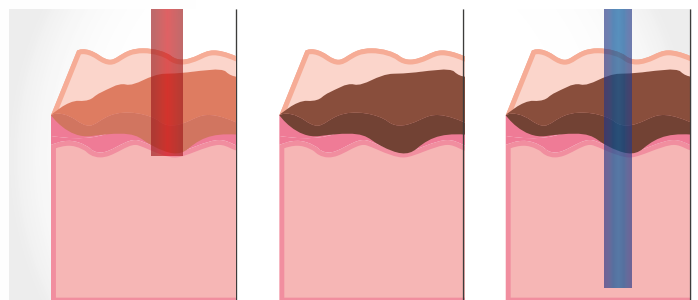


ALEXANDRITE 755 nm

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 consumer'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.



Sequential emission



Simultaneous emission



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 consumers' comfort.

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



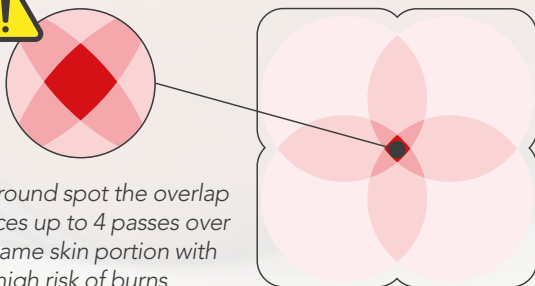
Exclusive super-elliptical spot profile to minimize the pulse overlap and reduce undesired temporary effects



Software integrated optional cooling system for consumer comfort

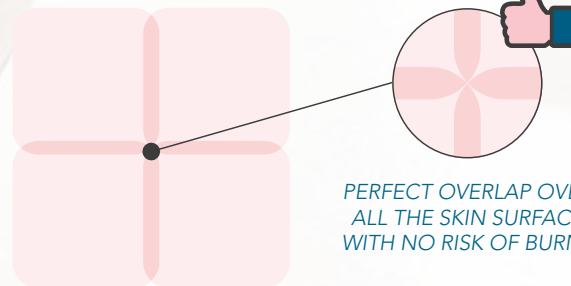


Traditional Shape



Using round spot the overlap produces up to 4 passes over the same skin portion with high risk of burns

Superelliptical



PERFECT OVERLAP OVER ALL THE SKIN SURFACE WITH NO RISK OF BURNS

NO OVERLAPPING

1 OVERLAP

2 OVERLAPS

3 OVERLAPS

Handpieces

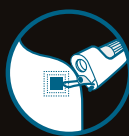
HANDPIECE EASY
INSERTION

AIR COOLING
TUBE INSERTION



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



Skin Cryo



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

OptiScan TH

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.

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



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



AUTOMOTION TECHNOLOGY

EXTENDED HAIR REMOVAL

Very large body areas easily to be treated

HIGH SPEED TREATMENT

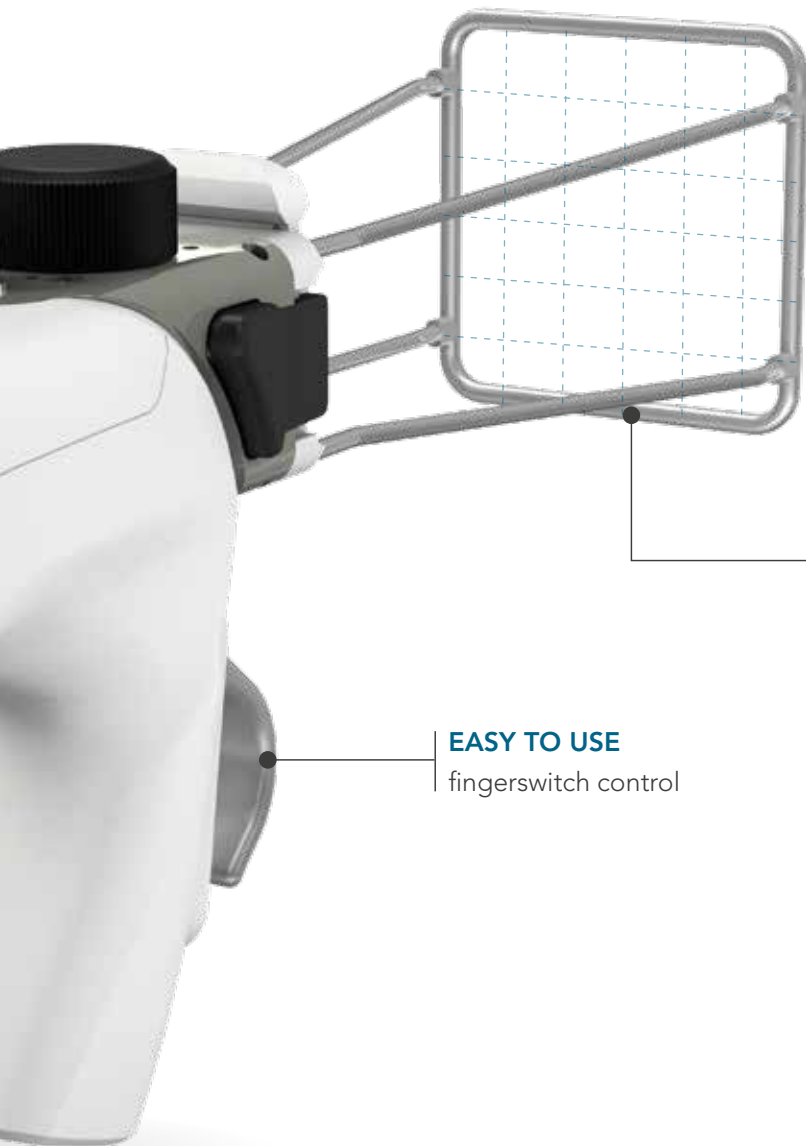
Maximum of 15 Hz of repetition rate

LOW DISCOMFORT PROCEDURES

Low/No pain automatic treatments

EASIER TREATMENTS

To guide the user to minimize inexperience risks



EASY TO USE

fingerswitch control

WIDE SCANNING DIMENSION

for a maximum scanning area of 29 cm²

OPTISPOT

super elliptical scan unit to maximize the treatment speed and maximize the consumer comfort



Easy to move

Connected to the device

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*

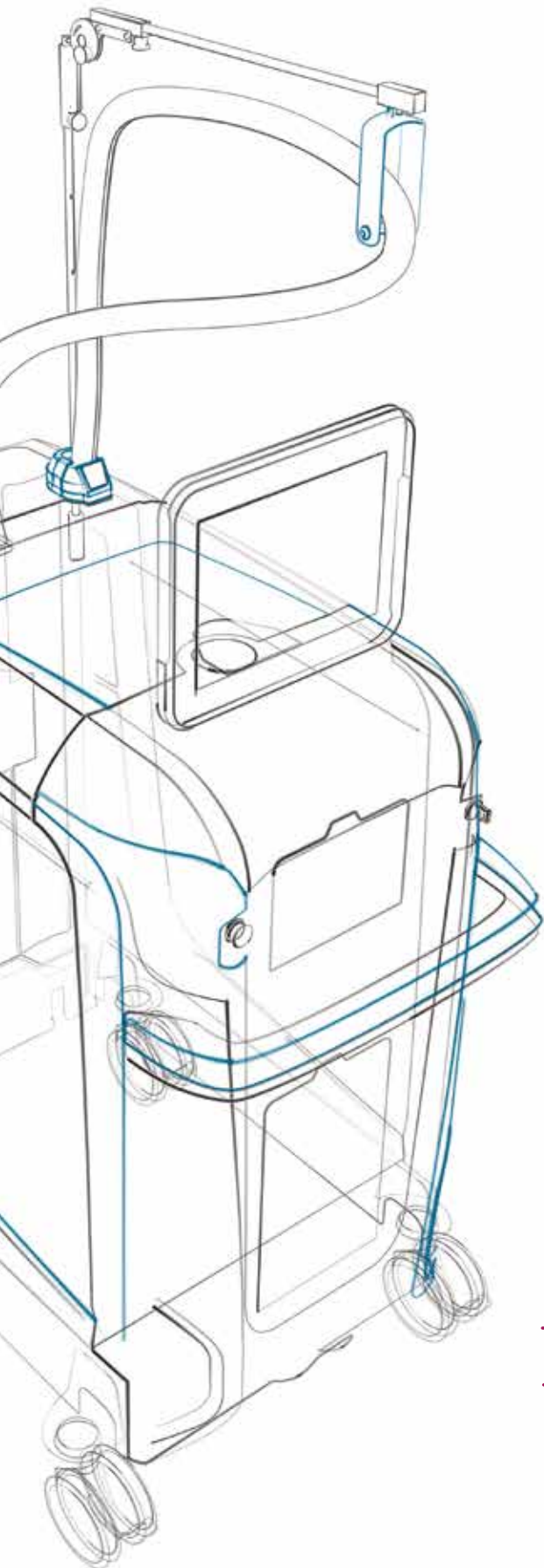


BEFORE



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 OptiScan TH		
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	•	•	•

Quanta System

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



*Nayel Medical is the exclusive distributor for
Quanta System Aesthetic Lasers in UAE*

DANGER - VISIBLE AND INVISIBLE LASER RADIATION

Avoid eye or skin exposure to direct or scattered radiation | Laser product: Class 4

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



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