

# SPLENDOR X™

UNIQUE AND UNMATCHED

THE ONLY  
ALEXANDRITE & Nd:YAG SYSTEM  
POWERED BY

BLEND X® TECHNOLOGY



LUMENIS

[WWW.LUMENIS.COM](http://WWW.LUMENIS.COM)



## WORLD'S FIRST, FROM A WORLD LEADER

**SPLENDOR X** IS UNLIKE ANY OTHER ALEXANDRITE AND Nd:YAG SYSTEM FOR LASER HAIR REMOVAL (LHR), BENIGN DERMATOLOGICAL VASCULAR LESIONS\* AND MORE

Introduced by LUMENIS, a global leader in laser and energy based-technologies, it is the only Alexandrite and Nd:YAG laser system powered by BLEND X technology for unprecedented power, speed, efficacy and versatility.

SPLENDOR X lets you customize and tailor laser hair removal and other treatments\*\* across a wide range of skin tones, like never before. It is an innovative square fiber-delivered laser system featuring optimal skin coverage by large, square spots, providing safe, efficient treatments thanks to unique energy management, together with an integrated plume evacuator and supporting an optimal patient experience by a Dual Cooling System (DCS).

\*Hereinafter referring to as Benign Vascular Lesion Treatments/Vascular Treatments.  
\*\*Refer to approved indications for use.

## SETTING THE GOLD STANDARD

### EFFICACY & OUTSTANDING SPEED

It's all about power, speed, and precision. The dual wavelengths crafted with 2 independent power supplies support a powerful output power, providing high repetition and rapid coverage rates together with high fluence, resulting in only a few sessions to achieve ultimate results.

Operators can treat more customers, fast. Customers can have the confidence that treatments are effective and comfortable making Laser Hair Removal an outstanding experience.

### ULTIMATE VERSATILITY & TAILORED TREATMENTS

SPLENDOR X lets you customize hair removal and skin treatments across a wide range of skin tones, including dark or tanned skin\*. Ideal for both women and men, it addresses a wide range of hair removal procedures and skin conditions such as ingrown hair (PFB), wrinkle reduction, vascular and pigmented lesions.

While the Alexandrite 755nm wavelength is suitable for lighter skin and the Nd:YAG 1064nm for darker skin, it is the use of the exact, tailored proportions for the specific skin type by the BLEND X, with a choice of spot size that makes treatment tailored to the customer.

\*Not deep suntan, recent suntan, sunburn, or artificially tanned skin.





# STAND OUT BY INNOVATION AMONG ALL OTHERS

## SAFETY

Plume (laser smoke) is a biohazard that contains potentially dangerous toxic and biological components\*. SPLENDOR X provides a cleaner and safer environment, with less smell, thanks to an integrated plume evacuator, with no additional practitioner needed to operate laser & plume evacuator simultaneously.

## NO HIDDEN COSTS

With SPLENDOR X there are no direct patient-related consumables and it has a longer lamp-life, improving efficiencies.

## LESS MAINTENANCE, LESS SYSTEM DOWN-TIME

SPLENDOR X with its Remote Service Connectivity allows certified engineers to trouble shoot, calibrate and upgrade the system remotely.

## CUSTOMERS COMFORT & SATISFACTION

Lasers are effective when hair is at the Anagen growth stage, but because not all hairs are at the same stage at the same time, normally multiple treatments are needed to permanently remove unwanted hair. With SPLENDOR X both results and treatment experience are outstanding. The customer will enjoy less pain and superior safety thanks to the dual cooling mechanism and efficacy profile.

## QUICK RETURN ON INVESTMENT

Powered by BLEND X technology, SPLENDOR X offers highly efficient treatments, requiring short sessions due to power & speed, allowing less treatments per patient, less clinic visits, serving more new customers per day.

\*J. A. de Boer A, Fransen F, R. Bloemen P, A. Meesters A, A. de Rie M, Wolkerstorfer A. Ultrafine particle concentrations during laser hair removal: Effectiveness of smoke evacuators. Lasers Surg Med. 2021;1-7. <https://doi.org/10.1111/lsm.23465>

## BLEND X TECHNOLOGY

Dual laser emission of Alexandrite (755nm) and Nd-YAG (1064nm) wavelengths, can be adjusted and synchronized, enabling tailored treatments.

## SUPER OUTPUT POWER

2 independent power supplies supporting a super-strong output power, SPLENDOR X provides high repetition rate combined with high fluence (energy density) and enabled by large spot size.

## SQUARE SHAPE SPOTS

Uniform skin coverage, eliminating overlap and hotspots. Variety of sizes (up to 27x27mm) with larger spots penetrating deeper.

## DUAL COOLING SYSTEM (DCS)

Minimal pain, avoiding burns with a combined Cryo-Touch and Cryo-Air system. The tip of the hand-piece is designed to deliver cold air exactly over the laser beam treatment area, actively removing heat from target tissues.

## INTEGRATED PLUME (SMOKE) EVACUATOR

A built - in plume (smoke\*) evacuator and HEPA filter provide a safer environment with less smoke and smell to ensure the well-being of both the customer and treatment provider.

\*J. A. de Boer A, Fransen F, R. Bloemen P, A. Meesters A, A. de Rie M, Wolkerstorfer A. Ultrafine particle concentrations during laser hair removal: Effectiveness of smoke evacuators. Lasers Surg Med. 2021;1-7. <https://doi.org/10.1111/lsm.23465>



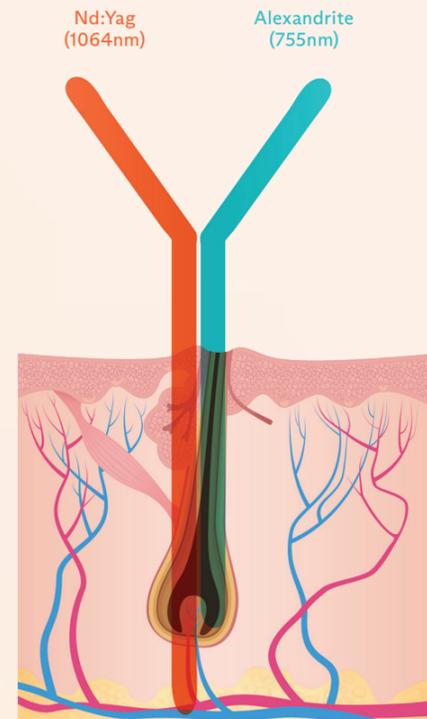
# THE TECHNOLOGIES THAT SET THE GOLD STANDARD

## BLEND X TECHNOLOGY

Powered by BLEND X technology there is a reason why SPLENDOR X is a unique solid-state laser system with unprecedented power, speed and coverage.

The Dual wavelength of Alexandrite and Nd-YAG may be synchronized for emission, in varying proportions – tailored per customer, depending on the individual’s skin type, hair color and thickness, thus allowing safe and effective treatment, going beyond\* the efficacy of a single wavelength emission. The powerful, fast and versatile SPLENDOR X treats a wide range of hair removal procedures.

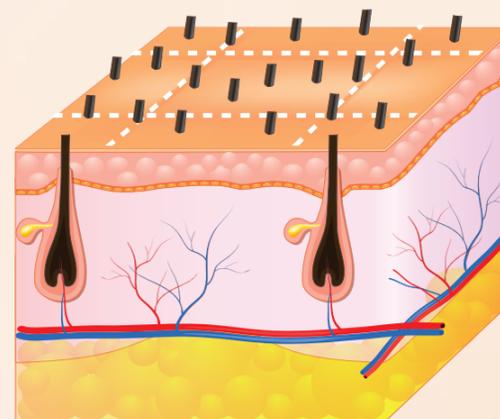
\* Lumenis data on file (Doc: 1018847)



BLEND X technology targets the hair follicle in two depths for greater efficacy.

## SQUARE LASER TECHNOLOGY

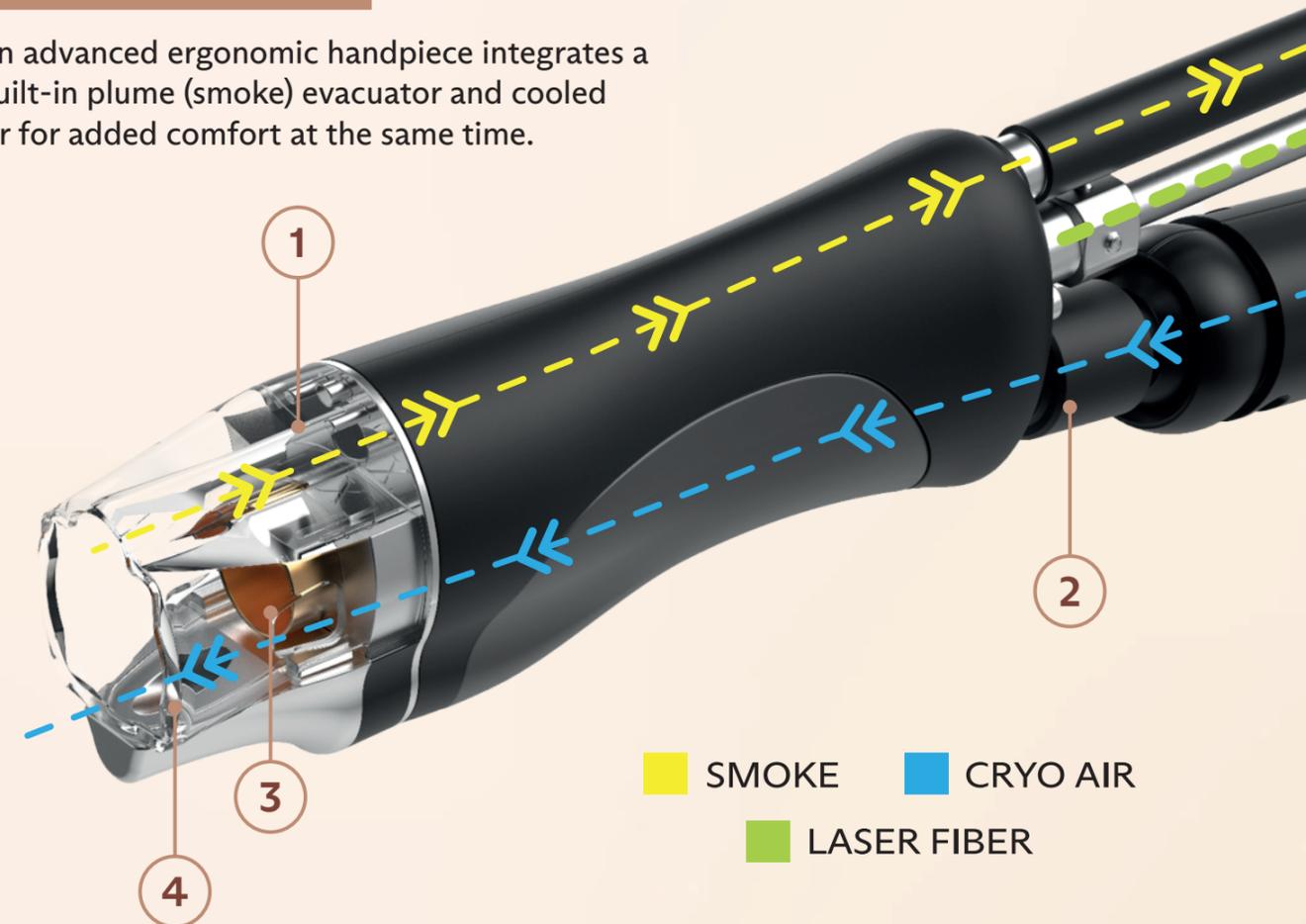
It is well known that traditional round shape spots may provide inconsistent skin coverage if areas are missed, driving the practitioner to retouch them, leading to unwanted overlap, thus increasing risks of burns. SPLENDOR X features a unique square-shaped laser spot that optimize and safely covers every inch of the skin being treated with wide size choice. It’s the optimal coverage: no missed areas, and no potentially dangerous overlaps.



Precision coverage is made even simpler with Skin Marking providing an easy grid matrix to follow.

# UNIQUE MULTI-PURPOSE HANDPIECE

An advanced ergonomic handpiece integrates a built-in plume (smoke) evacuator and cooled air for added comfort at the same time.



**1 BUILT-IN PLUME EVACUATOR WITH CLOSED CAP DESIGN**  
An integrated plume-evacuator and HEPA filter reduce the plume spread, allowing an environment with less smoke and smell and ensuring the well-being of the treatment provider and the customer.

**2 SPHERIC CONNECTOR**  
Makes the handpiece easier to move without fighting against a rigid connection that turns the hose into a lever.

**3 INTERCHANGEABLE TIPS VARIETY (SQUARE & ROUND)**  
Easy to replace interchangeable tips for any spot size, including the largest on the market.

**4 DCS (DUAL COOLING SYSTEM)**  
Combined Cryo-Touch and Cryo-Air. The Cryo Tip is designed to deliver cold air exactly over the laser beam treatment area, and actively remove heat from tissues.

# SPLENDOR X

## GO BEYOND LASER HAIR REMOVAL AND TREAT MYRIAD OF INDICATIONS, INCLUDING BENIGN VASCULAR LESIONS

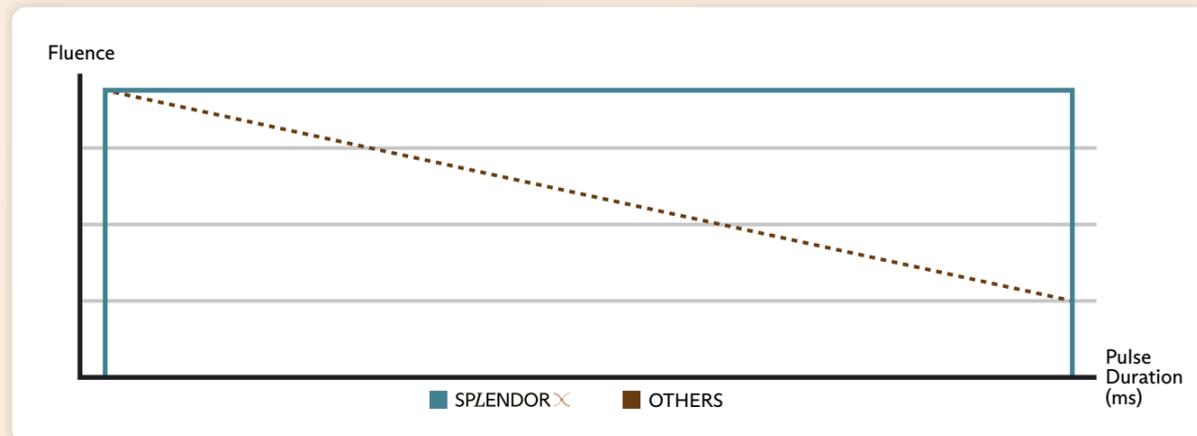
The long-pulse Nd:YAG is widely established as a solution for treating common benign vascular lesions based on the theory of SPTL\* (Selective Photo-thermolysis). In the case of vascular treatments, target structures are intravascular oxygenated and deoxygenated hemoglobin.

Thanks to its deep dermal penetration and lower absorption by epidermal melanin, Nd:YAG enables a treatment that is both safe and efficient.

\* Anderson RR, Parrish JA. Selective photo thermolysis: precise microsurgery by selective absorption of pulsed radiation. Science 1983 Apr 29;220(4596):524-7

### A UNIQUE DEDICATED ELONGATED PULSES MECHANISM

The pulse mechanism for vascular treatments differs from the hair removal mode by its **energy distribution management**. The aim is to create a different effect on the target; by applying dedicated **Elongated Pulses mechanism** SPLENDOR X enables tailored “vascular supporting” energy distribution, more control and fine tuning, resulting in reproducible results and no “burst effect”.



SPLENDOR X equalize the energy over the entire pulse or over sequential sub pulses creating the optimal pulse.

### SUPER-CAPACITY CAPABILITIES

High Charge Capacity enables initial super-high stored energy, resulting in longer pulse duration and constant energy delivery over time (desired for vascular treatments), resulting in reproducible results (no “burst effect” in vessels), thus enabling safe and effective vessel closure and coagulation.

### “TRUE SQUARE” FIBER TECHNOLOGY ENABLES UNIFORM ENERGY DISTRIBUTION

The unique square fiber used by SPLENDOR X supports true “flat top” square spots, and enables a uniform laser energy distribution targeting the vessels as well as eliminating overlap and hotspots.

## HANDPIECE DESIGN SUPPORTS VASCULAR TREATMENTS

The SPLENDOR X handpiece support efficient practice when treating vascular lesions, thanks to its design:

- A dedicated open design cap for optimal exposure of vessel for greater visibility
- No direct contact by the Hand Piece spacer over the treated area, and no sapphire structured cooling, thus reduced undesired vasoconstriction effect
- **Full control of treatment area external cooling - may be adjusted or totally shut off**
- More precise, controlled and optimal delivery of cooling alongside the laser emission allowing positioning close to the treatment area

## VASCU-SET AND CLINICAL GUIDELINES

A dedicated kit of 3 square vascular tips (2, 3, 5 mm) and an “open- design” cap

The dedicated square vascular tips are designed with an optical system of multi - lenses, to avoid aberrations in small areas and ensure the creation of a collimated beam, and consistent heat distribution. The tips’ sizes variety allow different depths penetration, making it usable for both body & facial treatments.

It is the unique combination of elongated pulses mechanism and dedicated tips design, that enable ideal uniform heat distribution, making SPLENDOR X an ideal laser system for treating a variety of common benign conditions.

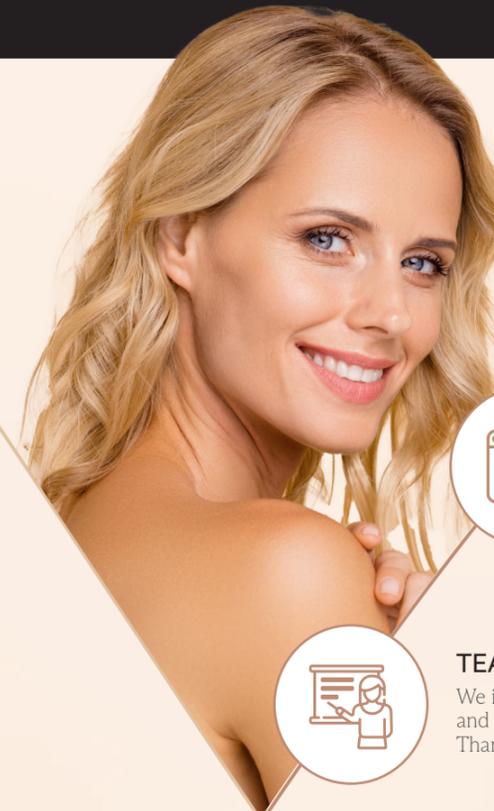


# UNIQUE AND UNMATCHED SPLENDOR X



## SPLENDOR X YOUR JOURNEY HAS JUST BEGUN

We want your business to grow with SPLENDOR X. That's why we tailored service package to support your business. We ensure that you have all the training you need and receive the most up to date clinical materials. Our direct to consumer marketing activities support the brand, keeping Lumenis laser hair removal the treatment of choice when it comes to consumers around the world.



**LUMENIS PRACTICE LOCATOR**  
Thousands of patients search for treatment providers every month. Help them find your clinic by registering your practice on the Lumenis Practice Locator. We run campaigns through influencers, social media and viral videos to promote this directory.



**LUMENIS ONLINE**  
Consumers have many questions about laser hair removal treatments. Our dedicated patient-facing website will give them the re-assurance and confidence they need to move forward with the treatments.



**TEAM TRAINING**  
We install the system and train your staff, so that you are able to assess skin types and conditions, creating the perfect treatment plan for each individual patient. Thanks to the clinical training you will be able to tailor treatments with confidence.



**BEST PRACTICE MARKETING**  
Your individual Lumenis representative will be able to share marketing plans which you can tailor to your own business.



**BRAND YOUR CLINIC**  
As a Lumenis client you will have access to the Lumenis Physician Portal. Here, you can find materials such as brochures and posters. As well as gain access to a wealth of clinical and product information.



**YOUR MOST VALUABLE RESOURCE**  
Your dedicated representative is an email, text, or phone call away. We want you to feel part of the Lumenis family, so please feel free to contact us any time. We'll always do our best to get back to you asap.

PLATFORM	SPLENDOR X Powered by BLEND X Technology				
Configurations	Alex + Nd:YAG	Alex	Alex <sup>2</sup>	Nd:YAG	
Laser Source	Alexandrite and Nd:YAG laser sources	Single Alexandrite laser source	2 Alexandrite laser sources	Nd:YAG (Long Pulse)	Nd:YAG (Short Pulse)*
Wavelength (nm)	755 / 1064	755	755	1064	
Max Energy (J)	55 + 80 = 135	55	110	80	1
Pulse Duration (ms)	3 - 100	2 - 100	2 - 100	1 - 100	0.3 - 1
Pulse Repetition Rate (Hz)	up to 3	up to 3	up to 3	up to 3	up to 10
Max Average Power at 2Hz (W)	110+140	110	220	140	N/A
Cooling System	DCS (Dual Cooling System)				
Weight & Dimensions	190 Kg - 84×50×131 cm (LxWxH) Arm, display and front handle excluded				
Electrical Requirements	200-230VAC; 50/60Hz; 25A				
Square spot sizes (mm)	10×10, 14×14, 18×18, 20×20, 24×24, 27×27	10×10, 14×14, 18×18, 20×20	10×10, 14×14, 18×18, 20×20, 24×24, 27×27	10×10, 14×14, 18×18, 20×20	
Square Vascular Kit (mm)	2×2, 3×3, 5×5	2×2, 3×3, 5×5	2×2, 3×3, 5×5	2×2, 3×3, 5×5	
Round spot sizes (mm)	10 - 14 - 18 - 20 24 - 26 - 30	10 - 14 - 18 - 20 - 24	10 - 14 - 18 - 20 24 - 26 - 30	10 - 14 - 18 - 20 - 24	10 - 14 - 18 - 20 - 24
Max. Spot Size (round) at 2Hz and 20J/cm <sup>2</sup> of Fluence (mm)	26	18	26	20	n.d.

## INDICATIONS FOR USE\*

The current section includes information on indications for use, contraindications, warnings, precautions, complications, and side effects (non-inclusive list). The Nd:YAG 1064 Laser is intended for: Hair removal and permanent hair reduction\*\*, Treatment of Hirsutism, Treatment of benign pigmented lesions, Treatment of dermatological vascular lesions, Treatment of skin atrophy and elastosis (such as skin laxity, wrinkles, skin rejuvenation), Treatment of onychomycosis, warts and podiatric applications. The Alexandrite 755 laser is intended for: Hair removal and permanent hair reduction\*\*, Treatment of Hirsutism, Treatment of benign pigmented lesions, Treatment of dermatological vascular lesions. The combined Alexandrite 755 and Nd:YAG 1064 Laser is intended for: Hair removal and permanent hair reduction\*\*, Treatment of Hirsutism, Treatment of benign pigmented lesions, Treatment of dermatological vascular lesions, Treatment of skin atrophy and elastosis (such as skin laxity, wrinkles, skin rejuvenation), Treatment of onychomycosis, warts, and podiatric applications.

\*Indications for use are country specific and may vary between countries. \*\*Permanent hair reduction is defined as the long-term, stable reduction in the number of hairs re-growing when measured at 6,9 and 12 months after the completion of a treatment regime. Fitzpatrick skin types I – VI, including tanned skin\*\*\*. \*\*\* NOT deep suntan, recent suntan, sunburn, or artificially tanned skin.

## CONTRAINDICATIONS

This device is NOT recommended for the following cases: Patients who have had previous problems with laser therapy: These patients should be properly assessed before treatment. Patients with skin keloids: There is a greater risk of scarring after any trauma to the skin, including laser treatments. Please refer to the user manual for a complete list of contraindications.

## COMPLICATIONS AND SIDE EFFECTS

The most common immediate responses of laser treatment for hair removal, vascular lesions, pigmented lesions, and wrinkles are erythema, edema (redness and swelling), perifollicular edema and perivascular edema, vascular bleaching, lightening/darkening of pigment which may occur immediately after treatment and typically resolve within a few days. If excessive or prolonged edema or erythema occurs, they are considered adverse effects. The following adverse effects may appear in some patients in the treated area: Burns, Crusting and blistering of the treated area, Hypo or hyper-pigmentation (darkening or lightening of the skin), Irritation, itching, burning sensation, or pain during treatment or following treatment. Infection at the treatment site. Scarring may occur in rare cases. Transient exacerbation of hair growth. Mild to moderate pain may be felt during or after treatment. Purpura may be evident for several days following treatment. Pruritis may occur in rare cases. Contact dermatitis or irritant dermatitis may occur in some cases. Although adverse events are rare, they can be further minimized by following the operating pre / post instructions and using proper techniques.

**Please refer to the user manual for a complete list of intended use, contraindications, and risks.**

© 2024 LUMENIS BE LTD. ALL RIGHTS RESERVED

### Manufactured by Bios S.r.l.

Via Guido Rossa 10/12 - 20055  
Vimodrone (MI) - Italy  
T +39 02 27304275  
F +39 02 27304276  
info@biosgroup.eu  
service@biosgroup.eu

### Lumenis (Germany) GmbH

Heinrich-Hertz-Str 3  
D-63303  
Dreieich-Dreieichenhain  
GERMANY  
Tel: +49 (0) 6103 8335 0

### EMEA

Dreieich Dreieichenhain,  
Germany  
T +49 6103 8335 0  
F +49 6103 8335 300

### Roma, Italy

T +39 06 90 75 230  
F +39 06 90 75 269

### Hertfordshire, UK

T +44 20 8736 4110  
F +44 20 8736 4119

### AMERICAS

San Jose, CA, USA  
T +1 408 764 3000  
+1 877 586 3647  
F +1 408 764 3999

### JAPAN

Tokyo, Japan  
T +81 3 6743 8300  
F +81 3 6743 8301

### ASIA PACIFIC

Beijing, China  
T + 86 10 5737 6677  
F +86 10 5737 6767

### Gurgaon, India

T + 91 124 422 07 95  
Kowloon, Hong Kong  
T + 852 217 428 00  
F + 852 272 251 51



# LUMENIS



PB-00077910 Rev. A  
[WWW.LUMENIS.COM](http://WWW.LUMENIS.COM)