



**SHARPLIGHT™**  
the beauty of your success

# ALL IN ONE

All the must haves  
in one system

▶ Hair removal ▶ Acne ▶ Skin rejuvenation ▶ Vascular lesions  
▶ Pigmented lesions ▶ Contouring ▶ Tattoo removal

**OMNIMAX S4**



THE  
BEAUTY  
OF YOUR  
SUCCESS

## OMNIMAX S4 – Your Success Driver:

The aesthetic market is continuously on the rise as patients from all ages and ethnic groups are demanding non-invasive treatments that improve their sense of well-being. With the OmniMax S4 you can successfully fulfill your patients' aspirations and partake in this ever-growing industry.

### ► A Powerful Multi-Technology Solution:

The OmniMax S4 houses four non-invasive technologies- proprietary Dynamic Pulse Control™ (DPC) & Vermaderm, Radio-Frequency and Laser. Used as a stand-alone multi purpose solution technologies deliver impressive aesthetic results for a broad range of indications.

### ► Surpass your patients treatment expectations:

The OmniMax S4 lets you treat skin types 1-5, all body areas, all year round. Treatment is fast and pleasant, with no downtime. The technologies have been clinically proven to be safe and effective, and visible results are often evident from the very first treatment.

### ► Designed for your aesthetic work environment:

The OmniMax S4 software incorporates default parameter based on our clinical protocols it reflects our accumulated knowledge of 30,000 treatment per month, for optimal clinical outcomes (and also facilitates manual settings). The ergonomically designed hand pieces are easy to use and enable quick access to all body areas. DPC and VermaDerm hand pieces are equipped with a built-in sapphire contact cooling tip which protects the epidermis and ensures patient comfort.

Designed to seamlessly fit into your practice, the OmniMax S4 has a modern design with a small footprint.

### ► Grow your practice:

The OmniMax S4 enables you to treat a wide range of applications and attract patients of all age groups: from teenagers that want to reduce acne to baby-boomers seeking to revitalize their skin. This diversity allows you to build a long-term relationship with your patients and offer them different treatments as their needs change.





# Hair Removal

- *"Our goal is to help our clients feel and look their best. SharpLight's™ Omnimax system helps us achieve this goal. The most popular treatments include hair removal, skin rejuvenation and pigmented lesion removal. The Omnimax has benefitted our business because clients get a non-invasive, clean and painless treatment for successful photoepilation in any body area."*

---

**Dr. Javier Flores, M.D.** Curriculum Vitae, Coral Gables, Florida



# Offer Your Patients a Fast & Effective Hair Removal Treatment

Hair removal is one of the most popular aesthetic treatments today, and using the OmniMax S4 you can tap into this growing market. The OmniMax S4 uses proprietary Dynamic Pulse Control™ (DPC) technology which has been clinically proven to achieve superior hair removal results.

## DPC:

Dynamic Pulse Control (DPC) is a proprietary technology based on IPL (Intense Pulsed Light). It is unique since it offers a three-pulse configuration of smooth, long, and high pulses which enable you to use optimal protocols with high energy level that translate to shorter treatment sessions. This results in the optimal penetration of light energy into the sub-dermal skin layer and its absorption by the melanin pigment in the hair follicle. The energy is powerful enough to coagulate the hair follicle, yet gentle enough to leave the surrounding tissue unharmed.

## DPC Benefits:

- ▶ Three hand pieces that allow you to treat all skin types (I-V)
- ▶ Precise, long lasting hair removal results
- ▶ Shorter treatments than traditional IPL
- ▶ For treatments all year round
- ▶ A fast and virtually pain free treatment experience

Before



After 2 treatments



Before



After 6 treatments





Before



After 8 treatments



Before



After 2 treatments



# Acne

## Make Acne-Free Skin a Reality for Your Patients

Acne vulgaris is the most common skin disease and it affects individuals of all skin types and colors. It is estimated that 80% of those aged 11-30 have acne outbreaks at some point.

The OmniMax S4 allows you to provide an effective and long-lasting treatment of acne. The Dynamic Pulse Control (DPC) technology has been proven to effectively treat inflammatory acne, and for acne scars, the Fractional Laser 2940 delivers superior results.

### **Offer your patients:**

- ▶ Long term reduction of active acne
- ▶ Treatment of acne scars
- ▶ Visible results from the very 1<sup>st</sup> treatment
- ▶ Superior results on all skin types
- ▶ No side effects



**DPC**

The DPC AC 420 hand piece is specifically designed to treat acne vulgaris. During treatment, The 420nm wavelength is optimally absorbed by the porphyrins, produced by the P. acne bacteria. The absorption triggers a chemical reaction breaking the porphyrins and killing the bacteria. The heat released from the chemical reaction increases the oxygen in the tissue inactivating the P. acne bacteria. The 420nm wavelength also absorbs well in melanin increase tissue temperature and improve the healing process, shortening the active phase of the acne.

## *Er:YAG 2940 Fractional Laser*

The Fractional 2940 Laser is an excellent technology for treating acne scars. Rather than ablate a large surface area, the fractional laser delivers micro-beams which selectively ablate a 'fraction' of the tissue and leave healthy tissue in-between the beams. This allows for a faster epithelialization process and shorter recuperation periods. The Fractional hand piece is available with either a 7\*7 matrix or a 9\*9 matrix.



# Skin Rejuvenation

## Delight Your Patients with Younger-Looking Glowing Skin

The demand for skin rejuvenation treatments has been constantly increasing as patients seek to remove the effects of photoaging such as wrinkles, uneven skin tone and skin laxity.

The OmniMax S4 allows you to offer your patients the latest in skin rejuvenation technologies – Dynamic Pulse Control (DPC), Radio-Frequency, VermaDerm and Fractional laser. Used singularly or in combination, the technologies allow you to tailor each treatment to the precise needs of each patient and achieve superior clinical outcomes.



### DPC:

The DPC SR 580 hand piece is ideal for treatment of fine lines, textural imperfections and uneven skin tone. DPC facilitates a range of treatments-selective heating to achieve neocollagenesis in the dermis layer, increased heating to create a secondary wound-healing response and stimulate epidermal regeneration and thermal damage for lesion clearance.

▼  
*“Having the capability to modify fluencies, spot size, pulse duration and beam delivery, optimizes treatment parameters to meet each patient’s specific clinical needs. Using the Erbium: YAG hand piece for skin resurfacing treatments offers our patients results that are immediately visible yet comfortable.”*

---

**Dr. David Levens, M.D.,** Plastic Surgeon, Coral Springs, Florida



## Radio-Frequency:

The RF Face and RF Body hand pieces deliver advanced multi-polar RF energy. RF technology effectively tightens the skin and improves textural imperfections. During treatment, the RF homogeneously heats the dermis. As a result, the collagen fibers contract, yielding immediate skin tightening. Repeat treatments stimulate the fibroblasts to create new elastic fibers and collagen which provides long-term skin remodeling results.

## VermaDerm:

The IR hand pieces emit a wavelength ranging from 850-1750nm which penetrates the reticular dermis. The energy is absorbed by the Intracellular Fluid which acts as a chromophore that warms up the collagen fibers. The thermal effect causes the collagen fibers to immediately contract, and repeated treatments stimulate the creation of new collagen fibers that restore the skin's elasticity and tone. LP - IR is ideal for striae reduction, lax skin improvement and a variety of textural skin damage. VermaDerm is available in two spot sizes- 3.4 cm<sup>2</sup> and 6.4 cm<sup>2</sup>.

## Er:YAG 2940 Fractional Laser

The Fractional Laser hand piece delivers a powerful 2940nm wavelength and is ideal for treating scars, photodamage and other skin imperfections. As opposed to standard lasers which ablate large surfaces, the Fractional laser ablates minute micro-beams which are separated by healthy tissue. This results in dramatically faster reepithelialization and recovery periods. The Fractional handle is available with either a 7\*7 matrix or a 9\*9 matrix.

Before



After 3 treatments



Before



After 4 treatments



# Help Your Patients Achieve the Body Shape they Desire

While diet and excise are fundamental factors in body shaping, they cannot target select body areas. Patients are therefore increasingly demanding non-invasive alternatives that reduce circumference in difficult areas such as the abdomen and thighs.

The OmniMax S4 is equipped with two powerful body contouring technologies- Radio Frequency and Vermaderm, and clinical experience has shown that combined they yield superior body contouring results.

The S4 enables you offer your patients a fast, effective and no-downtime solution for:

- ▶ **Circumferential reduction**
- ▶ **Cellulite improvement**
- ▶ **Skin tightening**

**Circumferential reduction:** The RF and LP-IR hand pieces gently heat the fat cells in the adipose layer. By Combining RF with VermaDerm LP-IR you will offer your patient get the best results in circumferential reduction solutions together with the skin tightening effect for the remaining lax skin.

**Cellulite improvement:** Enlarged fat cells and weakened fibrous connective tissue in the upper dermis cause cellulite. Using RF energy, the fat cells are heated and their content is reduced. In parallel, the connective tissue are strengthened and the skin returns to its original form.

**Skin tightening:** RF and Vermaderm LP-IR is used to tighten lax skin following weight loss. During treatments, the thermal effect causes the collagen fibers to contract, resulting in immediate skin tightening. Additional treatments stimulate the fibroblasts in the lower dermis, which in turn create new collagen fibers and elastin that deliver long-term results.

## Contouring

Before



After 7 treatments



# Pigmented Lesions

## Fulfill Your Patients' Dream of Clearer and Unblemished Skin

Skin pigmentation is often one of the first signs of aging, and a growing number of patients are turning to aesthetic solutions to eliminate unwanted sun spots and blemishes.

The OmniMax S4 is equipped with two powerful technologies for treatment of pigmented lesions- Dynamic Pulse Control (DPC) and Q-Switched Nd: YAG laser. Both yield a safe and effective treatment for all skin types, and especially for dark skin tones.

### DPC:

The DPC VP 535 and the Dual VP hand pieces are ideal for treatment of a variety of pigmented lesions. VP 535 and Dual VP both have a wavelength ranging from 535 nm, the spectrum in which the energy is best absorbed by melanin presented in the lesion. The DPC pulses cause selective photothermolysis of the melanin chromophore which eliminates the pigmentation and yields a clearer, unblemished skin surface.

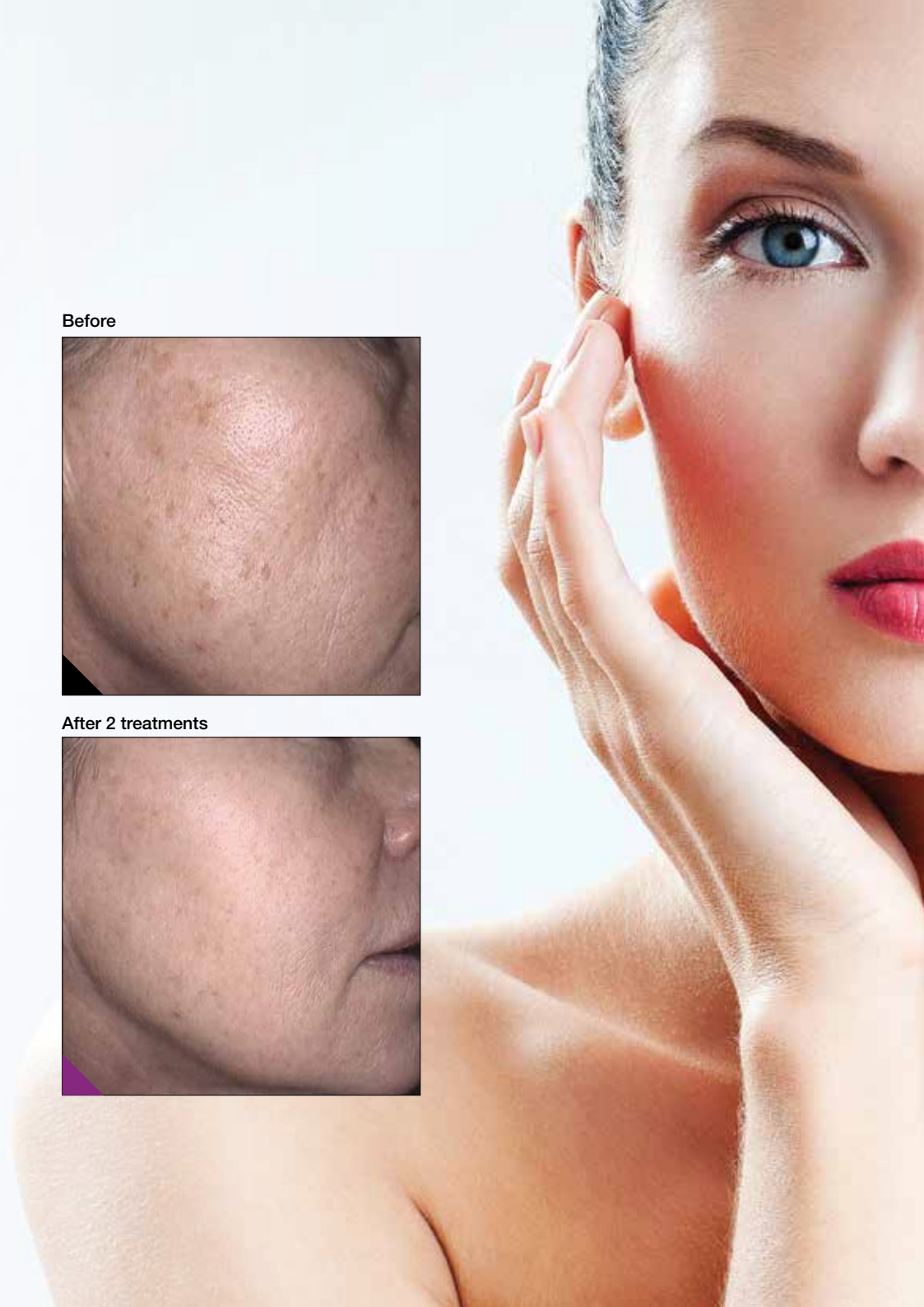
### Q-Switched Nd: YAG laser

The high-powered Q-Switched laser hand piece, effectively treats superficial as well as deep pigmented lesions. The laser's intense nanosecond pulses are rapidly absorbed in the pigmented lesions resulting in photo acoustic shockwaves that shatter the pigment clusters and result in a lighter, clearer skin complexion is achieved.

Before



After 2 treatments



# Provide an Effective Tattoo Removal Solution for Patients with 'Tattoo Regret'

Improvements in laser technology have resulted in a dramatic increase in tattoo removal treatments. The OmniMax S4 is equipped with a powerful Q-Switched laser which is considered the gold standard in tattoo removal. Using the Q-Switched hand piece you can offer your patients with 'tattoo regret' ink-free skin.

## The Q-Switched laser provides:

- ▶ Removal of tattoos across the color spectrum
- ▶ Reproducible results on all skin types
- ▶ Visible improvement from the very 1<sup>st</sup> treatment
- ▶ Fast and safe tattoo removal

## Q-Switched Nd: YAG laser

The Q-Switched is a dual wavelength laser that lets you select between 1064 nm and 532nm using a KTP adaptor. The 1064nm wavelength is suited for treatment of dark tattoos in the color range of dark purples, blues and black, while the 532nm wavelength is ideal for brighter tattoos that incorporate yellows, reds, oranges and other light colors. Tattoo removal is achieved by a mechanism, where the short and high intense laser pulse is selectively absorbed by the tattoo pigments, causing rapid thermal destruction of the pigment aggregates through a photo-acoustic mechanism. The Q-Switched handpiece is equipped with three spot sizes 2, 4, and 6mm, for easy access to all body areas.

## Tattoo Removal

▶ *"In my opinion, **the Q-Switched laser is the gold-standard for tattoo removal**. I have been very pleased with the ShaprLight Q-Switched since it lets me easily and effectively treat tattoos with various colorations. Most of the patients that have undergone tattoo removal in my practice were in their 20's and have later come back for other aesthetic treatments."*

---

Dr. H.B M.D, AML, Israel

Before



After 1 treatment





# Vascular lesions

Before



After 4 treatments



► *"With SharpLight's DPC technology, I have had the ability to provide treatments to an ethnically diverse patient population the system has the capability parameters for varying skin types, which ensures that safety measures are met for all my patients, all while still providing them with effective results. The Omnimax also allows me to treat pigmented lesions that have been resistant to other technologies. **My experience with SharpLight Technologies has been extremely satisfying. They give outstanding support, and their staff is amiable and professional**"*

Eduardo Weiss, M.D., F.A.A.D., Hollywood, Florida

## Let Your Patients Discover a World Free of Unwanted Vascular Lesions

For both aesthetic and medical reasons, patients are increasingly seeking treatment of unwanted vascular lesions such as varicose veins and rosacea. The OmniMax S4 is equipped with two powerful technologies for treatment of vascular lesions- Dynamic Pulse Control (DPC) and LP Laser 1064. DPC is better suited for treating small and superficial blood vessels, while the laser better targets deep vessels such as leg veins. Used separately or in a combined protocol, they yield a safe and effective treatment for all skin types.



### DPC:

The DPC VP 535 and the Dual VP hand piece are designed for treatment of vascular lesions. The VP 535 emits pulses ranging from 535-950nm and the Dual VP emits two wavelengths simultaneously- 535-680nm and 860-1200nm. Within these spectrums, the oxyhemoglobin and deoxyhemoglobin chromophores best absorb the energy. During treatment, the pulses cause coagulation in the target area, resulting in the destruction of the vessel wall and the disappearance of the vessel.

### LP Nd:YAG 1064:

The LP Nd: YAG 1064 laser hand piece is the perfect solution for treating deeper vascular lesions and veins. Due to its long pulse capabilities, the energy can target lesions in the deeper dermal layers that cannot be reached with shorter wavelengths. The 1064nm light is best absorbed by the oxyhemoglobin and deoxyhemoglobin chromophores and less by melanin. This yields selective photothermolysis of the hemoglobin chromophore, and limits damage to the epidermis.



# Technical Specifications

	DPC	Vermaderm	RF	Lasers		
				Fractional Laser 2940	LP Laser 1064	Q-Switched Laser 1064/532
Technology	IPL Dynamic Pulse Control	Pulse Cycling	Multi-Polar	Er:YAG	Nd:YAG	Nd:YAG
Fluence/Power	Up to 25J/cm <sup>2</sup>	Up to 60J/cm <sup>2</sup>	Up to 50W	Up to 1.4J	Up to 350J/cm <sup>2</sup>	Up to 0.8J/cm <sup>2</sup>
Pulse Width	10-100ms	Up to 6 sec		1-2ms	10-30ms	10nsec
Repetition Rate	Up to 0.66 Hz			Up to 3 Hz smooth	Up to 1 Hz smooth/long	Up to 3 Hz smooth
Spot Size	6.4cm <sup>2</sup> (16mmx 40mm) 3.4cm <sup>2</sup> (12mmx 28mm) 1.5cm <sup>2</sup> (10mmx 15mm)	6.4cm <sup>2</sup> (16mm x 40mm) 3.4cm <sup>2</sup> (12mm x 28mm)		9x9mm 7x7mm	3mm 6mm	2mm 4mm 6mm
Light Source	Xenon Flash Lamp	Halogen			Xenon Flash Lamp	
Cooling	Water Cooling System, Contact cooling tip			Water Cooling System	Water Cooling System	Water Cooling System
Interface	10.2" color touch screen					
Power supply	110-240 VAC 50/60 Hz					
Dimensions	51.8 x 43 x 106 (with trolley)/44(without trolley)					
Weight	63 Kg total (main unit 36 Kg + trolley 27 Kg)					

# ABOUT SHARPLIGHT

SharpLight Technologies Ltd. designs and manufactures high end, non-invasive aesthetic medical solutions. The company has also founded leading aesthetic chains such as the American Laser Group (ALG). This unique combination positions it as an expert in the field- with a deep understanding of the needs of both medical aesthetic practitioners and their patients.

With in-house R&D capabilities, SharpLight continuously develops and fine tunes technologies that drive the industry forward. The company's proprietary Dynamic Pulse Control™ (DPC), DPC Flow and VermaDerm™ technologies have redefined treatment effectiveness, comfort and speed.

SharpLight has created state-of-the-art multi-technology workstations that house DPC, Laser, RF and VermaDerm solutions for treatment of a broad range of aesthetic applications such as facial and body contouring, hair and tattoo removal and more.

Driven by a medical aesthetic physician centered approach, SharpLight is an active partner in the success of its customers.

For more information visit **SharpLightTech.com**



**SHARPLIGHT™**

SharpLight Technologies Ltd. 33 Lazarov St. Rishon Le Zion 7565435, Israel  
T: +972.3.961.1969 | F: +972.3.952.8890 | E: info@sharplighttech.com