

**Alma**  
**Harmony**  
*Spectrum of solutions*

# HARMONY XL PRO SPECTRUM OF SOLUTIONS

When everything works together perfectly,  
that's Harmony.

**Alma**  
Lasers®

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# ABOUT ALMA

- Alma Lasers is a global innovator of laser, light-based, radiofrequency and ultrasound technologies for the aesthetic and surgical markets.
- We enable practitioners to offer safe and effective procedures while allowing patients to benefit from state-of-the-art, clinically proven solutions and treatments.
- R&D and manufacturing facilities in three continents
- 7 product families, 34 systems and more than 100 indications
- Install-base of over 16,000 systems
- More than 80 distributors around the world

# ABOUT ALMA

**Alma lasers has consistently delivered the most innovative technologies to market, and has been the leader in an industry that is full of “me-too” devices.**

RESEARCH & DEVELOPMENT

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CREATIVITY & EXPERTISE

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EFFICIENT PRODUCTION

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COMMITMENT TO DEVELOP SUSTAINABLE,  
SUCCESSFUL PRACTICES

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HIGH QUALITY, HIGH PERFORMANCE

The background features a soft, light-colored gradient with several large, semi-transparent circular lens flares in shades of pink, orange, and yellow. Scattered throughout the scene are numerous small, multi-colored geometric shapes, primarily cubes and rectangular prisms, in colors like teal, blue, orange, and yellow, giving the impression of falling confetti or digital particles.

When technology works  
together perfectly,  
**that's Harmony.**

- COMBINED TECHNOLOGIES FOR BETTER CLINICAL RESULTS
- A COMPLETE, ALL-INCLUSIVE SOLUTION
- SAFE AND EFFECTIVE FOR ALL
- MULTI-GENERATIONAL



# LASER, DYE PL, NIR & IMPACT TECHNOLOGIES

▼ ClearLift

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▼ ClearSkin

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▼ Impact

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▼ iPixel Er:YAG

▼ Speed AFT

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▼ Cooled LP Nd: Yag

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▼ ClearLift Roller

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▼ Dye-VL

▼ NIR

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▼ Dye-SR

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▼ Dye Fungus

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▼ High Power UVB

## 6 MAJOR INDICATIONS

Alma Harmony offers powerful treatment solutions for six major indications:

 SKIN REMODELING & LIFTING

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 VASCULAR LESIONS

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 PIGMENTED LESIONS

 TONE & TEXTURE

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 HAIR REMOVAL

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 ACNE



# *SKIN REMODELING & LIFTING*

CLEARLIFT WITH FRACTIONAL  
NON-ABLATIVE Q-SWITCHED ND:  
YAG 1064 LASER

NEAR INFRARED TECHNOLOGY

COMBINATION OF BOTH FOR  
ENHANCED RESULTS



## SKIN REMODELING & LIFTING- CLEAR LIFT

ClearLift™ with fractional  
Q-switched Nd: YAG laser

**The first fractional non-ablative  
Q-switched laser**

high intensity q-switched laser  
a 'lunchtime procedure'

**virtually painless**

**no downtime**

no need for pre-treatment anesthetic  
safe for all skin types

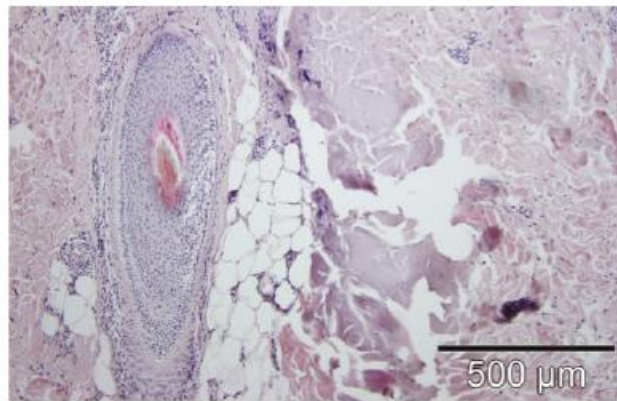
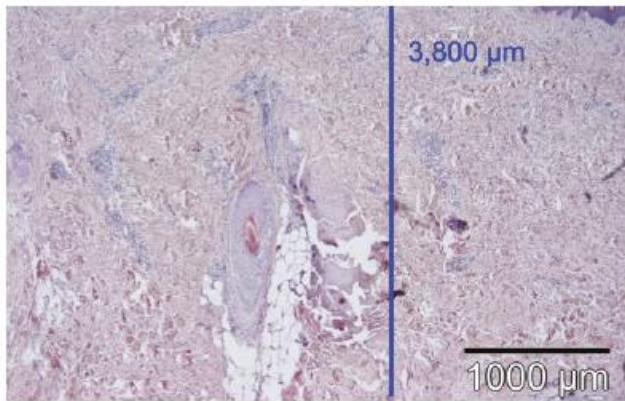


# SKIN REMODELING & LIFTING- CLEAR LIFT

## HISTOLOGY

*"Based on my histology analysis, it is evident that the epidermis is in large proportions intact but there is clearly visible damage in the sun damaged mid-upper dermis associated with collagen disruption and disintegration. The ClearLift Q-Switched fractional laser is a very promising modality that enables non-ablative collagen injury and remodeling underneath a mostly intact epidermis."*

*Prof. Dr. Uwe Paasch, Leipzig, Germany*



Disintegration of sun damaged skin next to appendages, up to 3,800 microns deep

*Courtesy of Uwe Paasch, M.D., Ph.D. Professor Division of Lasers and Aesthetics, University of Leipzig, Germany*

## SKIN REMODELING & LIFTING - LATEST INNOVATIONS

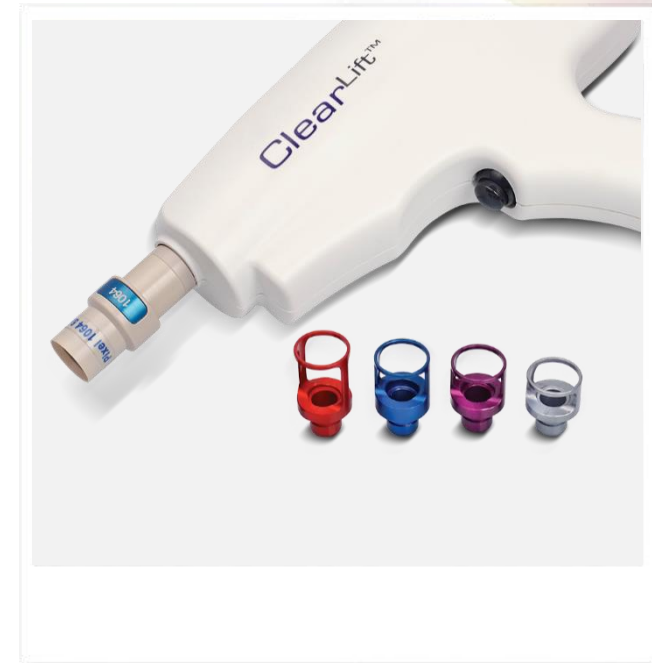
### **Alma ClearLift 4D** - control the **precise depth of treatment**

*Pixel QSW 1064nm laser variable tips*

**Superficial tips** - designed for thinner, more delicate areas of the skin and for treating fine lines, skin tone and laxity

**Deeper tips** - Target wrinkles and thicker skin

Variable tip depths can also be used for **combination work** on the same area to achieve optimal results.



## SKIN REMODELING & LIFTING - LATEST INNOVATIONS

**ClearLift Roller** - High-speed, fractional **non-ablative Q-switched laser** specially designed for high-speed Treatment.



*Courtesy of  
KeeLee Tan, MD.  
Rejuvenate Clinic,  
Perth, Western  
Australia*

1 week after  
1 treatments



# SKIN REMODELING & LIFTING - LATEST INNOVATIONS



Courtesy of Dr. Kaliterna Dinko, Croatia



Dr. Joseph Lepselter, Clinical Department, December 2013

## ▶ SKIN REMODELING & LIFTING - *NIR*

High power light source (Peak power at 1300 nm for deep penetration) Separate applicators for face and body 2 mode of operations:

- ▶ ***Stationary***
- ▶ ***In-motion technique for gradual heat build-up and comfortable treatment***
- ▶ Safe and effective sub-dermal heating
- ▶ Causes Micro thermal injury to the tissue
- ▶ Immediate skin tightening & glow
- ▶ Restructuring of the skin's architecture
- ▶ Bolster the skin against future aging



# VASCULAR LESIONS


**GREATER PRECISION FOR CLEAR-  
CUT RESULTS**

Dye-VL Technology  
Long-pulsed Nd: YAG laser  
Combination of both for  
optimal results







## DYE- VL

-  An effective treatment like the dye laser, with the safety, versatility and affordability of pulsed light.


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-  Wavelength range of 500-600 nm


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-  Optimal absorption

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-  Selective photothermolysis

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-  Excellent clinical results



## VASCULAR LESIONS - *DYE-VL*

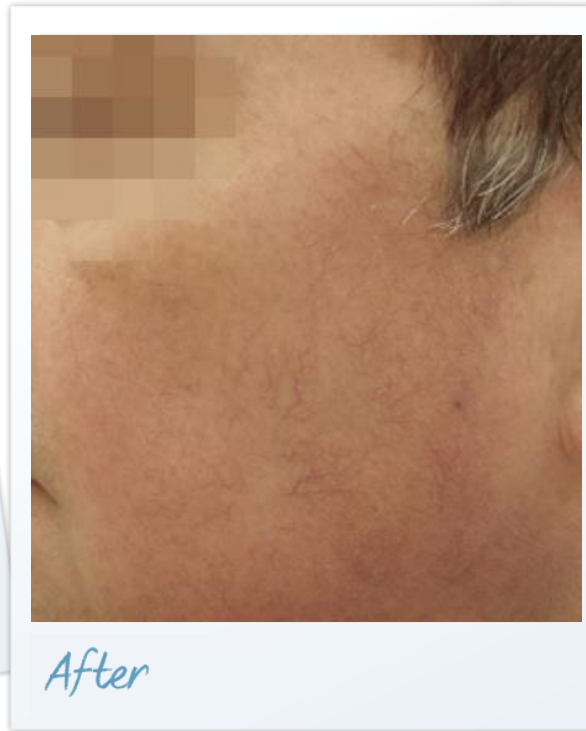
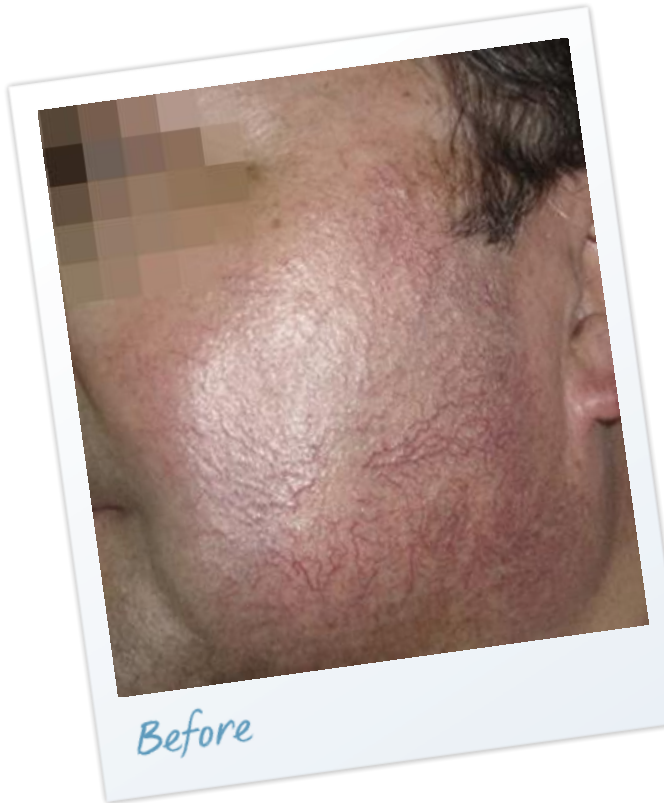


Courtesy of Dr. Dinko Kaliterna, 2013



Courtesy of Dr. Tania Meneghel, Sao Paulo, Brazil

VASCULAR LESIONS - *DYE-VL*



Courtesy of:  
Kaliterna Dinko, MD,  
Croatia

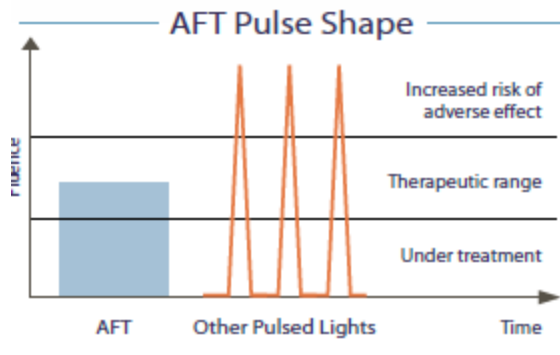
## AFT - ADVANCED FLUORESCENCE TECHNOLOGY

An advanced form of Intense Pulsed Light technology (IPL).

Converts unused UV Light to the optimal spectrum

Equal distribution fluence

Simultaneous contact cooling



- Minimizes the risk of adverse effects
- More efficient energy usage per pulse
- Increased safety
- Extended applicator lifetime
- Enhanced clinical results
- Reliable, long-term results

## ▶ Cooled LP Nd:YAG

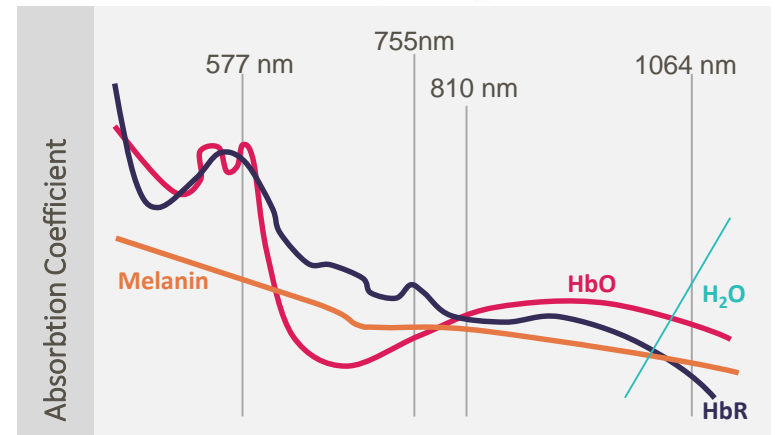
### 1064 NM LASER FOR GREATER SKIN PENETRATION -

Relatively low absorption by melanin while higher absorption by oxy-hemoglobin

Long pulse duration effectively treats deep veins while avoiding superficial damage

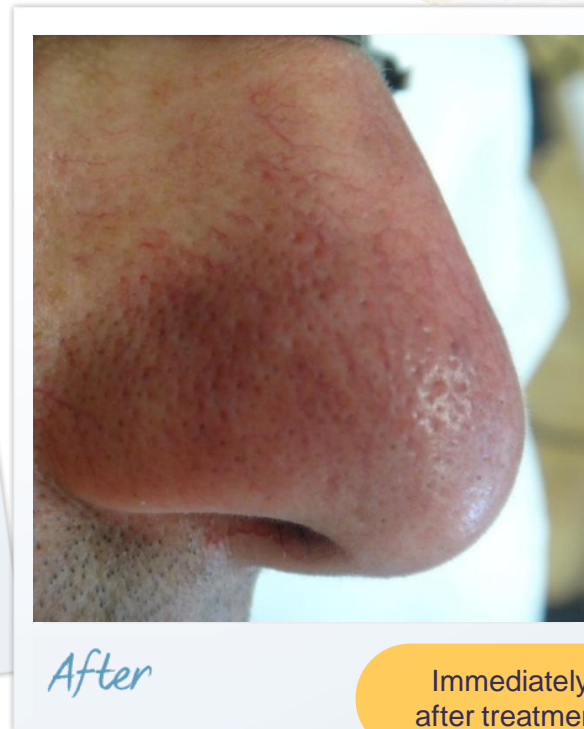
Open-angle view with aiming beam improves visualization of vessels under the skin

Cooled tip to preserve the epidermis and reduce pain





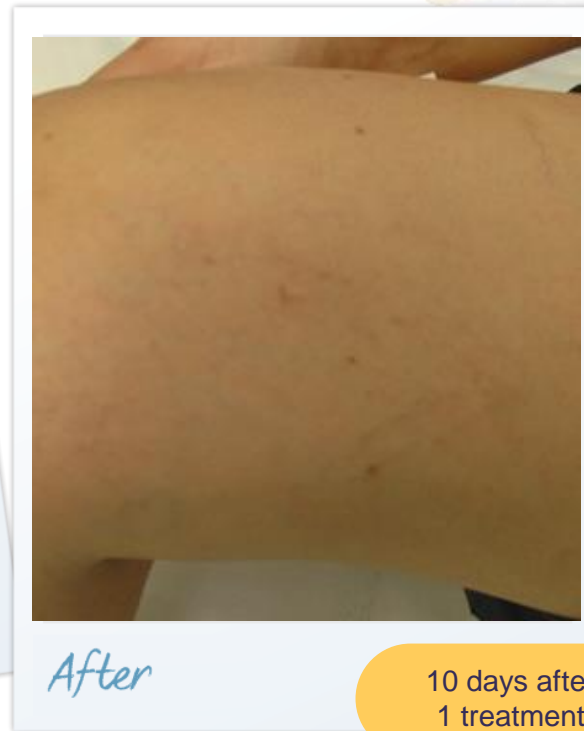
## Cooled LP Nd:YAG



Immediately  
after treatment

Clinical Department, June 2013

## ▶ Cooled LP Nd:YAG



Clinical Department, December 2009



# *PIGMENTED LESIONS*

**All-layer targeting of  
hyperpigmentation including  
for dark skin**

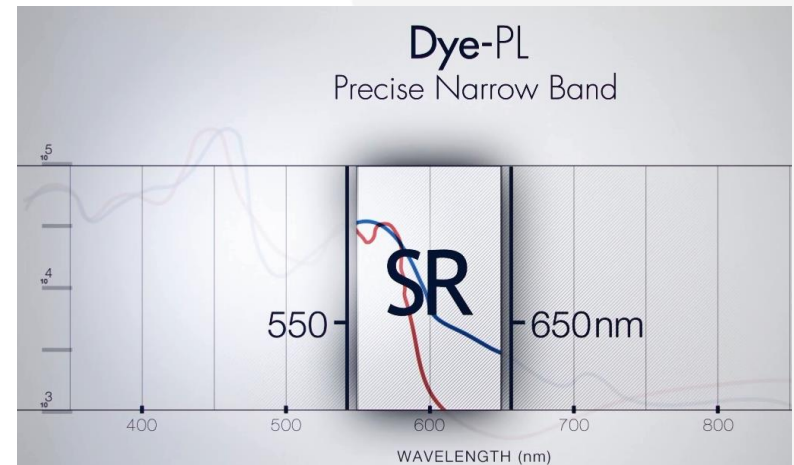
Dye-SR technology  
Q-Switched Nd: YAG laser,  
Combining Impact  
technology for significantly  
enhanced results.





## Dye-SR

- Dye-PL technology narrow the spectrum for greater precision
- AFT uses band pass filter within the limited range of 550-650 nm
- Optimal absorption at the melanin chromophore for selective photothermolysis
- Precise spectrum for enhanced treatment efficacy



## High Power Q-Switched Nd: *YAG* Laser

- Treats various degrees of depths of pigmented Lesions
- KTP adaptor doubles the laser frequency to 532nm for superficial pigmented lesions
- Controlled dermal wounds
- Keeping epidermis intact
- 10 mm tip size, especially for darker skin

*"Alma ClearLift, as the first fractional Q-Switched laser, is highly effective for treating various degrees and depths of pigmented lesions resulting in lighter and unblemished skin."*

Michael H. Gold, M.D., Medical  
Director, Gold Skin Care  
Center, Nashville TN, USA



# *TONE & TEXTURE*


**Smooth, balanced skin,  
with minimal downtime**

iPixel Er:YAG 2940  
Impact






## iPixel Er:YAG 2940

-  Highly effective fractional ablative laser skin resurfacing


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-  Deeper penetration


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-  Improves skin tone, elasticity and texture

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-  Increase moisture content


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-  Reduces superficial pigmentation & pore size


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-  Faster healing and tissue regeneration

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-  Leaves the surrounding tissue intact

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-  Enhanced results



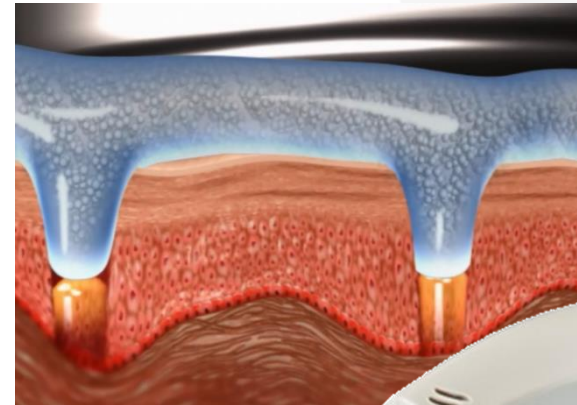
## IMPACT Technology

MAXIMIZES THE DEPTH OF  
PENETRATION AND DELIVERY  
EFFICACY OF ACTIVE INGREDIENTS

Acoustic pressure produces intermittently  
positive and negative pressure

Creates a “push and pull” effect within the  
micro-channels

Releases the buildup of intra-cellular fluid  
and ***delivers the active ingredients to the  
targeted tissue depth for enhanced results***





## iPixel Er:YAG 2940



*Before*

Courtesy of:  
Dr. Zimmermen, Las Vegas,  
Navada, USA



*After*

# *HAIR REMOVAL*

**Virtually painless hair  
removal for all skin  
types, all year round**

Speed AFT





## SPEED AFT

- ▶ Wavelength range of 700-900
- ▶ Based on AFT and SHR
- ▶ Large spot size applicator- 6.4 vs. 5
- ▶ Strong Contact Cooling
- ▶ Treat quickly larger areas
- ▶ Perform more treatment sessions in less time
- ▶ Facial tip that allows treatment to hard to reach areas







## SPEED AFT



*Before*

Courtesy of  
Alma Lasers clinical Department



*After*

# ACNE

**Defeating active  
acne with lasting  
results**

ClearSkin



## Clear Skin

- Addresses all forms of acne vulgaris
- Diminishing the appearance of acne scars
- Suitable for all skin types
- No side effects
- Smoother skin complexion

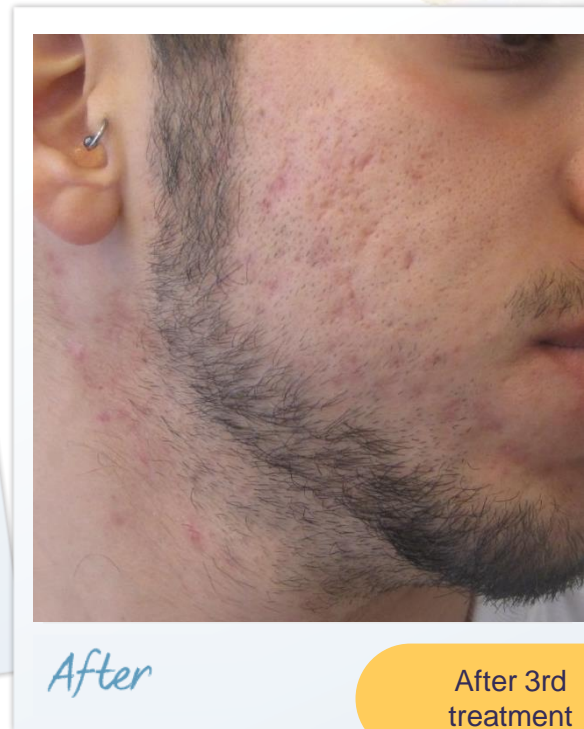
*Treating patients with this unique ER:Glass 1540 Laser supported with Vacuum and cooling, for the treatment of acne vulgaris, was **effective showing significant improvements with no side effects.***

Courtesy of Prof. Lapidoth Moshe & Dr. Politi Yael,  
Herzelia Skin and Laser Center.





## BEFORE & AFTER



Courtesy of Prof. Moshe Lapidoth & Dr. Yael Politi



## BEFORE & AFTER



Before



After

*“Treating patients with the unique Er:Glass 1540 laser supported with vacuum and cooling, for the treatment of acne vulgaris, was effective - showing significant improvements with no side effects.”*

*Prof. Moshe Lapidot, Dermatologist Head of the Laser Unit, Dermatology Dep., Rabin Medical Center, Petach Tikva, Israel*

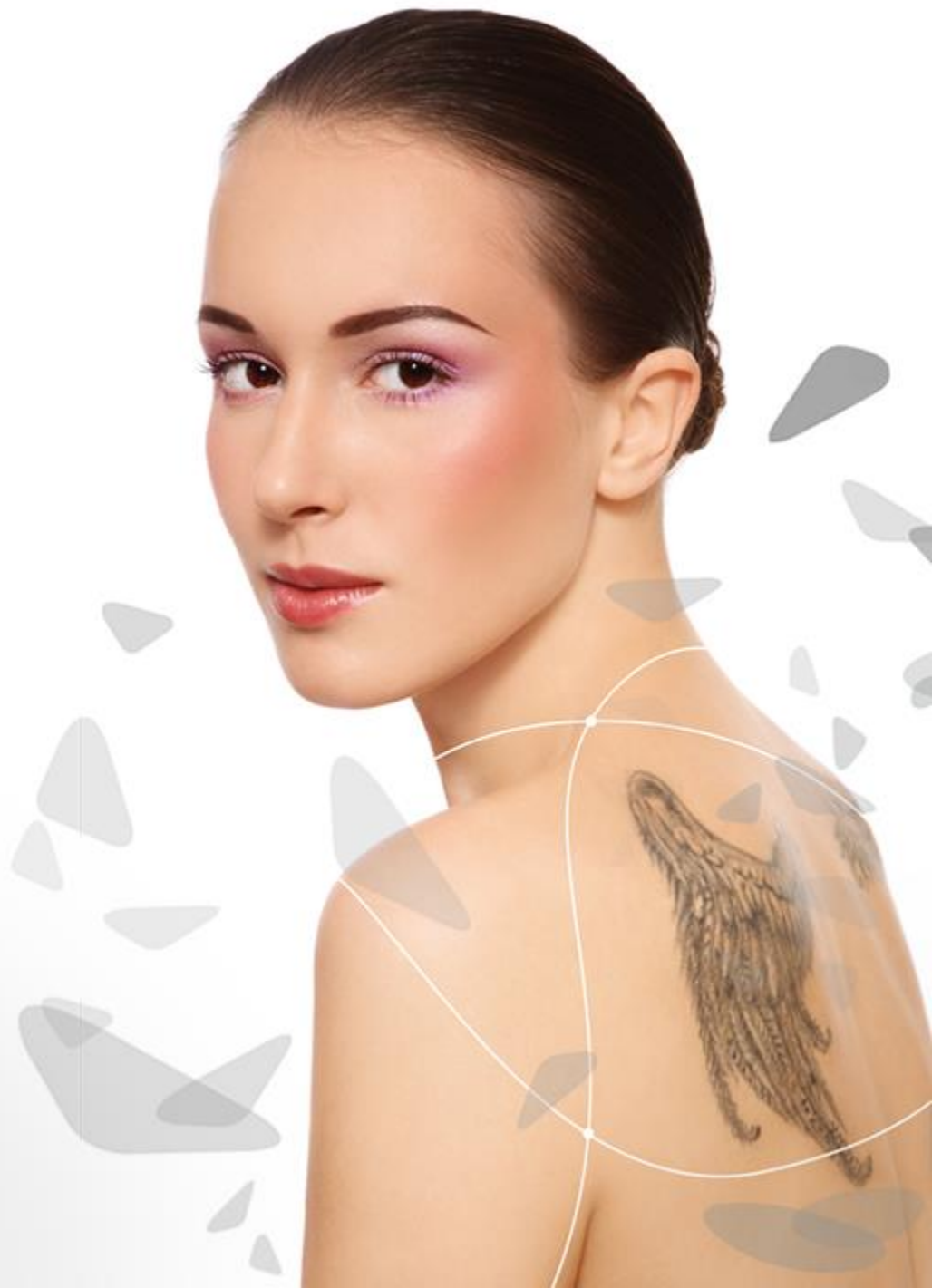


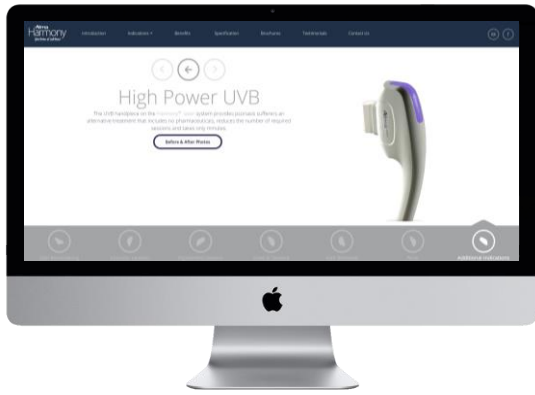
# *ADDITIONAL INDICATIONS*

Psoriasis

Tattoo

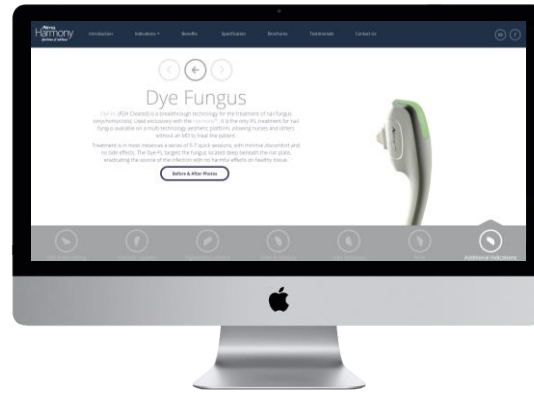
Nail Fungus





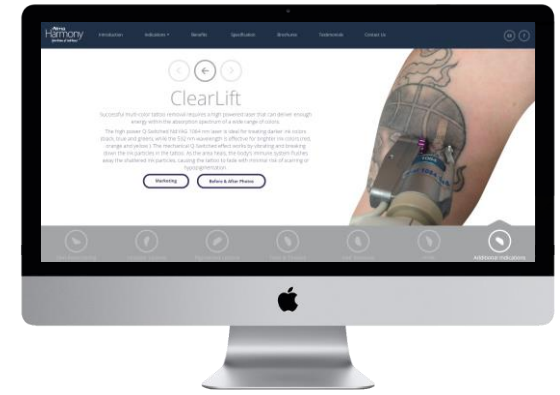
# Psoriasis

Psoriasis is a chronic, life-long illness and most people need ongoing treatments and visits to the doctor. In severe cases, people may need to be hospitalized.



# Fungus

Nail fungus, (Onychomycosis) is a difficult to treat fungal infection. With current therapies consisting of medications and creams, laser and IPL solutions from Alma Lasers opens up new possibilities and enhanced results with a selection of clinically proven solutions.



# Tattoo

Tattoo Removal  
Now for the first time - Tattoo Removal with Fractional Q-Switch.  
A high powered laser that can deliver energy within the absorption spectrum of a wide range of colors.

# COMBINATION OF TECHNOLOGIES AND TREATMENT APPROACHES



## PRO COMBINATION THERAPIES

 Skin Rejuvenation *iPixel Er:YAG 2940 + QSW 1064 Clearlift*

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 Vascular Lesions *Dye VL 500-600 + Nd:YAG 1064nm*

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 Pigmented Lesions *Dye SR 550-650 + QSW 1064/532 KTP*

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 Acne *ClearSkin + SAcne*

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 iTED *iPixel Erbium + Impact*

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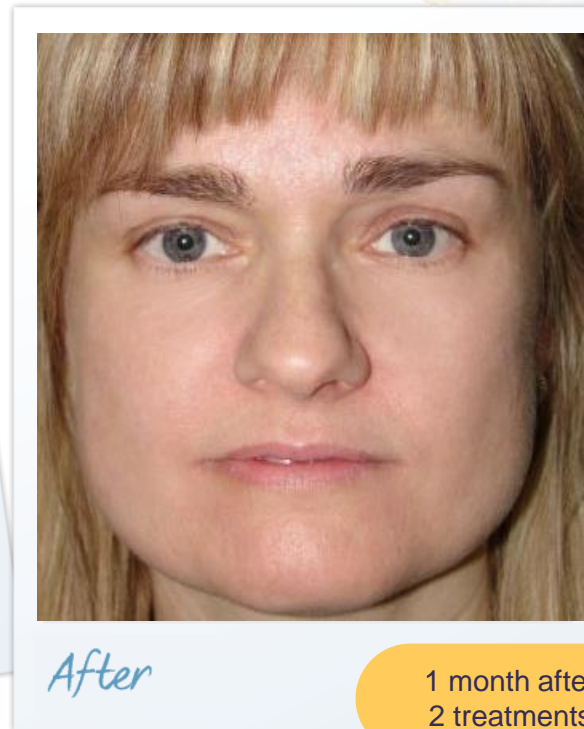
 Laxity *NIR + ClearLift*

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 Fungus  
*ClearChoise* *DYE Fungus and/or*

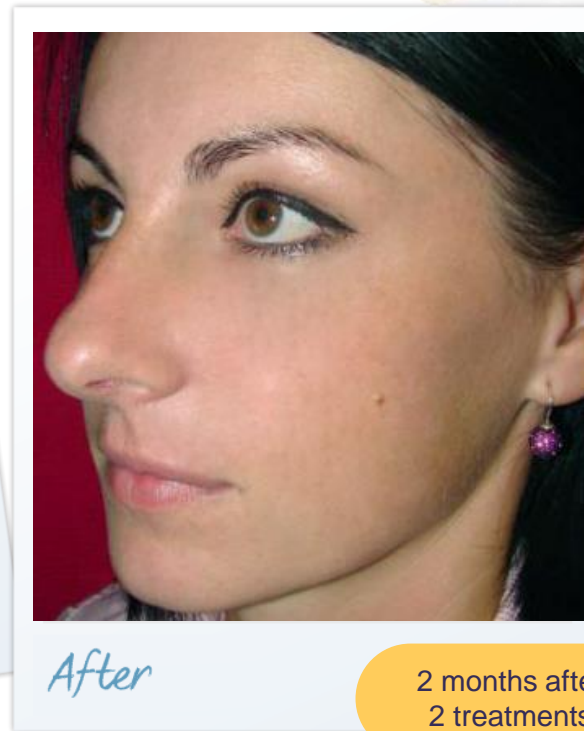
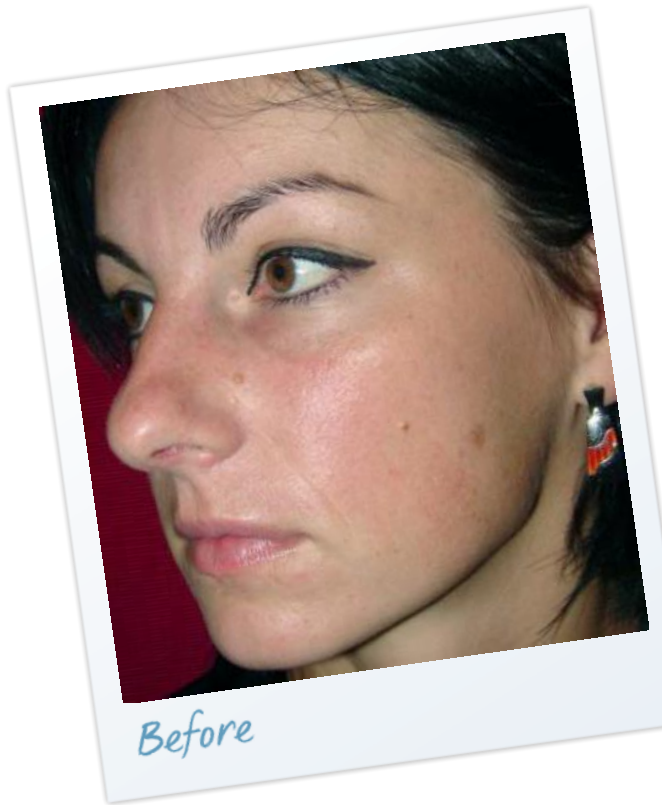
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# Clearlift & Dye-VL



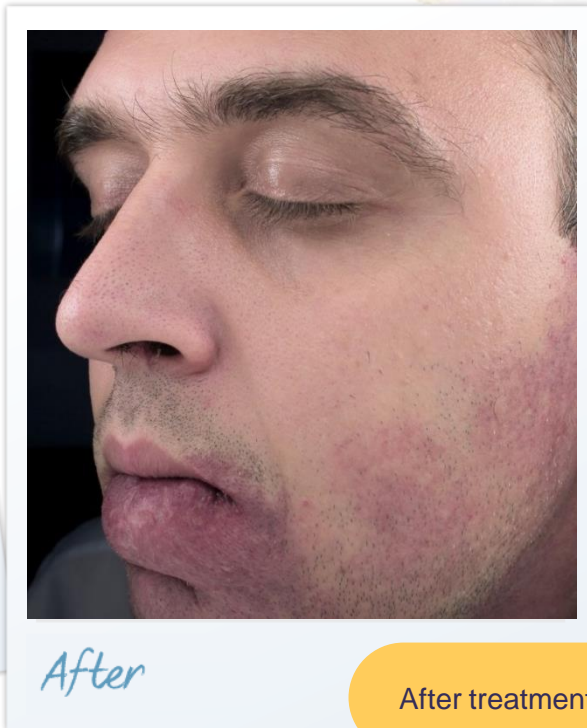
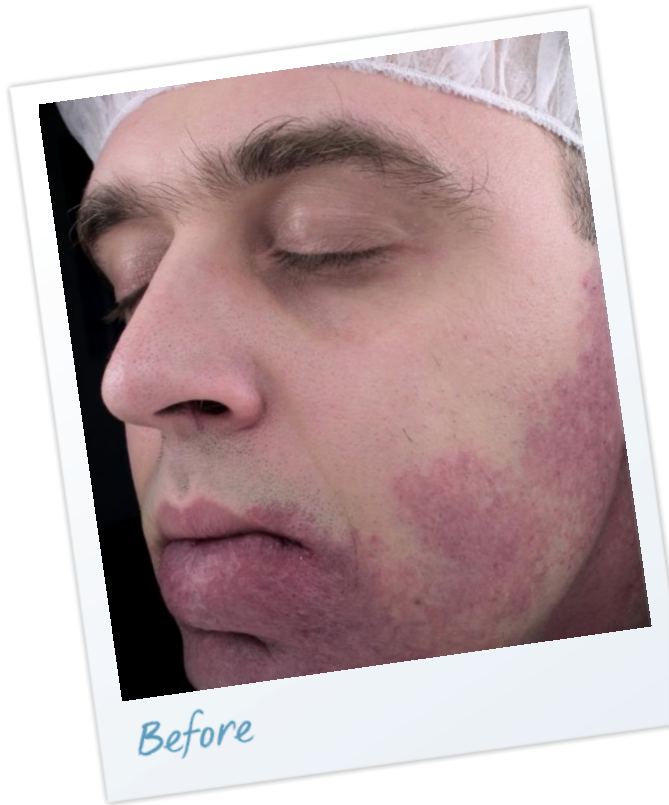
Courtesy of Prof. Mario A.Trelles, MD, PhD, Spain

## Clearlift & Dye-VL



Courtesy of Prof. Mario A.Trelles, MD, PhD, Spain

# Fractional QSW & Dye-VL



Courtesy of Dr. Dinko Kaliterna, 2013

Port Wine Stain

# Fractional QSW & Dye-VL



Courtesy of Dr. Dinko Kaliterna, 2013

Port Wine Stain



# Fractional QSW & Dye-VL & iPixel Er:YAG



Courtesy of Dr. Dinko Kaliterna, 2013

Port Wine Stain



## HARMONY XL Pro - Platform

- Multi-application platform
- Clinically Proven in extensive clinical studies
- Extendible and upgradeable
- Over 65 FDA-cleared indications
- Plug & play software
- No disposables



# TECHNICAL SPECS

## System Dimensions (W x D x H)

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44 x 54 x 125 cm

17.3 x 21.26 x 49.2 in

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## Weights

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Total 60kg / 133lbs

Upper Unit 15kg / 33lbs

Lower Unit 45kg / 100lbs

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Display Touch Screen Color Display

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## TESTIMONIALS



*Prof. Dr. Uwe Paasch*

Leipzig, Germany

*"Based on my histology analysis, it is evident that the epidermis is in large proportions intact but there is clearly visible damage in the sun damaged mid-upper dermis associated with collagen disruption and disintegration. The ClearLift Q-Switched fractional laser is a very promising modality that enables non-ablative collagen injury and remodeling underneath a mostly intact epidermis."*



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## TESTIMONIALS



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Rabin Medical Center, Petach Tikva , Israel

*"Treating patients with the unique Er:Glass 1540 laser supported with vacuum and cooling, for the treatment of acne vulgaris, was effective - showing significant improvements with no side effects."*



*Dr. Dinko Kaliterna, Dermatologist*

Poliklinika Poliderma, Dolac 1, Zagreb, Croatia Center

*"ClearLift has become my favorite treatment for many different indications: melasma, acne, rosacea, skin remodeling, stretch marks, tattoo removal. There is no such treatment in the market, making ClearLift distinctly unique. Today I can't imagine work in my clinic without it."*

## Upgradeable and Expandable Platform

<i>Module</i>	<i>Applications</i>	<i>Technology</i>	<i>Wavelength (nm)</i>
SHR Pro 5	Super hair removal	In-motion™ AFT	700 – 950
Acne Pro	Acne clearance	AFT	420 – 950
SVL	Superficial vascular lesions	AFT	515 – 950
SVL Cooled	Superficial vascular lesions	AFT	515 – 950
VP	Vascular and pigmented lesions	AFT	540 – 950
VP Cooled	Vascular and pigmented lesions	AFT	540 – 950
SR	Skin rejuvenation	AFT	570 – 950
SR Cooled	Skin rejuvenation	AFT	570 – 950
SST	Skin tightening	AFT	780 – 950
Dye-Fungus	nail fungus	AFT	500 – 600

# Upgradeable and Expandable Platform

<i>Module</i>	<i>Applications</i>	<i>Technology</i>	<i>Wavelength (nm)</i>
High Power Laser QS1064/ 532 nm	Tattoo removal	Q-Switched Nd:YAG 532	1064 / 532
High Power UV	Pigment restoration	Pulsed UV	300 – 380
LED	Various skin conditions	LED	Yellow
NIR	Muscles & joints pain relief	Pulsed NIR	NIR
Alex 755 nm	Hair removal & pigmented lesions	Alexandrite	755
Laser 1320 nm	Wrinkles and acne scars	Nd:YAG	Nd:YAG 1320
ClearSkin	Acne Vulgaris	Er:YAG	1540
Speed AFT	Hair Removal	AFT	700-900



# Over 65 FDA Cleared Indications

Acne vulgaris  
Actinic cheilitis  
Atrophic acne scars  
Angiomas and spider angiomas  
Atopic dermatitis  
Back acne  
Becker's nevi  
Café-au-lait macules  
Cavernous hemangiomas  
Cherry hemangiomas  
Chloasma  
Cutaneous lesions  
Debulking benign tumors  
Debulking cysts  
Deep and superficial telangiectasias  
Dyschromia  
Elevating and/or maintaining tissue temperature  
Ephelides (freckles)  
Epidermal nevi  
Erythema of rosacea  
Facial, truncal and leg telangiectasias  
Fine lines and wrinkles  
Hair removal on all skin types, including tanned skin

Hemangiomas  
Hyperpigmentation  
Increased blood flow, relaxation of muscle and relief of pain  
Keloids  
Keratoses  
Leg veins  
Lentiginos (senile and solar)  
Lentigos  
Leukoderma, including vitiligo  
Melasma  
Nevi  
Nevus of Ota  
Nevus spilus  
Onychomycosis  
Perioral wrinkles  
Periorbital wrinkles  
Permanent hair reduction  
Pigmented lesions  
Poikiloderma of Civatte  
Plaques  
Pseudofolliculitis barbae  
Psoriasis treatment  
Port wine stains  
Reduction in red pigmentation in

hypertrophic and keloid scars  
Reticular veins  
Rosacea  
Scars  
Seborrheic dermatitis  
Seborrheic keratoses  
Skin resurfacing  
Skin tags  
Solar lentigos  
Spider hemangiomas  
Spider nevi  
Spider veins  
Striae  
Superficial skin lesions  
Surgical incision/excision, vaporization, ablation and coagulation of soft tissue  
Tattoo removal: black, blue, green  
Tattoo removal: light blue, yellow, red  
Telangiectasias  
Vascular lesions  
Venous lake  
Venous malformation  
Verrucae  
Warts

Alma  
Harmony  
*Spectrum of solutions*

THANK YOU!

Alma  
Lasers™