

HARMONY[®]XL

Multi-Technology Platform for Medical Aesthetics

System Brochure

Skin Rejuvenation

Hair Removal

Pigmented Lesions

Nail Fungus

Scars

Melasma

And over 65 other FDA cleared indications



HARMONY^{XL}

Harmony^{XL} is the world's most sold multi-application platform for aesthetic treatments. Offering 13 distinct laser, light and ultrasound technologies and 28 different handpiece modules, Harmony^{XL} is the most comprehensive aesthetic platform for dermatologists and aesthetic practitioners available today.

Upgradeable and Expandable Platform

The modular design of the Harmony^{XL} provides multiple distinct aesthetic solutions all built into one compact unit. With Harmony^{XL}, purchase only the handpieces you require and add new technologies when you wish to offer your patients a wider variety of treatments.

Harmony^{XL} gives you the flexibility to treat the widest variety of patient-requested procedures using its array of different handpieces. Choose your preferred handpiece, or follow our preset treatment protocols which use multiple handpieces for optimal treatment results for today's most in-demand procedures.



NEW

iPixel^{Er}



ClearLift - Fractional Non-Ablative 1064nm Q-Switched



Alex 755



Nd:YAG for Fongus treatment

NEW

Lasers

The Harmony^{XL} supports 4 distinct laser types including Erbium, Nd:YAG, Q-Switched Nd:YAG and the Alexandrite.

Er:YAG 2940 – The family of Erbium lasers includes the powerful iPixel module, a 7X1 pixel scanner that allows for fast and high-powered fractional ablation for skin rejuvenation.

Nd:YAG 1064 & 1320 – Available in both cooled and non-cooled modules, the long-pulsed Nd:YAG laser is an exceptionally powerful tool for the treatment of deep vascular pigmentation and nail fungus (onychomycosis).

Q-Switched Nd:YAG 1064/532 – Available in High Power, the ClearLift Q-Switched laser is for the non-invasive removal of various colored tattoos, as well as deep and superficial benign pigmented lesions. **When used with the 5X5 pixel tip, Harmony^{XL} offers the world's only fractional, non-ablative and virtually painless solution for collagen remodeling.**

Alex 755 – A laser module for hair reduction and benign pigmented lesions.

Module	Applications	PW / Mode	Spot Size
ClearLift 1064 / 532nm KTP	Tattoo removal	20 nsec	1, 2, 3, 4, 5, 6 mm
	Deep pigmented lesions		5 x 5 Pixel
Nd:YAG / HP Nd:YAG 1064nm	Vascular lesions	10,12, 15, 45, 60 msec	2, 6, 10 mm
	Leg veins		
	Hair removal		
Nd:YAG/ Cooled Nd:YAG 1320nm	Nail fungus	30, 40, 50 msec	6 mm, 5X5 Pixel
	Wrinkles and acne scars		
Er:YAG / Er:YAG Pixel Pro (2940nm)	Fractional ablative skin resurfacing	Short, Medium, Long	7 x 7, 9 X 9 Pixels
			1, 4 mm
iPixel ^{Er} 2940nm			7 x 1 Pixels (roller)
Alex 755nm *	Hair removal	NA	5, 8 mm

* Not available in EU and Canada



Ultrasound and Light

IMPACT

IMPACT is an ultrasound sonotrode that emits acoustic waves and air pressure. IMPACT was developed specifically for the iTED procedure, a novel method of trans-epidermal delivery that more effectively treats stretch marks, melasma, scars and skin rejuvenation by advancing active agents to the deeper layers of the skin.

Near Infrared

The NIR module emits near infrared energy for the temporary relief and relaxation of minor muscle and joint pain. The light of the NIR has been found effective as a temporary solution for skin tightening. The NIR is available for both the body and face, and can also be used with other Alma Lasers systems.

LED

Alma Lasers LED module incorporates an array of yellow light emitting diodes which have multiple clinical benefits.

Pulsed UV

The UV module has an ultraviolet high-power targeted phototherapy module which uses spectral irradiance to restore pigment while avoiding exposure to healthy skin.

Module	Applications	Technology	Wavelength [nm]	Pulse Width [msec]	Spot Size [cm ²]	Pulse Repetition Rate [Hz]	Energy Density [J/cm ²]
High Power UV	Pigment restoration	Pulsed UV	300 – 380	30, 40, 50	6.4	1 / 2	2,000 – 5,000 mJ/cm ²
NIR	Muscles and joints pain relief	Pulsed NIR	NIR	N/A	18 6.4	N/A	5 – 25
LED	Various skin conditions	LED	Yellow	Pulsed / CW	N/A	N/A	N/A
IMPACT	Trans-epidermal delivery	Ultrasound Sonotrode	NA	NA	NA	NA	NA



AFT Acne



AFT SHR



Dye-VL



UV

Advanced Fluorescent Technology

Alma Lasers AFT, an advanced IPL technology, obtains better clinical results, produces only mild discomfort and has a longer product lifespan than traditional IPL devices with its high-powered filter that more efficiently disperses the energy outflow.

The Harmony^{XL} also supports the new dual-filter Dye-PL series of precise treatment modules. The Dye-VL for vascular lesions has a 500-600nm wavelength, while the Dye-SR has a 550-650nm wavelength for skin rejuvenation. By cutting out the higher wavelengths, Dye-PL offers a highly efficacious treatment while minimizing the risk of potential side effects.

AFT Pulse Shape

AFT technology enables continuous square-shaped pulsing with moderate peak power throughout the entire pulse, for efficacious, safe results. The fluence of an AFT pulse is equally distributed, delivering optimal energy within a short, continuous pulse duration.

Module	Applications	Wavelength [nm]	Pulse Width [msec]	Spot Size [cm ²]	Pulse Repetition Rate [Hz]	Energy Density [J/cm ²]
Acne Pro	Acne clearance	420 – 950	S-Acne: 1, 3, 30 sec. Acne: 30,40,50	6.4	S-Acne: 10 Hz Acne: 1 / 2	S-Acne: 0.3 – 1.2 J/cm ² Acne: 5 – 25
Dye-VL Pro	Vascular and pigmented lesions	500 – 600	Dye-VL: 10, 12, 15 Dye-SVL: 30 sec.	3	Dye-VL: 1 Dye-SVL: 3	Dye-VL: Up to 15 Dye-SVL: 1 – 4
VL/PL	Vascular and pigmented lesions	540 – 950	10, 12, 15	3	2 / 3	5 – 30
Dye-SR Pro	Vascular and pigmented lesions	550 – 650	Dye-SR: 10, 12, 15 Dye-SSR: 30 sec.	3	Dye-SR: 3 Dye-SSR: 1	Dye-SR: 1 – 4 Dye-SSR: Up to 15
SHR Pro	Super hair removal	NIR	SHR: 8 HR: 30,40,50	5	SHR: 3 HR: 1 / 2	SHR: 1 – 7 HR: 5 – 20
SST	Scar revision and treatment of striae	NIR	4 msec	3	5	1 – 3.5



Multi-Platform Capabilities

With the Harmony^{XL}, you can treat nearly every skin condition, many of which with an option of different handpieces and technologies - affording you absolute control over the treatment parameters that will work best for each patient.

Laser360^{iQ}

In certain instances, combining multiple technologies during treatment will lead to significantly enhanced treatment results. Use our preset Laser360^{iQ} protocol that combines two lasers, AFT and NIR for the most effective and long-lasting skin rejuvenation.

ClearChoice

The ClearChoice treatment for Onychomycosis (nail fungus) has been found to be particularly effective when combining the Q-Switched 1064/532 with an Nd:YAG.

iTED

iTED is a minimally invasive skin barrier breakthrough solution that offers unprecedented potential for skin repair and aesthetic enhancement. It is the synergy of three distinct technologies, brought together to provide patients with a quick, easy and virtually pain-free answer to their most difficult skin problems.

iTED begins with microperforation of the skin using the iPixel^{Er}, followed by the application of ProfoundPixel topical compounds. The IMPACT module then emits acoustic pressure that forces the ProfoundPixel to the sub-epidermal tissue for effective skin repair and improvement.

Over 65 FDA Cleared Treatments

Acne vulgaris	Epidermal nevi	Nevus spilus	Skin tags
Actinic cheilitis	Erythema of rosacea	Onychomycosis	Solar lentigos
Atrophic acne scars	Facial, truncal and leg telangiectasias	Perioral wrinkles	Spider hemangiomas
Angiomas and spider angiomas	Fine lines and wrinkles	Periorbital wrinkles	Spider nevi
Atopic dermatitis	Hair removal on all skin types, including tanned skin	Permanent hair reduction	Spider veins
Back acne	Hemangiomas	Pigmented lesions	Striae
Becker's nevi	Hyperpigmentation	Poikiloderma of Civatte	Superficial skin lesions
Café-au-lait macules	Increased blood flow, relaxation of muscle and relief of pain	Plaques	Surgical incision/excision, vaporization, ablation and coagulation of soft tissue
Cavernous hemangiomas	Keloids	Pseudofolliculitis barbae	Tattoo removal: black, blue, green
Chloasma	Keratoses	Psoriasis treatment	Tattoo removal: light blue, yellow, red
Cutaneous lesions	Leg veins	Port wine stains	Telangiectasias
Debulking benign tumors	Lentiginos (senile and solar)	Reduction in red pigmentation in hypertrophic and keloid scars	Vascular lesions
Debulking cysts	Lentigos	Reticular veins	Venous lake
Deep and superficial telangiectasias	Leukoderma, including vitiligo	Rosacea	Venous malformation
Dyschromia	Melasma	Scars	Verrucae
Elevating and/or maintaining tissue temperature	Nevi	Seborrheic dermatitis	Warts
Ephelides (freckles)	Nevus of Ota	Seborrheic keratoses	
		Skin resurfacing	

Clinical Results



Before
AFT 420 Acne
Photos courtesy: Elizabeth VanderVeer, MD



Before
AFT 540 VP
Photos courtesy: Elizabeth VanderVeer, MD



Before
AFT 570 SR
Photos courtesy: Fernando Stengel, MD



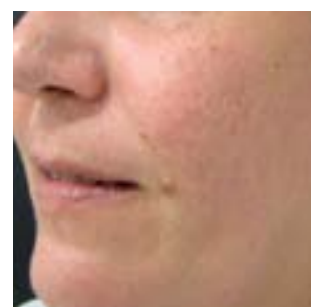
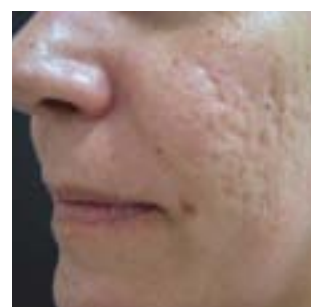
Before
SHR
Photos courtesy: Mira Volvovsky, MD



Before
Long-pulse Nd:YAG 1064
Photos courtesy: Nilda Barman MD, Salvador Abdo, MD



Before
ClearLift QS Nd:YAG 1064
Photos courtesy: Fernando Urdiales Gálvez, MD



Before
IMPACT for Acne Scars
Photos courtesy: Maria Claudia Issa, MD, PhD



Before
IMPACT for Scars
Photos courtesy: Tania Meneghel, MD, Dermatologist

Clinical Studies

The Harmony^{XL} has been the subject of numerous clinical studies, multiple peer reviewed articles and dozens of white papers dealing with the cutting edge of medical and aesthetic applications by the world's leading dermatologists.

Fractional Non-Ablative Skin Resurfacing

A study conducted in 2011 by dermatologists in Australia and Canada showed how the High-Powered Q-Switched Fractional Non-Ablative laser offers an effective, painless and comfortable procedure that doesn't require pre-treatment or post-treatment care. The treatment is very safe for all Fitzpatrick skin types (I-VI).

Nail Fungus

A white paper discusses how the use of a dual-layer treatment including the ClearLift Q-Switched 1064/532 KTP and the Nd:YAG 1064 on the Harmony^{XL} platform are a safe and effective modality for the treatment of onychomycosis.

Advanced Flourecense Technology

A peer reviewed study comparing IPL to Alma Lasers AFT, a unique type of IPL, found that the two technologies appear to provide similar efficacy and safety in the nonablative treatment of telangiectasia, erythema, lentigines, dyspigmentation, and reduced skin quality secondary to photoaging.

iTED

A multi-site clinical study using iTED's combined fractional ablation and IMPACT sonotrode technology has proven itself as a highly effective treatment for stretch marks, scars and skin whitening and melasma for all parts of the body.

SHR

A white paper demonstrated how SHR hair removal with AFT on the Harmony^{XL} platform is an effective method of hair removal that results in less discomfort to the patient. SHR is also mentioned as a safe method of hair removal for all skin types.

Listen to the Experts



Irv Wiesman, MD

Board Certified Plastic Surgeon, Chicago, IL

"The Harmony^{XL} has been an invaluable addition to my practice. Its multiplatform technology allows me to treat a wide array of skin and body issues in my medical spa. My practice consists of approximately 80% aesthetics and the Harmony^{XL} was more than worth the investment!"



Sam Most, MD

Board Certified Facial Plastic Surgeon, Stanford, CA

"The Harmony^{XL} system has given me the ability to provide safe, effective care to patients with multiple needs from a single platform. The combination of fractionated erbium laser (Pixel) and Advanced Fluence Technology (AFT) has, in particular, been beneficial to my patients."



Seema Patel, MD, MPH

Board Certified in Family Medicine, Admore, PA

"I love the Harmony^{XL} and the versatility it can provide. It can be used on all skin types with excellent results. It is very well tolerated and allows you to offer various services with only one laser! It is well priced and works very well. I have had it for several years and use it daily with no complications with the system, contrary to other lasers I have worked with in the past."



Janice Lima-Maribona, DO

Board Certified Dermatologist, Miami, FL

"Alma Lasers has provided endless combination treatments in my practice. The versatility of the product has allowed for all skin types to enjoy the benefits of laser and light rejuvenation. Alma offers cutting edge technology as well as extensive marketing support which has helped promote my practice in a very competitive environment in Miami. Alma is a solid company to have a business partnership with."



KeeLee Tan, MD

Cosmetic Physician, Perth, Australia

"Laser360^Q is an advanced protocol for skin rejuvenation. Used with the fractional, non-ablative Q-Switched laser and the fractional ablative iPixel^{Er} laser, Laser360^Q is a simple to perform protocol that quickly and effectively turns back the clock on aged skin."



Maria Angelo-Khattar, PhD

Director Aesthetica Clinic, Dubai

"iTED really helps you deliver what you promise to the patient.... IMPACT and Alma Lasers iTED concept are the future of skin repair."

Alma Lasers is the leading supplier of innovative medical aesthetic technologies. Alma Lasers is recognized by industry practitioners for its whole-hearted commitment to providing complete solutions to professional practices. Alma Lasers offers innovative technologies, dependable equipment, knowledgeable sales staff and years of industry expertise. We seek the creation of a strong and lasting relationship with our doctors and aesthetic clinics based on trust and a genuine desire for the success of the practice.



System Specifications

Electrical 100-120 VAC, 20A, 50/60 Hz 220-240 VAC, 10A, 50/60 Hz

Weight Upper Unit - 15 Kg (33 lbs) Lower Unit - 45 Kg (100 lbs)

Dimensions 39 cm wide x 55 cm deep x 123 cm high (15.7" x 21.7" x 48.5")



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