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 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.
Lasers

The Harmony™ 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™ 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.

<table>
<thead>
<tr>
<th>Module</th>
<th>Applications</th>
<th>PW / Mode</th>
<th>Spot Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>ClearLift</td>
<td>Tattoo removal</td>
<td>20 nsec</td>
<td>5 x 5 Pixel</td>
</tr>
<tr>
<td>1064 / 532nm KTP</td>
<td>Deep pigmented lesions</td>
<td></td>
<td>2.3 mm (KTP)</td>
</tr>
<tr>
<td></td>
<td>Vascular lesions</td>
<td>10, 12, 15, 45, 60 msec</td>
<td>2, 6, 10 mm</td>
</tr>
<tr>
<td>Nd:YAG / HP Nd:YAG 1064nm</td>
<td>Leg veins</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Hair removal</td>
<td>1064nm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Nail fungus</td>
<td>30, 40, 50 msec</td>
<td>6 mm, 5X5 Pixel</td>
</tr>
<tr>
<td>Nd:YAG / Cooled Nd:YAG 1320nm</td>
<td>Wrinkles and acne scars</td>
<td>30, 40, 50 msec</td>
<td>6 mm, 5X5 Pixel</td>
</tr>
<tr>
<td>Er:YAG / Er:YAG Pixel Pro (2940nm)</td>
<td>Fractional ablative skin resurfacing</td>
<td>Short, Medium, Long</td>
<td>7 x 7, 9 x 9 Pixels (roller)</td>
</tr>
<tr>
<td>iPixel² 2940nm</td>
<td></td>
<td></td>
<td>7 x 1 Pixels (roller)</td>
</tr>
<tr>
<td>Alex 755mm *</td>
<td>Hair removal</td>
<td>NA</td>
<td>5, 8 mm</td>
</tr>
</tbody>
</table>

* 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.

<table>
<thead>
<tr>
<th>Module</th>
<th>Applications</th>
<th>Technology</th>
<th>Wavelength [nm]</th>
<th>Pulse Width [msec]</th>
<th>Spot Size [cm²]</th>
<th>Pulse Repetition Rate [Hz]</th>
<th>Energy Density [J/cm²]</th>
</tr>
</thead>
<tbody>
<tr>
<td>High Power UV</td>
<td>Pigment restoration</td>
<td>Pulsed UV</td>
<td>300 – 380</td>
<td>30, 40, 50</td>
<td>6.4</td>
<td>1 / 2</td>
<td>2,000 – 5,000 mJ/cm²</td>
</tr>
<tr>
<td>NIR</td>
<td>Muscles and joints pain relief</td>
<td>Pulsed NIR</td>
<td>NIR</td>
<td>N/A</td>
<td>18</td>
<td>6.4</td>
<td>5 – 25</td>
</tr>
<tr>
<td>LED</td>
<td>Various skin conditions</td>
<td>LED Yellow</td>
<td>Pulsed / CW</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>IMPACT</td>
<td>Trans-epidermal delivery</td>
<td>Ultrasound Sonotrode</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>
Advanced Fluorescent Technology

Ama 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 HarmonyXL 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.

<table>
<thead>
<tr>
<th>Module</th>
<th>Applications</th>
<th>Wavelength [nm]</th>
<th>Pulse Width [msec]</th>
<th>Spot Size [cm²]</th>
<th>Pulse Repetition Rate [Hz]</th>
<th>Energy Density [J/cm²]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acne Pro</td>
<td>Acne clearance</td>
<td>420 – 950</td>
<td>S-Acne: 1, 3, 30 sec.</td>
<td>6.4</td>
<td>S-Acne: 10 Hz Acne: 1 / 2 Acne: 0.3 – 1.2 J/cm² Acne: 5 – 25</td>
<td></td>
</tr>
<tr>
<td>VL/PL</td>
<td>Vascular and pigmented lesions</td>
<td>540 – 950</td>
<td>10, 12, 15</td>
<td>3</td>
<td>2 / 3</td>
<td>5 – 30</td>
</tr>
<tr>
<td>SHR Pro</td>
<td>Super hair removal</td>
<td>NIR</td>
<td>SHR: 8</td>
<td>SHR: 3</td>
<td>SHR: 1 – 7</td>
<td>5 – 30</td>
</tr>
<tr>
<td>SST</td>
<td>Scar revision and treatment of striae</td>
<td>NIR</td>
<td>4 msec</td>
<td>3</td>
<td>5</td>
<td>1 – 3.5</td>
</tr>
</tbody>
</table>
Multi-Platform Capabilities

With the HarmonyXL, 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®

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

ClearChoice

The ClearChoice treatment for Onchomycosis (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®, 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
- Actinic chelitis
- Atrophic acne scars
- Angiomas and spider angiomas
- Atropic dermatitis
- Black acne
- Becker’s nevi
- Cellulite molluscus
- Café-au-lait macules
- Cherry hemangiomas
- Cheilitis
- Cutaneous lesions
- Debulking benign tumors
- Debulking cysts
- Deep and superficial telangiectasias
- Dystichia
- Elevating and/or maintaining tissue turgescence
- Ephelides (freckles)
- Epidermal nevi
- Erythema of rosacea
- Facial, normal 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
- Lip veins
- Lentigines (vene and solar)
- Lentigos
- Leukoderma, including vitiligo
- Melasma
- Nevus
- Neuroma
- Nevus of Ota
- Nevus spilus
- Onchomycosis
- Perioral wrinkles
- Periocular wrinkles
- Permanent hair reduction
- Pigmented lesions
- Polymorphous Nevi
- Pseudofolliculitis barbae
- Psoriasis treatment
- Port wine stains
- Reduction in red pigmentation in hypertrophic and keloidal scars
- Retinoid veins
- Rosacea
- Scars
- Seborrheic dermatitis
- Seborrheic keratoses
- Skin resurfacing
- Skin tags
- Solar lentigos
- Spider hemangiomas
- Spider nevi
- Spider veins
- 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
- Vascular malformation
- Warts

10-11
Clinical Results

Before After
AFT 420 Acne
Photos courtesy: Elizabeth VanderVeer, MD

Before After
AFT 540 VP
Photos courtesy: Elizabeth VanderVeer, MD

Before After
AFT 570 SR
Photos courtesy: Fernando Stengel, MD

Before After
SHR
Photos courtesy: Mira Volvovsky, MD

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

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

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

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

Clinical Studies

The Harmony™ 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™ 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™ 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™ 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™ was more than worth the investment!”

Sam Most, MD
Board Certified Facial Plastic Surgeon, Stanford, CA
“The Harmony™ 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™ 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
“Laser360iQ™ is an advanced protocol for skin rejuvenation. Used with the fractional, non-ablative Q-Switched laser and the fractional ablative iPixel™ laser, Laser360iQ™ 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

<table>
<thead>
<tr>
<th>Electrical</th>
<th>100-120 VAC, 20A, 50/60 Hz</th>
<th>220-240 VAC, 10A, 50/60 Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>Upper Unit - 15 Kg (33 lbs)</td>
<td>Lower Unit - 45 Kg (100 lbs)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>39 cm wide x 55 cm deep x 123 cm high (15.7&quot; x 21.7&quot; x 48.5&quot;)</td>
<td></td>
</tr>
</tbody>
</table>