finebeam

Finebeam Dual

Q-Switched & Long-Pulsed
Nd:YAG Laser

Finebeam Qplus

Q-Switched Nd:YAG Laser

Competitive
THREE DIFFERENT PULSES
in One Platform
(Q-Switched, Long-Pulsed, Quasi)

Clinically Proven **LIOB**
for Skin Rejuvenation
(Laser-Induced Optical Breakdown)

snj
MEDICAL & AESTHETIC SOLUTIONS

COMPIMed

Ministry of Food and Drug Safety

FDA

CE 1304

GMP

01

Finebeam Dual

Q-Switched & Long-Pulsed
Nd:YAG Laser

Main Benefits

- **True Long-Pulsed** mode provides **Ultimate Genesis Toning Effect**
- **LIOB Effect** by installing **MLA Handpiece** thanks to the strong and stable power supply
- **Exceptional High Power in PDP Modes** enables to **Gently** treat the **Deeper Lying Skin Pigment** without adjacent tissue damage
- **Longer Life Time, Lower Maintenance Cost, Strong and Stable Power** supply with **Two Chambers**
- **High Cost Efficiency** with one laser system with three modes and maximize **Space Utility**

True Genesis Toning Effect with True Long-Pulsed Laser

No Cooling, No Pain, No Side Effect
Absolute Complete Comfortable Warm Feeling

> Finebeam Long-Pulsed laser provides **True Genesis Toning Effect** which can't be realized with Q-Switched Quasi mode. The periodical and continuous genesis toning restore youthful skin so it is recommended as **LIFE CARE**.

Genesis Technique is the Way to Activate the Fibroblast of Papillary Dermis

Increase	HSP, TGF-b * Both factors are involved in wound healing Collagen Composition
Improve	Solar Elastosis
Decrease	IL-8 * Inflammation Cytokine

Effective for

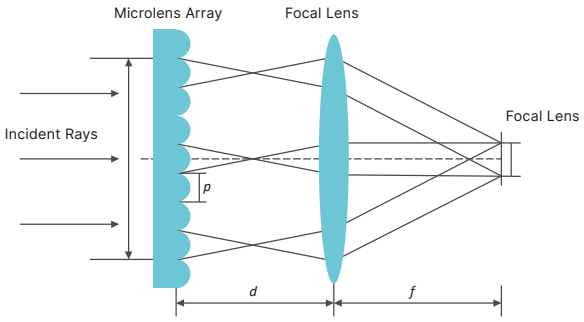
Whitening: Melasma and other pigments associated solar elastosis caused by long term UV exposure

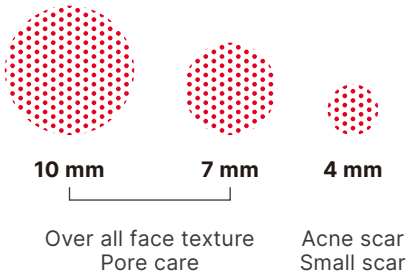
Tightening: Skin Texture, Pore Size, Wrinkle

Finebeam Zoom MLA Handpiece (Micro Lens Array)

Realize LIOB adopting MLA handpiece for optimal skin regeneration effect

It collects the laser beam through the lens, the character of the laser beam is maintained, and it makes a gaussian distribution curve like the energy in the center is high and around it is low. MLA delivers high energy in the center.

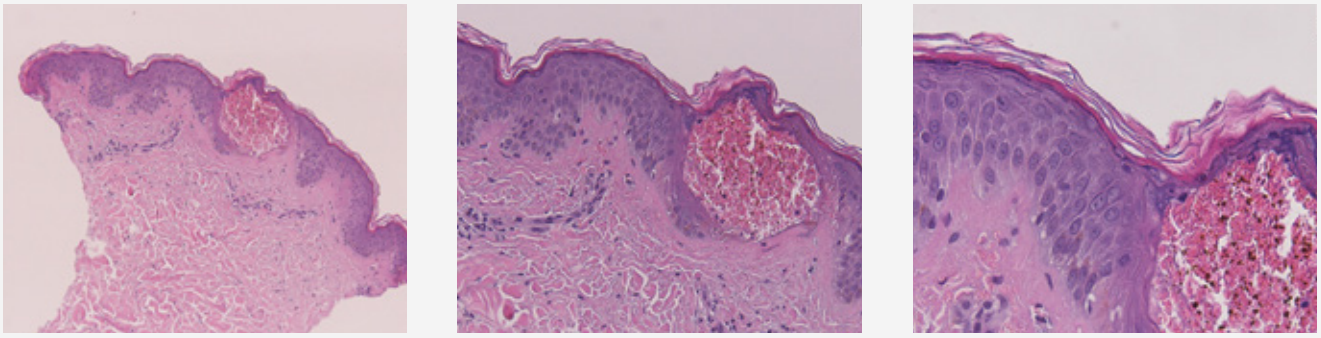




Clinically Proven LIOB Effect for Skin Rejuvenation

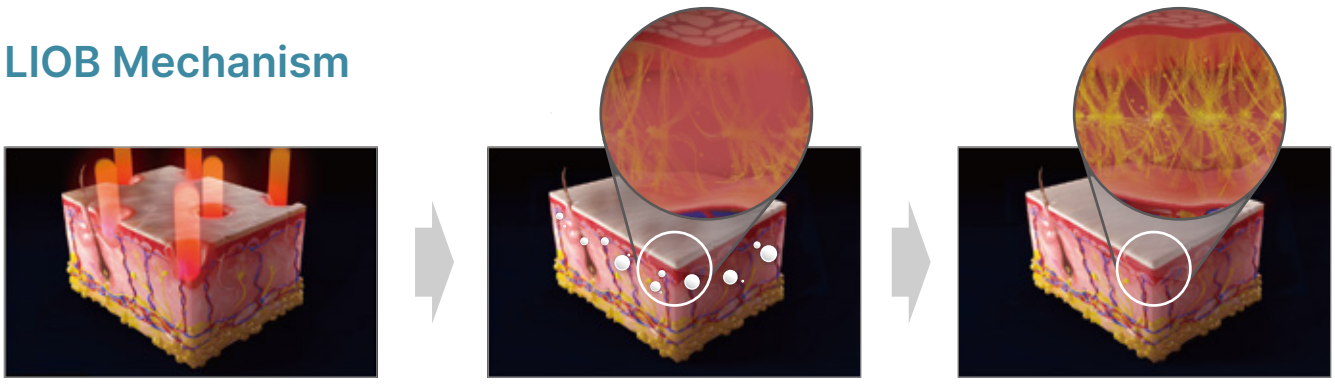
Histology Picture Tested by Finebeam

Courtesy of J.B Lee M.D

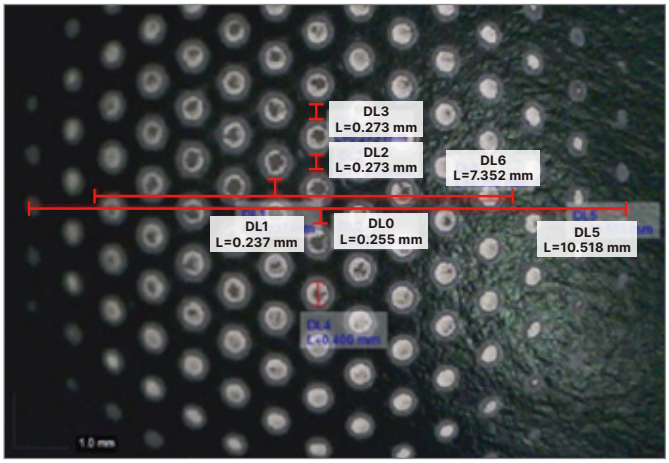


100x *200x* *400x*

LIOB Mechanism



Specifically Designed Finebeam Zoom MLA Handpiece



- Finebeam MLA Handpiece -

MLA handpiece is equipped with **120 Micro Lenses.** The beam from the MLA handpiece has 100 **Effective Spots for 10mm Spot Size,** they keep a certain distance of about **0.25~0.3mm** so it will show consistently good performance without side effects.

Using more advanced resonator technology and a specially designed arm, there is almost no energy loss passing the laser arm from a resonator to the end of the arm.
Almost 100% energy delivery to the handpiece realize the defined LIOB effect.

Optimal Results in All Indications Related with Skin Regeneration

Acne Scar, Pore Size, Skin Laxity, Skin Texture, Fine Wrinkles, Dermal Pigments etc.

Male / Ice Pick Scar, Acne Scar

Before *1 Sessions After*

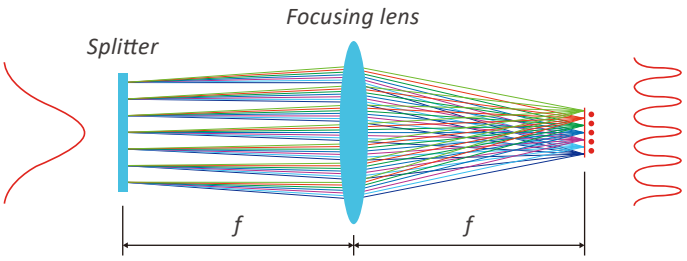
Female / Scar

Before *4 Sessions After*

Courtesy of Y.H. Hwang M.D

Finebeam DOE Handpiece (Diffractive Optic Element)

Realize the ultimate safe and effectiveness of pigmented lesions



It has to Top-hat beam profile and emits a uniform fractional beam. So it can give predictable results to treat pigmented lesions. DOE is a very effective method for removing pigmentation while minimizing the risk of side effects and downtime.

Special Indications for DOE:
toning for sensitive skin, easy pigmentation rebound skin and thermal sensitive skin, seborrheic dermatitis, pigmented lesions

Female / Pigmentation care, Skin tone

Courtesy of DR.JYOTI V. (From India)

Before *After*

Male / Skin tone

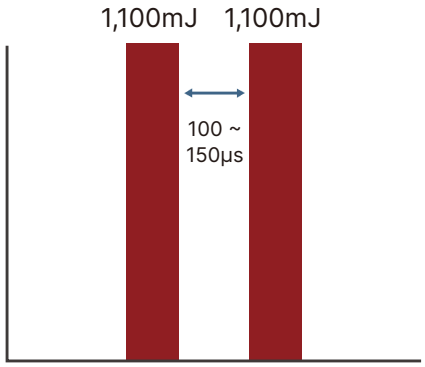
Before *Right After Treatment (a little bit erithema only)* *2 Weeks After*

Finebeam Exceptional High 2.2J PDP Mode

High power of PDP mode gently and powerfully treats dermis pigments

**Finebeam PDP mode peak power is 2.2J,
it is around 10 to 30% higher than others.**

To break melanin in the dermis, if an operator increases power only with the single-mode, laser reacts with the melanin in the epidermis before reaching the dermis or it can be the cause of epidermal skin trouble like hypopigmentation or folliculitis, etc.
In PDP mode by dividing the pulse with two, up to high power 2.2J energy can safely and effectively be delivered to the dermis without skin damage.
Even though dividing with two pulses, peak power for one pulse is still high as 1.1J, the high power can generate a photoacoustic effect enough to break melanin and tattoo ink, etc in the dermis.



Max. 2,200mJ
1,100mJ X 2

Female / Melasma & ABNOM

Courtesy of Y.H. Hwang M.D

Before *10 Sessions After*

Female / Melasma & Skin tone & Blemish

Courtesy of Minh (From Vietnam)

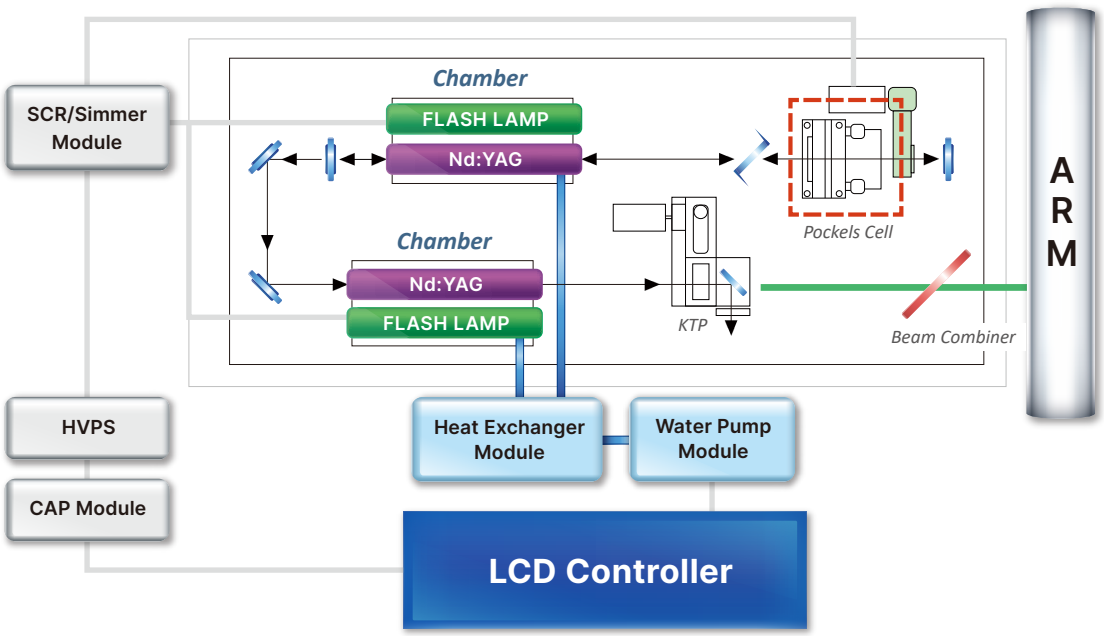
Before *After*

After several treatments with a single pulse, when you can't see the improvement anymore and you can see the light pigment in the dermis, it is the right time to treat with PDP mode.

Optimal Results for Pigment in Dermis

Melasma, Abnom, Tattoo etc.

Finebeam Exceptional High 2.2J PDP Mode



- Finebeam Two Chambers Laser Head -

Hair Removal (LPS)

Courtesy of Y.H. Hwang M.D

Before *After*

Telangiectasia (LPS)

From Indonesia

Before *After*

Finebeam Dual Cover Wide Range of Indications

With Three Different Pulse Durations; Nanosecond (Q-Switched), Microsecond (Quasi), Millisecond (Long-Pulsed)

The three different pulse durations offer optimal results by a combination of different pulse treatments and smart different layers approaches.

- **Dual Toning**
  Toning with Q-Switched → Genesis Toning with Long-Pulsed
- **Tri Full Toning**
  Toning with Q-Switched → Genesis Toning with Long-Pulsed → MLA with Q-Switched

High Cost Effectiveness High Space Utilization

It allows high cost-effective by the versatile indications as well as improving space utilization.

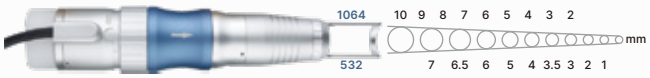
4 Different Range of Wavelengths Target a Various Type of Pigment

Zoom handpiece is generally used for all type of pigments. And our various types of handpiece enhances the treatment efficacy and safety.
595nm Gold is for vascular melasma, 650nm Ruby is for rosacea and fine blood vessels.

Safe and Convenient **Automatic** 'Handpiece Type' and 'Spot Size' **Detection** Function

- Standard supplied Zoom Collimation handpiece keeps the same spot size and power up to 10 cm distance from the skin, it makes capable of non-contact treatment without additional purchasing of Collimation handpiece.
- Various type of handpiece enhances the synergy effect with combination treatment.

6 different types of Handpiece Helps for Achieving Desired Clinical Results

Zoom Collimation * All Applications in General (Toning, Carbon Peeling etc.) QSW & LPS 1064 : 2~10mm / 532: 1~7mm 	▸ Standard
DOE * Pigment Care QSW 1064 : 7mm 	▸ Option
Zoom MLA * Elastisity Related Care QSW 1064 : 10, 7, 4mm 	▸ Option
650nm Ruby * Rosacea, Fine blood vessel, Green tattoo QSW 1064 : 3mm 	▸ Option
595nm Gold * Vascular melasma, Rosacea, purple, Sky blue tattoo QSW 1064 : 5mm 	▸ Option

COLLI

FRX

DYE

Technical Specification

Product Name	Finebeam Qplus	Finebeam Dual
Pulse Energy (Max)	1064 Q Single: 100~1300mJ	1064 Q Single: 100~1600mJ
	1064 Q Double: 500~2000mJ	1064 Q Double: 500~2200mJ
	532 Q Single: 20~500mJ	532 Q Single: 20~500mJ
	1064 Quasi-Long: 100~3000mJ	1064 Quasi-Long: 100~3500mJ
		1064 Long: 1~60J
Laser Type	Q-Switched & Long-Pulsed Nd:YAG Laser	
Wavelength	1064/532nm	
Pulse Duration	1064 Single ····· < 10ns	
	532 Single ····· < 10ns	
	Quasi ····· < 350μs	
	1064 PDP ····· < 20ns	
	1064 Long-Pulsed ····· < 0.3~300ms	
Repetition Rate	Single, 1~10Hz	
Beam Delivery System	Articulated Arm with Handpiece (7 Joint)	
Aiming Beam	Laser Diode, 3mW Pilot Beam (655nm)	
Cooling System	Internal Water to Air Heat Exchanger	
Electrical Power	100~240VAC, 50/60Hz	
Dimension	320(W) x 850(L) x 800(H) mm	
Weight	70kg	75kg

INDICATIONS

Q-Switched :

Melasma & PIH Improvement, Nevus of Ota & ABNOM Removal, Soft Peeling, Tattoo Removal, Freckle, Lentigines, Café-au-lait Spot, Becker's-Nevus, Age Spot Improvement etc.

Long-Pulsed :

Genesis, Skin Tightening & Lifting, Acne Erythema Improvement, Telangiectasia, Hair Removal etc.

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True Genesis
Long-Pulsed

MLA LIOB EFFECT
Strong and Stable Power

High Power Effective
PDP Pigment Care

Two Chambers High Durability
Stable Power

DOE Ensure safety
Pigmentation Care

▼ Connect with SNJ Medical

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