B&B Systems

New 1440nm
Fractional Laser System

Anybeam FX

1440nm Fractional Laser System for Skin Rejuvenation

Anybeam™ FX minimizes damage to the skin but accelerates the rejuvenation of the dermis by using a special wavelength with optimum depth of penetration. It provides a new treatment, combining the advantage of NAR(non-ablative rejuvenation) with that of common laser.

Anybeam™ FX irradiates the minimum laser energy using a truly randomized fractional scanner and derives collagen remodeling (degeneration and reassignment) through thermal diffusion in the papillary dermis, so that it can show excellent lifting and tightening effects. It is a new generation laser with wide range of applications including skin whitening as well as acne scar, pore size reduction, wrinkle reducing, improving skin texture, and stretch mark treatment.

Thermal injury distribution of laser

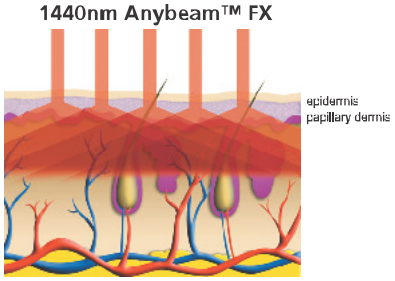
The core advantages of the 1440nm laser are divided into optimum penetration depth which is the main feature of the laser beam and the diffusion of thermal energy.

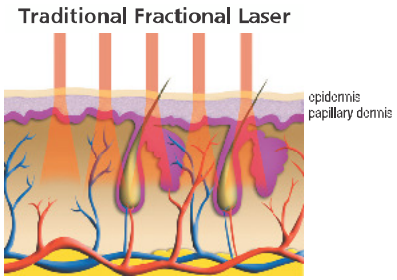
The 1440nm laser generated from the Anybeam™ FX can penetrate to the papillary dermis (about 0.3mm in depth) and spread in a broad angle.

In particular, a fractional scanning method has been adopted for the Anybeam™ FX, so that a wide range of laser beam are spread among numerous adjacent irradiated points in the papillary dermis.

Consequently, the skin becomes rejuvenated by remodeling of collagen. It can have a significant effect on scar, pore, wrinkle, skin flexibility, etc. with little injury to the skin.

Although it penetrates into the dermis layer, the stratum corneum still remains untouched. There is little or no edema, erythema or oozing from treated area that is experienced in common laser treatment, but you will experience the rejuvenation of your skin without pain.

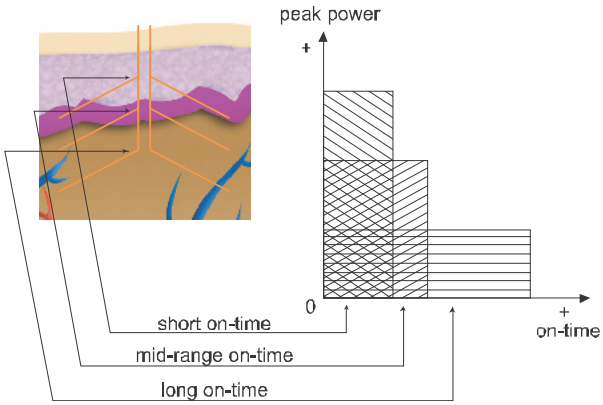




Thermal injury distribution by on-time(pulse width)

The Anybeam™ FX laser shows a different depth of thermal injury according to the period of on-time, due to the features of the 1440nm laser.

In other words, the shorter the on-time, the more effective it is on the epidermis side, but the longer the on-time, the more effective it is on the deeper part of the dermis.

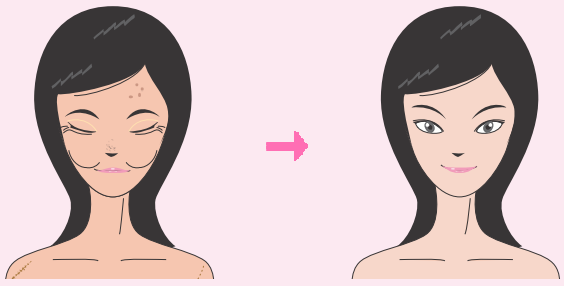


▲ Thermal injury distribution by on-time

Anybeam FX

Major Clinical Applications

- Skin rejuvenation
- Fine wrinkles
- Enlarged pores
- Skin resurfacing
- Skin whitening
- Acne scar / Surgical scar
- Stretch mark



Treatment Areas

Product Features

1. **Minimizing skin damage but maximizing the promoting collagen production with minimum energy**
   With uniquely optimum penetration depth but minimum energy, the 1440nm laser has an exceptional effect in the papillary dermis and a painless surgical treatment is available with no-anesthesia or simple skin anesthesia.
2. **Immediately return to daily life after an advanced comfortable painless surgery**
   There is little pain or skin damage even to the face and soft parts of the body. No messy gels are applied before the treatment and no further treatment is required after the treatment. You may wash your face or put on make-up the same day of the treatment and may resume your normal routine.
3. **New concept, real-mode fractional scanning technology**
   Different from the former progressive scanning or similar fractional scanning, Anybeam™ FX laser adopts a Real-mode Fractional Scanning Method (truly randomized fractional scanning) to minimize skin burn or pain.
4. **Both stamp and sliding mode available**
   As the Anybeam™ FX serves both as stamp mode and a sliding mode, a practitioner can conveniently perform an treatment by moving the scanner, even under laser irradiation if the affected part is wide.

5. **Adjustable energy per pulse, pulse width, and energy density**
   You can easily not only adjust the energy per pulse and pulse width which used to be hardly adjustable with former equipment like diode pumping systems, but also adjust the energy density to the range of 1~20% within a single scan, making an individualized treatment dependent on different skin conditions available.
6. **Avaliable changing the laser setting value maintaining a consistent energy level**
   Laser setting parameter(energy per pulse and/or pulse width) can be adjusted in detail while maintaining a consistent energy level, which is very convenient for the skin treatment.
7. **Single or consecutive beam function**
   If a deep irradiation is required, three consecutive irradiations are possible in one spot by fractional scanner.
8. **Easy maintenance**
   No consumable preparation such as gel or blue dye is required, so the treatment is simple and maintenance expenses can be reduced.

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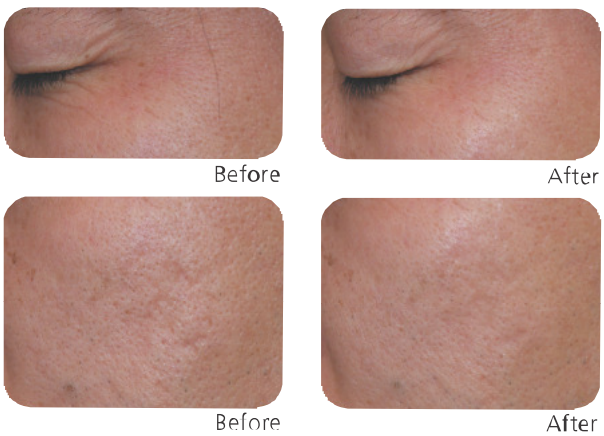
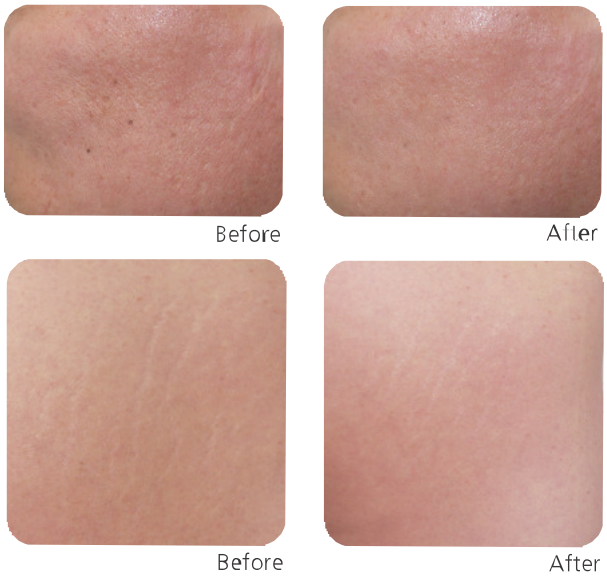
Clinical Images





In May 1994, a medical equipment research team was organized under the auspices of the Samsung Advanced Institute of Technology to supervise the medical equipment business of the Samsung Group.
When the medical laser system as one of the group's research projects was successfully commercialized, an independent medical equipment project team(first in-house venture) was established.
Seeking to participate in the medical equipment business aggressively, the team was spun off from Samsung Electronics in May 2002; thus, B&B Systems was born.

Specification

Laser type	Pulsed Nd:YAG
Wavelength	1440nm
Energe per pulse	5~100mJ/pulse
Pulse width	0.5mS~2mS
Beam delivery	Optic Fiber + Scanner
Scanner model	SCANLAB palmSCAN
Aiming beam	Red Visible Diode Laser
Power requirements	220~230VAC 50/60Hz 100~110VAC 50/60Hz(optional)
Size	270mm x 550mm x 862mm(WDH)
Weight	50Kg

ISO13485 KFDA INNOBIZ

- **Please note:**
- The product color in this brochure may differ slightly from the actual product's color.
- The external view and specifications of this product are subject to change without prior notice to improve quality.
- **Dealers and sales outlets by country**

A Leader in Laser Equipment

B&B Systems

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