







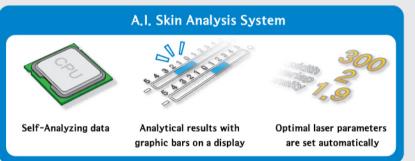
Fractional CO₂ Laser + CO₂ Laser + Skin Analysis

Users are able to measure and analyze patient's skin condition and lead the best effects of skin rejuvenation for your patients with this advanced 3rd generation laser device.

PROCESS



Analyzing Skin condition





Ideal operation for a patient

A.I. skin analyzing system

A.I. skin analyzing system of BISON MEDICAL is a self setting system to select the most effective and safe mode for a patient with its self-analyzing data based on measuring results of the patient's skin and self-stored various basic clinical data. So this system gives a convenience to the practitioners and a satisfactory result to your patients.

3 - Way Mode

FIRE-XEL combines 3 major functions, ultra pulse CO₂ laser and skin analysis as well as fractional CO₂ laser, for the most precise treatment. There was no such a multi functional laser device before FIRE-XEL in the world.

Premium Quality

Unlikely existing other devices, FIRE-XEL mounts a globally recognized high quality Galvano motor for the fast, precise and safe treatment. With this motor, FIRE-XEL solves the frequent motor trouble that is the most troublesome problem of other scanner devices.

Various selectivity-Over 3,000 scanning modes

Practitioners are able to select the most proper shape, size, and density of laser among more than 3,000 modes according to your patient's symptoms and region. And it's very easy to find a proper scanning mode with its simple and convenient touch-screen.

Human-friendly design

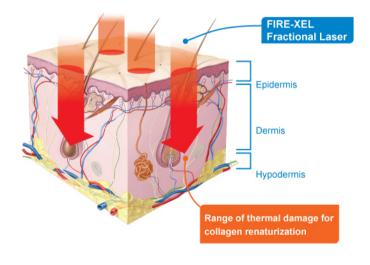
Unlikely other devices', using an Air jet, FIRE-XEL eliminates smoke and provides cooling effect at the process of treatment to minimize the risk of PIH. Practitioners can carry out various operations with its 7-joint Arm. And also a stylish design of BISON MEDICAL is well suited for every space and it will make your hospital more trustworthy.

Multi Mode Fractional CO₂ Laser



's core function is an activation of collagen synthesis. Acne scars and wrinkles can be treated by this function as well as skin tightening and vitality. With only an advanced laser device like FIRE-XEL, most of skin problems such as pigmentation, wrinkles, whitening and tightening can be solved in a short period.

Normally patients undergo 1 to 3 treatments at intervals of 3 to 4 weeks and every treatment is finished within 15 minutes.



Indications

Fractional Laser

Improves skin tone, glow and texture Reduces fine lines and wrinkles Softens deeper frown lines Tightens loose eyelid skin Tightens skin around the neck and jowls Tightens large pores Reduces stretch marks Erase scars, especially acne scars

CO₂ Laser

Freckle Dark spots Lentigo Sun damaged skin Mole / Wart Condylomas

Shapes





parameters are set automatically.

Diamond





Directions

Skin resurfacing







complicated treatment, and the effects of other modes

can be maximized by using this mode together.

SPRAY RANDOM

Sequence Convergence Divergence

Spray

Random













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Condylomas

Specifications

General

Dimensions (w × h × d)

Weight

Weight including accessories

Main voltage

Maximum power, in operation

Safety class

Fuses

Class IV laser 2 × Little AC 250V 10A

Laser Module

Laser type

Wavelength

Beam mode quality

Beam quality (at $1/e^2$)

Laser power output, continuous

Spot size

Delivery system

Aimming beam Cooling system

TEM $_{0}$, 95% purity $M^2 \le 1.2$ 30 Watts at arm's tail

7-joint, fixed mirror articulated arm 3.5mW, 650nm red diode laser

Scanner system

Scanning area Scanning shape

Scanning direction

Dot pitch (Density) Pulse width

Overlap Energy in one dot

, Hexagon, Round rectangle Sequence, Converge, Diverge ,Random ,Spray 0.5 ~ 1.9 mm

UltraPulse system

Repeat time

Continuous wave power

200 ~ 1000 μs 10 ~ 1000 ms

Clinical system

Environmental Condition

Temperature Relative humidity Atmospheric pressure



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