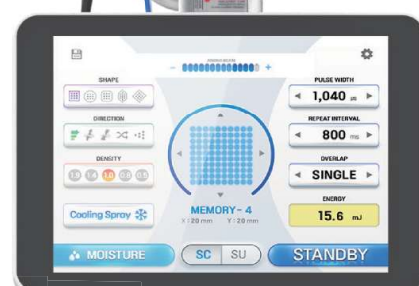


10,600nm Fractional CO₂ laser - Scanner type

ElCool

SURGICAL FEATURES

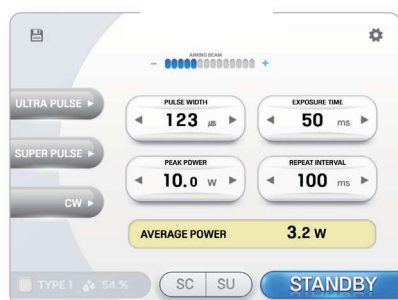
- ◆ 3-Way Mode
- ◆ A. I. Skin Analyzing System
- ◆ Premium Quality
- ◆ Various Selectivity-Over 3,000 Scanning Modes
- ◆ Body-Friendly Design
- ◆ 2-Way Cooling System



3-WAY MODE FRACTIONAL CO₂ LASER

The primary function of our advanced laser device, ElaCool, is the activation of collagen synthesis. This powerful capability extends to the effective treatment of various skin concerns, including acne scars and wrinkles. Moreover, ElaCool resolves issues like pigmentation, whitening, and overall skin tightening and vitality. With its cutting-edge technology, this device offers a comprehensive solution to a range of skin problems, ensuring efficient and rapid results.

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



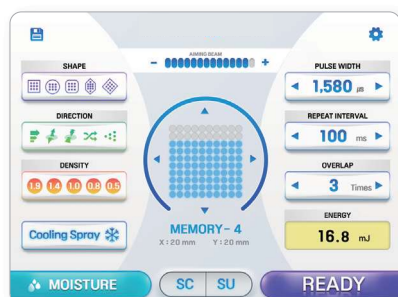
SURGICAL MODE

UTILIZED IN A VARIETY OF TREATMENTS

Medical professionals can leverage the Surgical mode for intricate treatments, enhancing the effectiveness of other modes when used in conjunction with it. This mode serves as a valuable tool for practitioners, allowing them to optimize the outcomes of various treatment modes.

2 WAY COOLING - AIR JET

Unlike other devices using an air jet, ElaCool eliminates smoke and provides cooling effect at the process of treatment to minimize the risk of PIH.



SCANNING MODE

VARIOUS SELECTIVITY FROM OVER 3,000 MODES

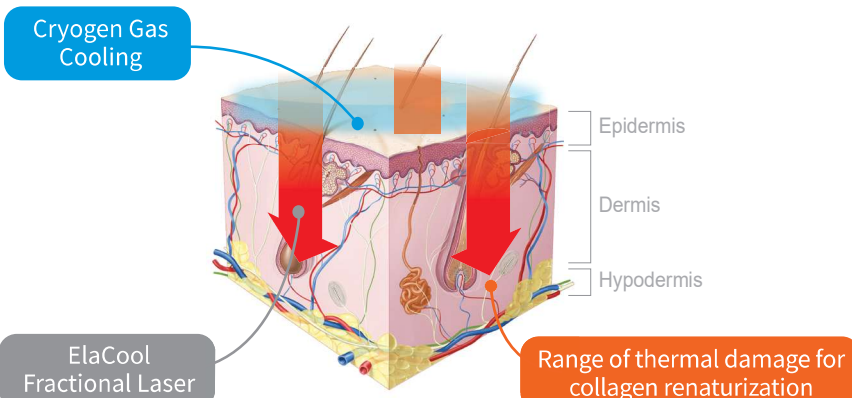
Practitioners are able to easily and quickly select the most appropriate area, shape, density, and direction of the laser from more than 3,000 modes displayed on a panel.

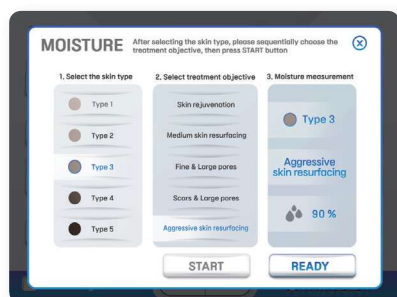
2 WAY COOLING - CRYOGEN GAS

Before laser irradiation, Cryogen Gas is quickly sprayed onto the skin surface in order to drop the temperature instantaneously. This system highly reduces the pain associated with the Fractional laser.

FRACTIONAL LASER +
CRYOGEN GAS COOLING

ALLEVIATION OF BURNING PAIN ON THE EPIDERMIS





CLINICAL MODE

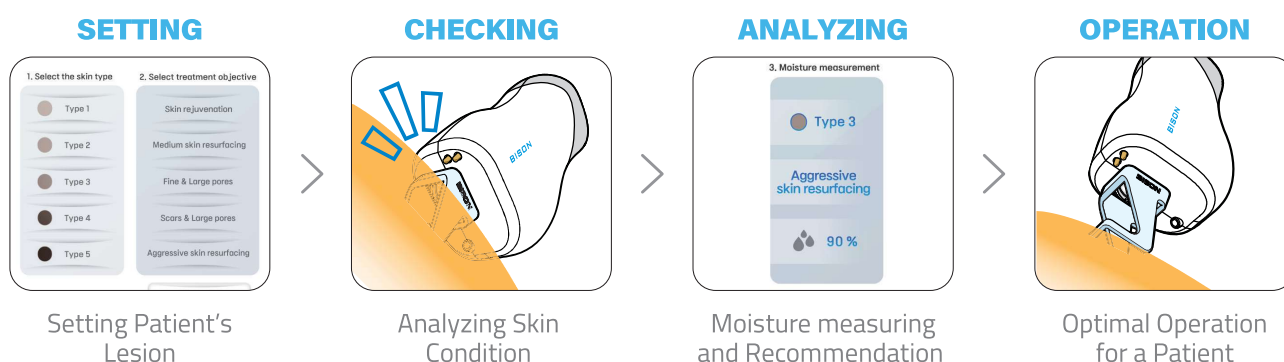
FROM THE SKIN ANALYZING TO THE OPTIMAL SETTING

Analyzing the patient's skin conditions and skin type according to the types of treatment, the optimal laser parameters are set automatically.

THE WORLD'S FIRST A.I SKIN SELECTION & ANALYZING SYSTEM

The A.I. skin analyzing system by BISON MEDICAL is auto-setting mechanism that autonomously chooses the most effective and safe mode tailored to each patient. It utilizes self-analyzing data derived from the patient's skin measurements and internally stored diverse clinical data. This system not only offers convenience to practitioners but also ensures satisfactory results for your patients.

SKIN ANALYSIS SYSTEM



PREMIUM QUALITY & HUMAN-FRIENDLY DESIGN

Unlike existing other devices, ElaCool mounts a globally recognized High quality Galvano motor for the fast, precise and safe treatment. Practitioners can carry out various operations with 7-joint Arm. Also a stylish design of BISON MEDICAL is well suited at every space and it will make your hospital more trustworthy. An well-organized GUI and a larger, more sensitive display have enhanced ease of use for practitioners.

7-JOINT ARM



LCD UPGRADE



7" (800x480)



12.1" (1024x768)

SHAPES



Rectangle



Circle



Round Rectangle



Hexagon



Diamond

DIRECTION



Sequence



Divergence



Convergence



Smart Random



Spray

CRYOGEN GAS

Cooling Spray

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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
- Skin resurfacing

Surgical Laser

- Freckle
- Dark spots
- Lentigo
- Sun damaged skin
- Mole / Wart
- Condylomas

SPECIFICATIONS

General

Dimensions (W × D × H)	400(W) × 452(D) × 1,239(H) mm (Include Arm H : 1,890mm)
Weight	60 kg (w/o arm)
Weight including accessories	57.3 kg (w arm)
LCD	12.1" (1024X768)
Main voltage	100~240 VAC, 50/60 Hz
Maximum power, in operation	600 VA
Safety class	Class IV laser
Fuses	2 × Little AC 250V 10A

Laser Module

Laser type	fractional CO ₂ laser, Scanner type
Wavelength	10,600μm, invisible infrared
Beam mode quality	TEM00, 95% purity
Beam quality (at 1/e ²)	M ² ≤ 1.2
Laser power output	Up to 30W
Spot size	100 / 300 / 600 μm
Delivery system	7-joint, fixed mirror articulated arm
Aiming beam	3.5mW, 650nm red diode laser
Cooling system	Water

Environmental Condition

Temperature	+10 ~ +40°C
Relative humidity	30 ~ 75%
Atmospheric pressure	700 ~ 1060 hPa

Scanner system

Scanning area	X: 3 ~ 20 mm, Y: 3 ~ 20mm
Scanning shape	Rectangle, Circle, Diamond, Hexagon, Round rectangle
Scanning direction	Sequence, Converge, Diverge, Random, Spray
Dot pitch (Density)	0.5 ~ 1.9 mm
Pulse width	Typically 360 ~ 9,900 μs
Energy in one dot	Typically 5.4 mJ ~ 150 mJ (@15 Watt, 1 time)
Overlap	1 ~ 9 times
Cryogen Gas Spray	Level 1 ~ 3 (10ms Step)

Surgical system

Ultra Pulse	Pulse width	400 ~ 1,250 μs
	Exposure time	10 ~ 1,000 ms
	Power peak	10 ~ 1,000 ms / Single
Repeat delay	Super Pulse	7.0 ~ 30.0 Watt
	Exposure time	500 ~ 9,000 μs
	Repeat delay	10 ~ 1,000 ms / Single
Continuous Wave	Power	10.0 ~ 30.0 Watt
	Power	0.5 ~ 30.0 Watts

Clinical system

This system analyzes skin moisture and skin type, it automatically sets laser parameters based on the clinical data

BISON

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