



*Smarter,
More efficient,
More reliable
More MORE-XEL than ever*

Scanning **MORE-XEL** RF-Fractional Laser + CO₂ Laser + Skin Analyzer

Exclusive Features of MORE-XEL RF-Scanning

- The World's First Skin Type Selection System
- The Newest and Easiest Touch Operation System
- Skin Analysis System
- Stylish Screen, Luxurious Exterior
- Scanning Mode + Surgical Mode + Clinical Mode
- Long Lasting 30W RF Driver
- Adjustable Spot Size
- Smart Random Mode



“Is it a CO₂ fractional laser? Or something better?”

BISON Medical suggests new CO₂ fractional laser standard different from existing ones.

Skin Analysis System

Setting



Setting Patient's Lesion

Checking



Analyzing Skin Condition

Analyzing



Measured Value and Recommendation

Operation



Ideal Operation for a Patient

+ Super Smart Skin Analysis System

More elaborate and faster skin analysis system enables you measure more accurately by subdividing patient's skin condition from existing 10 steps up to 1,000 steps. After the measurement, you will make safe and convenient treatment by providing optimal parameters suitable for each patient.

+ World's First Skin Type Selection Function

By addition of the option for skin type for the first time in the world, more customized treatment will be delivered and it will enable you to better address pigmentation with minimal discomfort.

+ RF-DRIVER

MORE-XEL Scanning adopted RF-Driver of Synrad, USA generating stable and powerful output, and you don't need to change the laser since it is semi-permanent.

+ Galvano Motor

We adopted Galvano motor from Cambridge Co., USA displaying more than 3000 scanner modes more accurately and faster, and also improved minor problems of motor innovatively.

+ Multi-Mode

MORE-XEL Scanning has the functions of Ultra Pulse, Super Pulse and Continuous Wave in addition to existing fractional CO₂ laser function, which enables to perform various treatments including laser surgery as well as beauty treatment.

+ Simple to Use & Faster Treatment Times

Smart touchscreen interface and precise dosimetry allows physicians to select optimal treatment settings and improved scanner design increases procedure speed by 15%.



MX-S

Experience our New CO₂ fractional laser, MORE-XEL Scanning

surgical

Surgical mode delivers more accurate and varied treatment adding Ultra Pulse, Super Pulse and CW functions for surgeons and internal medicine doctors as well as dermatologists.



scanning

It will realize more than 3000 scanning modes of scanning sizes, shapes, directions, densities, etc. and enhanced usability by differentiated UI such as air, energy, sound and beam brightness.



Analyzing

It expresses skin moisture condition up to one decimal point, and established smart guide system providing related cautions and characteristics on the screen.

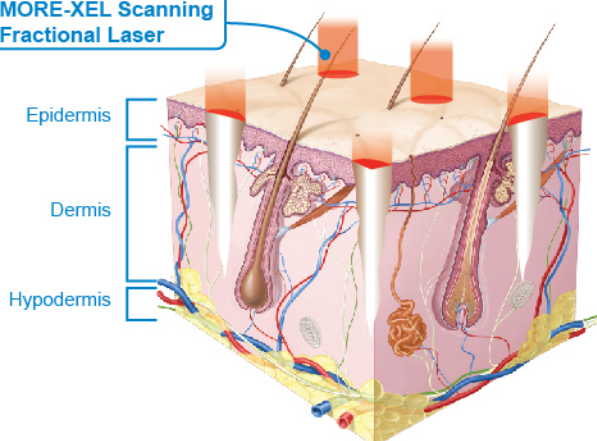
clinical

Clinical mode allows physicians more delicate and accurate treatment by the selection of Skin Type and lesion of the patients.

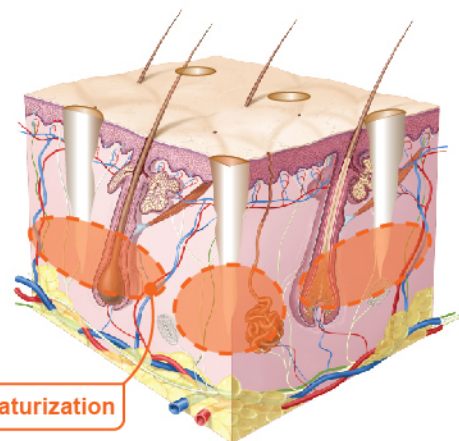


❖ Skin Regeneration Process of MORE-XEL Scanning

MORE-XEL Scanning Fractional Laser



Micro laser beam of μm unit penetrates into from epidermis up to deep inner skin.



Collagen renaturation

Remodeling of epidermis and collagen at the same time through the natural regeneration promoting effect of normal surrounding tissues.

❖ MORE-XEL Scanning's Indications

- A Variety of Scars, Pimple Scar, Scar of Surgery, Scar by External Injury, Scar of Burns
- Wrinkle of Forehead, Wrinkle around the Eyes and Mouth
- Photo-Aging Skin: Rough and Messy Skin Tone, Skin Texture, Wide Pore
- Epidermal Coloring Lesion such as Freckle, Blemish, etc
- Total Skin Resurfacing
- Removal of Lesion such as Mole, Wart-Syringoma, Colloid Milium

Shapes



Rectangle



Circle



Diamond



Hexagon



Round Rectangle

Directions



Sequence



Convergence



Divergence

SPRAY RANDOM

Spray

Smart Random

Specifications

General

Dimensions (w × h × d)	320 × 970 × 700 mm
Weight	53 kg
Weight including accessories	60.3 kg
Main voltage	220~240 VAC, 50~60 Hz
Maximum power, in operation	330 VA
Safety class	Class IV laser
Fuses	2 × Little AC 250V 10A

Scanner system

Scanning area	X: 3 ~ 20 mm, Y: 3 ~ 20mm
Scanning shape	Rectangle, Circle, Diamond, Hexagon, Round rectangle
Scanning direction	Sequence, Converge, Diverge, Smart Random, Spray
Dot pitch (Density)	0.5 ~ 1.9 mm
Energy in one dot	5 ~ 120 mJ

Laser Module

Laser type	Fractional CO ₂ laser, Scanner type
Wavelength	10.57 ~ 10.63 μ m, invisible infrared
Beam mode quality	TEM ₀₀ , 95% purity
Beam quality (at 1/e ²)	M ² ≤ 1.2
Laser power output, continuous	10 Watts at arm's tail
Adjustable spot size	100 / 300 / 800 μ m
Delivery system	7-joint, fixed mirror articulated arm
Aiming beam	3.5mW, 650nm red diode laser
Cooling system	Air

Surgical system

Ultra Pulse	
Pulse width	200 ~ 1000 μ s
Repeat time	10 ~ 1000 ms
Super Pulse	
Pulse width	1 ~ 20 ms
Repeat time	50 ~ 1000 ms
Continuous Wave	
Power	0.5 ~ 10 Watts

Clinical system

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

Environmental Condition

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



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