

Fraxel™ SR Laser



The Fraxel® SR Laser System performs fractional skin resurfacing.

The Fraxel® SR Laser is used to perform fractional photothermolysis. This laser system provides an innovative approach to repairing aging and sun-damaged skin, including periorbital wrinkles, pigmented lesions and melasma.

The Fraxel® SR Laser is a 1550nm laser whose target is water. The handpiece delivery device features an Intelligent Optical Tracking System (IOTS) that adjusts to the physician's hand movement and delivers precise microthermal zones (MTZs).

Fractional wound healing results in both rapid re-epithelialization of the epidermis as well collagen remodeling.

The Fraxel® SR system delivers a wavelength of 1550nm, attracted to a chromophore of water, through a fiberoptic device. The energy levels are adjustable to 6-40mj and the variable spot size allows adjustment of the power density.

The handpiece uses the IOTS to self-adjust to the velocity of treatment and only fires upon movement of the skin. The disposable 15mm and 7mm tips offer two choices in delivering energy.

This Fractional Resurfacing produces microscopic microthermal treatment zones (MTZs) while sparing the viable tissue. Dermal healing takes place in precise columns with collagen denaturalization. The stratum corneum remains intact during treatment and acts as a natural bandage.

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Specifications

**Based on manufacturer's product literature*

Optical spot sizes	<140 µm
Pulse repetition rate	up to 3,000 MTZs per second
Microthermal Treatment (MTZ) Density	approximately 250 MTZs/cm ² per pass at full density approximately 125 MTZs/cm ² per pass at half density
Pulse energy	6-40 mJ
Continuous motion	0.3-8 cm/s hand piece movement rate
Tip treatment width	15mm for large tip 7mm for small tip
User interface	15" touch screen display
Laser trigger	footswitch
Calibration	integrated calibration port
Dimensions	laser console: 19x19x18" (WxHxD); optional cart: 19x32x22"
Weight	laser console: 55 lbs; optional cart: 90 lbs
Electrical	universal, medical grade power supply 100-240 VAC 50-60 Hz operating current <6A@100V <3A@200V
Optional accessories	rolling cart with storage drawers

Services

Southland Surgical Laser Rental is committed to provide only the best medical products, and the quality of service, allowing you to provide the best care for your patients.

We offer a full-inventory of leading-edge medical products on a "per-case" basis.

We offer certified and fully insured Laser Technicians to oversee the operation of the laser during your procedures.

We offer comprehensive educational programs on the laser use and the latest techniques.

We offer live scheduling 24 hours a day, 7 days a week, 365 days a year.

Southland Surgical Laser Rental is your Full Service Medical Laser Rental Company.