

FRACTIONAL TECHNOLOGIES COMPARISON CHART

Supplier Product Name	Device Type	Wavelength (nm)	Energy Output (Joules)	Pulse Length	Price	Accessories
Alma Lasers						
Pixel 2940	Fractional Er:YAG handpiece for Harmony ^{XL} system	2940 nm	2500 mJ/p	N/A	Contact mfr.	Pixel 2940 handpiece.
Pixel CO ₂	Fractional CO ₂ system	10,600 nm	30 W	N/A	Contact mfr.	7 x 7 and 9 x 9 pixel array handpieces, two surgical handpieces.
Pixel Omnifit	Pixelized handpiece for existing CO ₂ systems	10,600 nm	N/A	N/A	Contact mfr.	7 x 7 and 9 x 9 pixel array configuration.
Candela						
QuadraLASE	CO ₂	10,600 nm	30 W (max)	Pulse duration: 0.1 – 0.8 ms in increments of 0.1 ms; Fractional mode: 2.5 – 16 ms	Contact mfr.	No disposables.
Cutera, Inc.						
Xeo Platform						Upgradable laser and light multi-application platform.
Pearl Fractional	Fractional Er:YSGG	2790 nm	60 – 320 mJ per microspot	600 μs	Contact mfr.	Deep ablation - greater than 1 mm depth. Real time calibration. Smoke evacuator connector.
Cynosure						
Affirm CO ₂	CO ₂ with scanner	10,600 nm	30 W	0.2 – 20 ms (standard), 0.2 – 2 ms (micro ablative)	Contact mfr.	Scanner (micro ablative and full ablative).
Eclipse						
SmartXide DOT	CO ₂ Laser and Scanner System	10,600 nm	30 W	From 0.2 – 80 ms	Contact Eclipse	Scanner for standard or DOT scanning mode versatility.
Focus Medical						
Naturalase Er	Er:YAG	2940 nm	Up to 24 J/cm ²	350 ms	\$74,900	Fractional handpiece with system. 100–150 micron spot size. Up to 8 Hz.
General Project						
Pix Scan	CO ₂ Fractional Laser	10,600 nm	N/A	N/A	Contact mfr.	Fractional scanner.
LASERING^{USA}						
MiXto SX	CO ₂	10.6 nm	0.5 – 30 W	2.5 to 16 ms	\$79,000	Patent pending MiXto SX fractional scanner system. 300 micron spot scanner. 5% to 40% density adj. Optional 180 micron spot scanner.
Velure S5 MiXto VX	Diode	532 nm	0.1 – 5 W	10 – 1,000 ms	\$53,900	MiXto VX fractional scanner. Focusing handpieces with spot sizes of 0.3 mm, 0.5 mm, 1.5 mm.
Lumenis						
UltraPulse ActiveFX	Fractional CO ₂	10,600 nm	1 – 225 mJ	< 1 ms	Contact mfr.	CoolScan handpiece delivers telecentric, collimated and UltraPulse mode with 1.3 mm spot size delivery system. 120 microns (0.12 mm) spot size delivery system with up to 2 mm penetration depth and 600 Hz. Collimated single spot handpiece, focused incisional handpieces, UltraFlex Wave Guides.
UltraPulse DeepFX	Fractional CO ₂	10,600 nm	2.5 – 50 mJ	< 1 ms	Contact mfr.	
UltraPulse TotalFX	Fractional CO ₂	10,600 nm	1 – 225 mJ	< 1 ms	Contact mfr.	
Lutronic						
eCO ₂	Fractional CO ₂	10,600 mm	2 – 240 mJ	0.2 – 9.50 ms	Contact mfr.	Intuitive and informative user interface, no consumables, dual mode operation, static and dynamic. Spot sizes: 120, 300 and 1,000 microns. Spot densities from 25 to 400 microns, repetition rate up to 200 Hz. Up to 14 x 14 mm scanning areas, multiple scanning shapes.
Mattioli Engineering						
Q Fractional	Fractional IPL	560 – 960 nm	30 J/cm ²	15 – 35 ms		Fractional filter 3 mm spots; all skin types; SR handpiece incl., lamp water cooling and low integrated contact cooling (Peltier). 1 sec shot speed; fast collagen regeneration.
Palomar						
StarLux 500 Platform						
Lux2940 Fractional	2940 Laser	2940 nm	N/A	N/A	Contact mfr.	
Lux1540 Fractional Laser handpiece	1540 Laser	1540 nm	Up to 70 mJ per microbeam	1 – 500	Contact mfr.	
LuxDeepIR Fractional Infrared handpiece	Infrared Light	850 – 1350 nm	Up to 175 J	2.5 – 10 sec	Contact mfr.	

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Sandstone Medical Technologies						
Matrix LS-25	CO ₂ Laser	10,600 nm	25 W	Adjustable to 100 ms	\$50,000	Ultrafine-FS fractional scanner, 150 mm focusing handpiece. Fractional scanner.
UltraFine-FS Fractional Scanner	Fractional Scanner (adapts to most CO ₂ lasers)	10,600 nm	N/A	N/A	\$19,995	
Sciton						
ProFractional-XC	Tunable Resurfacing Laser	2940 µm	Up to 400 J/cm ²	Variable	Contact mfr.	Expandable module.
ProFractional	Er:YAG	2940 µm	Up to 400 J/cm ²	Variable	Contact mfr.	Expandable module/density 1.5% to 30%.
Solta Medical						
Fraxel re:store	Erbium-Fiber Laser	1550 nm	4 – 70 mJ/MTZ	N/A	Contact mfr.	Intelligent Optical Tracking system (IOTS). Variable optical spot size using telescope. Maximizes lesion depth for a chosen pulse energy. Ergonomic handpiece and roller tip. Same as above.
Fraxel re:fine	Single Mode Fiber Laser	1410 nm	5 – 20 mJ/MTZ	N/A	Contact mfr.	
Fraxel re:pair	Fractional CO ₂ Laser	10,600 nm	5 – 70 mJ/MTZ	N/A	Contact mfr.	Built-in smokeless evacuation system. Intelligent Optical Tracking system (IOTS). Ergonomic handpiece and roller tip.
Syneron						
eMatrix Matrix Sublative Rejuvenation eMax Matrix Sublative Rejuvenation eLight Matrix Sublative Rejuvenation eLaser Matrix Sublative Rejuvenation	RF Electrical Energy	N/A	Up to 20 J	N/A	Contact mfr.	Spot size 12 x 12 mm, three year warranty.

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PRODUCT PROFILES



StarLux 500

The new StarLux® 500 laser and pulsed light system offers higher power and an unparalleled variety of aesthetic treatments including: fractional non-ablative skin resurfacing, permanent hair reduction, fractional skin tightening through soft tissue coagulation, photofacials for pigmented and vascular lesions, leg vein treatment and more. With 70% more power than previously available and built-in cooling, StarLux 500 delivers faster treatments, higher efficacy and superior safety and comfort.

Palomar: 800-PALOMAR (725-6627) or visit www.palomarmedical.com



ProFractional-XC and ProLipo PLUS

ProFractional-XC™ uses Tunable Resurfacing Laser (TRL) technology to ablate micro-channels for collagen stimulation as well as provide tunable coagulation as desired. The new collagen that forms as part of the body's wound healing response leads to striking improvements in wrinkles, scars, skin tone and texture. ProLipo PLUS™ is an effective adjunct to traditional liposuction – already a leading cosmetic surgical procedure. It can dramatically expand your practice by offering body contouring while firming the overlying skin.

Sciton: 650-493-9155 or visit www.sciton.com



VelaShape II

Syneron, Inc. introduces the new VelaShape II™, a class II device FDA cleared for both cellulite and circumferential reduction. VelaShape II is 20% more powerful than its predecessor, resulting in shorter treatment time, and features the CleverTerminal™ to further optimize clinical results. This device employs four treatment modalities: infrared light, radiofrequency, vacuum and massage. VelaShape II is an excellent non-surgical solution to meet the demand for safe and effective body treatments.

Syneron: 866-259-6661 or visit www.syneron.com