

# SKIN REJUVENATION COMPARISON CHART

Supplier Product Name	Device Type	Wavelength (nm)	Energy Output (Joules)	Pulse Length	Price	Accessories
<b>Advanced Technology Laser</b>						
AngeLite	IPL	560 – 1200 nm	3 – 36 J/cm <sup>2</sup>	4 – 6 ms	Contact mfr.	Spot size: 45.8 mm x 10.8 mm; one year warranty. Spot size: 19.4 cm x 6 cm x 5 cm; one year warranty.
CrystalLite	PDT	Blue 410 nm	5 – 40 mW/cm <sup>2</sup>	N/A	Contact mfr.	
<b>Aerolase</b>						
LightPod Era	Er:YAG	2940 nm	Up to 180 J	0.3 ms	\$49,000	New micro peel modality. Extended purchase plans available. No costly, messy sprays or disposables. Extended purchase plans available.
LightPod Neo XT	Nd:YAG	1064 nm	Up to 1,274 J	0.65 or 1.5 ms	\$49,500	
<b>Alma Lasers</b>						
Harmony <sup>XL</sup>	AFT Pulsed Light	515 – 950 nm	5 – 30 J/cm <sup>2</sup>	10, 12, 15 ms	Contact mfr.	SVL module, 40 x 16 mm spot, contact cooled version available, depot service. VP module, 40 x 16 mm spot, contact cooled version available, depot service. SR module, 40 x 16 mm spot, contact cooled version available, depot service. ST module, 40 x 16 mm spot, depot service. 1064 module. 1320 module.
		540 – 950 nm	5 – 25 J/cm <sup>2</sup>	10, 12, 15 ms		
		570 – 950 nm	5 – 30 J/cm <sup>2</sup>	10, 12, 15 ms		
	Near-Infrared Nd:YAG	780 – 950 nm	1 – 7 J/cm <sup>2</sup>	10, 30, 90 sec		
		1064 nm, 1320 nm	30 – 450 J/cm <sup>2</sup> , 5 – 40 J/cm <sup>2</sup>	10, 15, 45, 60 ms, 30, 40, 50 ms		
Pixel 2940	2940 nm	2,500 mJ/p	N/A	Pixel 2940 module.		
<b>Asclepion Laser Technologies</b>						
MeDioStar	Diode	808 nm	up to 170 J/cm <sup>2</sup>	up to 500 ms	Contact mfr.	10 and 12 mm spot sizes (standard); 4, 6 and 14 mm tips available; integrated skin cooling. Three handpieces for different body areas.
MeDioStar Effect Dermablate Effect TattooStar Effect	RF plus Laser / Acoustic Wave / IPL	N/A	N/A	N/A		
<b>Candela</b>						
Vbeam Aesthetica	Pulsed Dye	595 nm	Up to 20 J/cm <sup>2</sup>	0.45 – 40 ms	Contact mfr.	Spot sizes up to 10 mm, two pigmented lesion handpieces; unique, patented Dynamic Cooling Device, maximizing patient comfort and Tx efficacy.
Vbeam Perfecta	Pulsed Dye	595 nm	Up to 40 J/cm <sup>2</sup>	0.45 – 40 ms	Contact mfr.	
GentleLASE (Various models)	Alexandrite	755 nm	Up to 100 J/cm <sup>2</sup>	3 ms	Contact mfr.	Spot sizes 6–18 mm; unique, patented Dynamic Cooling Device, maximizing patient comfort and Tx efficacy.
Smoothbeam	Diode	1450 nm	Up to 25 J/cm <sup>2</sup>	210 ms	Contact mfr.	
GentleYAG (Various models)	Nd:YAG	1064 nm	Up to 600 J/cm <sup>2</sup>	0.25 – 300 ms	Contact mfr.	Spot sizes 1.5–18 mm; unique, patented Dynamic Cooling Device, maximizing patient comfort and Tx efficacy.
GentleMax Configurable Workstation	Alexandrite / Nd:YAG	755 nm / 1064 nm	Up to 600 J/cm <sup>2</sup>	0.25 – 300 ms	Contact mfr.	
SmoothPeel	Erbium:YAG	2940 nm	Max. energy 750 mJ 30 W (max)	2, 4, 6 Hz Pulse duration: 0.1 – 0.8 ms in increments of 0.1 ms, Fractional mode: 2.5 – 16 ms	Contact mfr.	Spot sizes 5 and 9 mm. No disposables.
QuadraLASE	CO <sub>2</sub>	10,600 nm			Contact mfr.	
<b>Cutera</b>						
Xeo Platform	Long Pulse Nd:YAG Long Pulse Nd:YAG Intense Pulsed Light	1064 nm 1064 nm Programmable: 520 – 1100 nm	Up to 300 J/cm <sup>2</sup> Up to 300 J/cm <sup>2</sup> 5 – 30 J/cm <sup>2</sup>	0.1 - 300 ms 0.1 - 300 ms Automatic based on program	Contact mfr. Contact mfr. Contact mfr.	Upgradable laser and light multi-application platform. No disposables. Variable spot size. No disposables. Adjustable wavelength based on skin type, vascularity and pigment. Large spot and high repetition rate. Real time calibration for consistent, accurate energy. 6.35 mm spot for minimum skin damage and pinpoint pigmentation Tx with powerful peak power.
1064 Vascular Laser Genesis Limelight						
AcuTip 500	Intense Pulsed Light	500 – 635 nm	3 – 24 J/cm <sup>2</sup>	Automatic based on program	Contact mfr.	Integrated smoke evacuator connector. Combination of ablation and coagulation for safety and full epidermal resurfacing. Real time calibration. Deep ablation – greater than 1 mm depth. Real time calibration. Smoke evacuator connector.
Pearl	Resurfacing Er:YSGG	2790 nm	1.5 – 3.5 J/cm <sup>2</sup>	0.3, 0.4, 0.5 ms	Contact mfr.	
Pearl Fractional	Fractional Er:YSGG	2790 nm	60 – 320 mJ per microspot	600 μs	Contact mfr.	Upgradable broadband light multi-application system. See Limelight above.
Solera Opus Platform	Intense Pulsed Light	Programmable: 520 – 1100 nm	5 – 30 J/cm <sup>2</sup>	Automatic based on program	Contact mfr.	
Limelight						
AcuTip 500	Intense Pulsed Light	500 – 635 nm	3 – 24 J/cm <sup>2</sup>	Automatic based on program	Contact mfr.	See AcuTip 500 above.
Titan	Infrared Light	1100 – 1800 nm	N/A	N/A	Contact mfr.	Deep dermal heating.

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<b>Cynosure, Inc.</b>						
Affirm	Nd:YAG with CAP Xenon Pulsed Light / Er:YAG	1440 nm / 1320 nm / 560 – 950 nm / 2940 nm	8 J/cm <sup>2</sup> / 14 J/cm <sup>2</sup> / 1 – 5 J/cm <sup>2</sup>	3 ms / 5 – 35 ms / 0.5 ms	Contact mfr.	SmartCool air cooling device. Compatible with Affirm workstation. Unique MultiPlex technology of 1440 nm and 1320 nm.
Affirm CO <sub>2</sub>	CO <sub>2</sub> 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).
Acclaim	Nd:YAG	1064 nm	10 – 600 J/cm <sup>2</sup>	0.4 – 300 ms	Contact mfr.	SmartCool air cooling. No disposable costs.
Cynosure PL	Pulsed Light	560 – 950 nm	3 – 30 J/cm <sup>2</sup>	5 – 50 ms	Contact mfr.	Spot sizes: 46 x 18 mm or 46 x 10 mm.
Elite	Alexandrite / Nd:YAG	755 nm / 1064 nm	7 – 50 J/cm <sup>2</sup> / 10 – 600 J/cm <sup>2</sup>	0.5 – 300 ms / 0.4 – 300 ms	Contact mfr.	SmartCool air cooling. Spot sizes 12 mm and 15 mm.
Elite MPX	Alexandrite / Nd:YAG / Xenon Pulsed Light	755 nm / 1064 nm / 530 – 950 nm	7 – 50 J/cm <sup>2</sup> / 15 – 600 J/cm <sup>2</sup> / Up to 40 J/cm <sup>2</sup>	0.5 – 300 ms / 0.5 – 300 ms / 5-35 ms	Contact mfr.	Patented MultiPlex technology, space saving integrated Zimmer cooling system; spot size: 1.5 mm to 18 mm. New graphical user interface.
Cynergy with XPL	Pulsed Dye / Nd:YAG / Intense Pulsed Light	595 nm / 1064 nm / 560 – 950 nm	2 – 40 J/cm <sup>2</sup> / 10 – 600 J/cm <sup>2</sup> / 16 J/cm <sup>2</sup> – 8.3 cm <sup>2</sup> , 30 J/cm <sup>2</sup> – 4.6 cm <sup>2</sup> , 30 J/cm <sup>2</sup> – 2.1 cm <sup>2</sup> handpieces	0.5 – 40 ms / 0.3 – 300 ms / 5 – 50 ms	Contact mfr.	SmartCool air cooling. Portable pulsed light air cooling module can be used separately.
Cynergy	Pulsed Dye / Nd:YAG	595 nm / 1064 nm	2 – 40 J/cm <sup>2</sup> / 10 – 600 J/cm <sup>2</sup>	0.5 – 40 ms / 0.3 – 300 ms	Contact mfr.	Air cooling.
Accolade	Q-switched Alexandrite	755 nm	Min. 2.8 J/cm <sup>2</sup> – max. 18 J/cm <sup>2</sup>	Minimum 50 ns	Contact mfr.	Four handpieces from 2 mm to 5 mm.
Affinity QS	Q-switched Nd:YAG	532 nm, 1064 nm	Min. 1.5 J/cm <sup>2</sup> – max. 28 J/cm <sup>2</sup>	6 ns	Contact mfr.	2 mm, 3 mm, 4 mm (optional) and 6 mm handpieces.
<b>DEKA Medical</b>						
SmartXide DOT	Fractional CO <sub>2</sub>	10.6 μm	300 W max.	200 μs - 80 ms	\$85,000	Articulated arm and touch control. Hi-scan scanner.
PhotoSilk Plus	Multi-application; YAG and Pulsed Light capabilities	1064 Nd:YAG, 2940 Nd:YAG, UPL (pulsed light)	UPL 4 – 32 J/cm <sup>2</sup> , 2.5 – 18 J/cm <sup>2</sup> / Er:YAG 2.4 – 15 J/cm <sup>2</sup> / Nd:YAG 20 – 225 J/cm <sup>2</sup>	UPL 3 - 2.5 ms (1-3 pulses) / Er:YAG 600 un, 1,000 un / Nd:YAG up to 6.6 ms, 25 ms	\$70,000 (2 handpieces)	Interchangeable handpieces.
MiniSilk FT	Pulsed Light system	500, 520, 550, 600, 650	2 – 2.5 J/cm <sup>2</sup>	3 – 8 ms (1-3 pulses)	\$35,000	Interchangeable snap-on filters.
Synchro HP	Multi-application system	1064 Nd:YAG, 2940 Er:YAG, Pulsed Light	700 J/cm <sup>2</sup> (max.) / 1500 J/cm <sup>2</sup> (max.) with optional hand-piece with a 1.5 mm diameter	0.2 ms - 300 ms	\$119,000 (1 UPL handpiece)	Interchangeable handpieces.
<b>Eclipse</b>						
EndyMed PRO	RF (reverse polarity)	RF with 3DEEP technology	180 J/cm <sup>2</sup>	30 sec	Contact Eclipse	3DEEP large handpiece for Tx on larger areas. 3DEEP medium handpiece designed for smaller areas such as neck. 3DEEP small handpiece and fine handpiece package treats wrinkles / rhytides on the neck and face, including forehead, temples, cheeks and under chin.
<b>Energist NA</b>						
UltraPlus VPL	Variable Pulsed Light	530-950 nm, 610-1020 nm, 415/630-950 nm, HE 530-950 nm	Up to 110 J/cm <sup>2</sup>	Variable	Contact mfr.	Two year warranty, training, three applicators, large 10x50 mm spot size for faster Tx. Square pulses, HE 110 J/cm <sup>2</sup> applicator option.
UltraLite VPL	Variable Pulsed Light	530-950 nm	Up to 30 J/cm <sup>2</sup>	Variable	\$29,995	10x50 mm spot size for faster Tx, square pulses, easily upgradable to 51 J.
iPulse I200+	Intense Pulsed Light	530-1200 nm	0-20 J/cm <sup>2</sup>	10-110 ms	\$24,995	Two year warranty, patented constant spectrum of light technology. 8.9 cm <sup>2</sup> spot size. Pre-programmed settings. Non-invasive, non-ablative, multiple Tx options. DEL technology.
ReGen	High Power LED	415 nm, 630 nm	Up to 150 mW/cm <sup>2</sup>	CW / Variable	\$19,995	Two year warranty, patented constant spectrum of light technology. 8.9 cm <sup>2</sup> spot size, pre-programmed settings.
i300	Intense Pulsed Light	530-1200 nm	0 – 20 J/cm <sup>2</sup>	10-50 ms (single), 10-20 ms on-time (triple), 7-30 ms off-time (Multiple Pulse Pattern Configuration)	\$24,995	
<b>Focus Medical</b>						
NaturaLight	Pulsed Light	530 – 1200 nm	Up to 50 J/cm <sup>2</sup>	Up to 500 ms	\$59,900	
NaturaLase Er	Er:YAG	2940 nm	Up to 24 J/cm <sup>2</sup>	350 ms	\$79,900	Fractional handpiece with system.
NaturaLase QS4	Q-switched Nd:YAG	1064 nm, 532 nm, 585 nm, 650 nm	1 J or 2 J	10 – 20 ns	\$98,900 to \$124,900	585 nm and 650 nm dye handpiece.
<b>Fotona</b>						
SP Dynamis	Long Pulse Nd:YAG / QCW Nd:YAG / Er:YAG	1064 nm / 2940 nm	Up to 600 J/cm <sup>2</sup> / up to 30 W / up to 95 J/cm <sup>2</sup>	0.1 - 50 ms / 0.1 – 2 ms / 0.1 – 1.5 ms	Contact mfr.	FDA pending F-Runner fractal scanner: 0.25 mm pixel, 12x14 mm scan area and S-Runner scanner: 4 mm spot, 40x40 mm scan area. Pixel Screen handpieces. Spot sizes: Er:YAG: 0.5-12 mm. Nd:YAG: 2-10 mm; S-11 scanner: 42 cm <sup>2</sup> Tx area. Surgical kits; bare silica fibers: 600 μm core size. Variable Square Pulse (VSP) and Energy Feedback Control (EFC) supported.

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<b>Fotona (continued)</b>						
SP Plus	Nd:YAG / Er:YAG	1064 nm / 2940 nm	Up to 600 J/cm <sup>2</sup> , 50 J / up to 3,000 mJ	0.1 – 300 ms / 0.1 – 1.5 ms	Contact mfr.	Nd:YAG spot sizes: 2-12 mm; S-11 scanner: 42 cm <sup>2</sup> Tx area. Er:YAG spot sizes: 0.5-12 mm; Pixel Screen handpieces; VSP and EFC supported.
SP Dualis	Nd:YAG / Er:YAG	1064 nm / 2940 nm	Up to 400 J/cm <sup>2</sup> , 20 J / up to 3,000 mJ	5 – 200 ms / 0.1 – 1.5 ms	Contact mfr.	Nd:YAG spot sizes: 2-8 mm; scanner: 42 cm <sup>2</sup> Tx area. Er:YAG spot sizes: 0.5-12 mm; Pixel Screen handpieces; VSP and EFC supported.
XS Dynamis	Er:YAG	2940 nm	Up to 95 J/cm <sup>2</sup>	0.1 – 1.5 ms	Contact mfr.	FDA pending F-Runner fractal scanner: 0.25 mm pixel, 12x14 mm scan area and S-Runner scanner: 4 mm spot, 40x40 mm scan area. Pixel Screen handpieces; Er:YAG spot sizes: 0.5-12 mm. VSP and EFC supported.
XS Dualis	Er:YAG	2940 nm	Up to 3,000 mJ	0.1 – 1.5 ms	Contact mfr.	Spot sizes: 0.5-12 mm; Pixel Screen handpieces; VSP and EFC supported.
XS Fidelis	Er:YAG	2940 nm	Up to 1,000 mJ	0.1 – 1.5 ms	Contact mfr.	Spot sizes: 0.5-7 mm; Pixel Screen handpieces for fractional Tx; VSP and EFC supported.
XP MAX	Nd:YAG	1064 nm	Up to 600 J/cm <sup>2</sup> , 120 J	0.1 – 300 ms	Contact mfr.	Spot sizes: 2-20 mm; S-11 scanner: 42 cm <sup>2</sup> Tx area; 3 mm, 6 mm, 9 mm spot sizes; VSP and EFC supported.
XP Plus	Nd:YAG	1064 nm	Up to 600 J/cm <sup>2</sup> , 50 J	5 – 200 ms	Contact mfr.	Spot sizes: 2-10 mm; S-11 scanner: 42 cm <sup>2</sup> Tx area; VSP and EFC supported.
XP Dualis	Nd:YAG	1064 nm	Up to 400 J/cm <sup>2</sup> , 20 J	5 – 200 ms	Contact mfr.	Spot sizes: 2-8 mm; scanner: 35x60 mm Tx area; VSP and EFC supported.
QX MAX	Q-switched Nd:YAG / Q-switched KTP / Q-switched red / Q-switched yellow / Accelera Nd:YAG	1064 nm, 532 nm, 585 nm, 650 nm	1,600 mJ/pulse / 600 mJ/pulse / 220 mJ/pulse / 340 mJ/pulse / 5 J (Accelera)	5 – 20 ns (single pulse QS); 250 µs (Accelera)	Contact mfr.	4 wavelengths to remove tattoo pigments. Spot sizes: 2-8 mm (Accelera / QS Nd:YAG / KTP); 2-4 mm (QS red / yellow). OPTOflex articulated arm; OPTOflex Vacuum Cell and EFC supported.
XP-2 Focus	Nd:YAG (QCW / Long Pulse)	1064 nm	30 W / up to 300 J/cm <sup>2</sup>	0.1 – 2 ms / 0.1 – 50 ms	Contact mfr.	Pending FDA approval. Surgical kits. Bare silica fibers: 200, 300, 600 µm core sizes. Spot sizes: 2-8 mm; VSP and EFC supported.
XP Fidelis	Nd:YAG	1064 nm	Up to 300 J/cm <sup>2</sup> , 10 J	5 – 50 ms	Contact mfr.	Spot sizes: 2-8 mm, VSP and EFC supported.
<b>Genesis Biosystems</b>						
AccelaWave Pulsed Light System	Intense Pulsed Light	420 nm, 510 nm, 560 nm, 640 nm, 695 nm, 755 – 1200 nm	Up to 50 J/cm <sup>2</sup>	Variable, with micro-pulsing	Contact mfr.	Rolling stand, filters, footswitch, protective eyewear and eye shields, on-site training and cert. One year warranty; extended warranty avail.
AccelaFuze Combination Therapy System	LED / Topical Infusion	420 nm, 590 nm, 627 nm	135 mW/cm <sup>2</sup>	500 ms, pulsed	Contact mfr.	Handpiece and Tx tips, five infusion solution canisters, custom stand with storage, Dermacel peptide serums, filters, footswitch, protective eye shields, CoolBreeze Airflow, on-site training and cert., three year warranty.
<b>HOYA ConBio</b>						
RevLite	EO Q-switched Nd:YAG with PhotoAcoustic Technology Pulse (PTP)	1064 nm, 532 nm, 585 nm, 650 nm	Up to 12 J/cm <sup>2</sup>	5 – 20 ns	Contact mfr.	PurpuraLite exclusive chromophore clearing compression tool; MultiLite handpieces for 585 and 650 nm converted wavelengths; MultiSpot handpiece offering four spot sizes from 2-8 mm.
MedLite C6	EO Q-switched Nd:YAG	1064 nm, 532 nm, 585 nm, 650 nm	Up to 12 J/cm <sup>2</sup>	5 – 20 ns	Contact mfr.	Same as above.
<b>IRIDEX</b>						
VariLite	KTP / Diode	532 nm / 940 nm	950 J/cm <sup>2</sup> / 900 J/cm <sup>2</sup>	5 – 100 ms	\$54,500	0.7, 1.0, 2.0 mm handpieces, optional 14 mm ScanLite <sup>XP</sup> scanner and optional ClearView 3.
DioLite <sup>XP</sup>	KTP	532 nm	950 J/cm <sup>2</sup>	5 – 100 ms	\$42,500	0.5, 0.7, 1.0 mm handpieces, optional ScanLite <sup>XP</sup> scanner and optional ClearView 3.
Venus-i	Er:YAG	2940 nm	200 – 2,000 mJ	300 ms	\$67,500	Lens cell handpiece: 1, 3, 5, 7 mm.
Gemini	KTP / Nd:YAG	532 nm / 1064 nm	Up to 100 J/cm <sup>2</sup> / up to 990 J/cm <sup>2</sup>	10 – 100 ms	Contact mfr.	VersaStat i 1-5 mm cont. adjustable handpiece, VersaStat i 10 mm fixed handpiece, optional DermStat 1 mm and DermStat 2 (KTP only), optional ClearView 3.
<b>LASERING<sup>USA</sup></b>						
MiXto SX	CO <sub>2</sub>	10.6 nm	0.5 – 30 W	2.5 – 16 ms	Contact mfr	Patent pending, 300 micron spot scanner for optimal heat delivery and collagen production. 5% to 40% density adj. Optional 180 micron spot scanner for deep ablation and skin tightening.
Velure S5 MiXto VX	Diode	532 nm	0.1 – 5 W	10 – 1,000 ms	Contact mfr	MiXto VX fractional scanner. Focusing handpieces with spot sizes of 0.3 mm, 0.5 mm, 1.5 mm.
Velure S5	Diode	532 nm	0.1 – 5 W	10 – 1,000 ms	Contact mfr	Focusing handpieces with spot sizes of 0.3 mm, 0.5 mm, 1.5 mm.
<b>Lumenis</b>						
Elora	Intense Pulsed Light	570 – 1200 nm	Up to 22 J/cm <sup>2</sup>	N/A	Contact mfr.	Spot size 20 x 30 mm crystal, 33 Hz.

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<b>Lumenis (continued)</b>						
IPL Quantum SR	Intense Pulsed Light	560 – 1200 nm	15 – 45 J/cm <sup>2</sup>	6 – 26 ms	Contact mfr.	Upgradable to hair removal, deep vascular lesions, leg veins and tattoo removal. Spot size: 34 x 8 mm. Optional 590 and 640 nm heads for rejuvenation.
Lumenis One	Intense Pulsed Light	515 – 1200 nm	10 – 40 J/cm <sup>2</sup>	3 – 100 ms	Contact mfr.	Multi-application, multi-technology platform. Upgradable, expandable, 7 IPL filters, Optimal Pulse Technology for multiple sequential pulsing, optimized presets and patient database, spot sizes IPL: 15 x 35 mm and 8 x 15 mm, Nd:YAG: 2 x 4, 6 and 9 mm, LightSheer 9 x 9 mm.
Aluma UltraPulse	Nd:YAG / LightSheer Diode Bi-polar RF Fractional CO <sub>2</sub>	1064 nm / 800 nm RF 10,600 nm	10 – 225 J/cm <sup>2</sup> / 10 – 100 J/cm <sup>2</sup> 2 – 20 W 1 – 225 mJ	2 – 20 ms / 5 – 400 ms 1 – 5 sec < 1 ms	Contact mfr. Contact mfr.	Aluma tips: 6 x 25 mm and 3 x 18 mm. CoolScan handpiece delivers telecentric, collimated and UltraPulse mode with 1.3 mm spot size delivery system. DeepFX micro-scanner with .12 mm spot size delivery system, up to 2 mm penetration depth and 600 Hz. Collimated single spot handpiece, focused incisional handpieces, UltraFlex Wave Guides.
M22	Modular / Plug and Play / IPL	515 - 1200 nm	N/A	4 - 20 ms	Contact mfr.	Optimum Pulse Technology (OPT), multiple sequential pulsing, continuous contact cooling with SapphireCool light guides: 15 mm x 35 mm, 8 mm x 15 mm. ExpertFilters: 515, 560, 590, 615, 640 and 695 nm.
<b>Lutronic, Inc.</b>						
MOSAIC	Er:Glass	1550 nm	4 – 70 mJ	N/A	Contact mfr.	Multiple treatment tips. Controlled Chaos Scanning Technology.
Spectra VRM III	Q-switched Nd:YAG	532 nm, 585 nm, 650 nm, 1064 nm	Up to 1.5 J	5 – 7 ns, 300 ms	Contact mfr.	One year warranty, Spectra Peel for rejuvenation. Tattoo removal.
eCO2	Fractional CO <sub>2</sub>	10.6 mm	2 – 240 mJ	0.2 – 9.50 ms	Contact mfr.	
<b>Palomar</b>						
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.	
LuxG handpiece	Pulsed Light	500 – 670 nm, 870 – 1400 nm	Up to 70 J/cm <sup>2</sup>	1 – 500	Contact mfr.	
<b>Quanta System</b>						
Ultrawave 1064	Nd:YAG Long Pulse Nd:YAG Short Pulse	1064 nm 1064 nm	Up to 500 J/cm <sup>2</sup> Up to 46 J/cm <sup>2</sup>	3 – 300 ms 0.3 – 0.8 ms	Contact mfr.	Air system for cooling. Alexandrite 755 nm: spot sizes up to 16 mm; rep. rate up to 2 Hz. Nd:YAG 1064 nm long pulse: spot sizes 2–4.5 mm and 6–12 mm; rep. rate up to 2 Hz. Nd:YAG 1064 nm short pulse: spot sizes up to 6 mm; rep. rate up to 7 Hz. Nd:YAG F.D. 532 nm long pulse: spot sizes up to 6 mm. 1320 nm is an option of Ultrawave II and III.
Ultrawave I	Nd:YAG Long Pulse Nd:YAG Short Pulse	1064 nm 1064 nm	Up to 500 J/cm <sup>2</sup> Up to 46 J/cm <sup>2</sup>	3 – 300 ms 0.3 – 0.8 ms	Contact mfr.	
Ultrawave II	Nd:YAG F.D. Alexandrite	532 nm 755 nm	Up to 90 J/cm <sup>2</sup> Up to 120 J/cm <sup>2</sup>	5 – 25 ms 3 – 100 ms	Contact mfr.	
Ultrawave III	Nd:YAG Long Pulse Nd:YAG Short Pulse Alexandrite	1064 nm/1320 nm 1064 nm 755 nm	Up to 500 J/cm <sup>2</sup> Up to 46 J/cm <sup>2</sup> Up to 120 J/cm <sup>2</sup>	3 – 300 ms 0.3 – 0.8 ms 3 – 100 ms	Contact mfr.	
Q-Plus T	Nd:YAG Long Pulse Nd:YAG Short Pulse Nd:YAG F.D.	1064 nm/1320 nm 1064 nm 532 nm	Up to 500 J/cm <sup>2</sup> Up to 46 J/cm <sup>2</sup> Up to 90 J/cm <sup>2</sup>	3 – 300 ms 0.3 – 0.8 ms 5 – 25 ms	Contact mfr.	Rep. rate up to 10 Hz. OptiBeam squared profile of 2x2, 3x3, 4x4, 5x5, 6x6 mm.
Q-Plus A	Q-switched Nd:YAG + Q-switched Ruby	532 nm 1064 nm 694 nm	Up to 12.5 J/cm <sup>2</sup> Up to 22.5 J/cm <sup>2</sup> Up to 23 J/cm <sup>2</sup>	6 ns 30 ns 6 ns	Contact mfr.	
Q-Plus B	Q-switched Nd:YAG	532 nm / 1064 nm	Up to 12.5 J/cm <sup>2</sup> / up to 22.5 J/cm <sup>2</sup> Up to 16 J/cm <sup>2</sup> / up to 37 J/cm <sup>2</sup>	6 ns	Contact mfr.	
Q-Plus C	Ruby Q-switched	694 nm	Up to 11 J/cm <sup>2</sup>	30 ns	Contact mfr.	
Eterna Giovinezza	Pulsed Light	570 – 1200 nm	Up to 40 J/cm <sup>2</sup>	3 – 240 ms	Contact mfr.	Pulsed light handpieces available at 400–1200, 550–950, 570–1200, 590–1200, 625–1200 and 650–1200 nm.
Eterna Giovinezza Plus	Pulsed Light	570 – 1200 nm / 625 – 1200 nm	Up to 40 J/cm <sup>2</sup>	3 – 240 ms	Contact mfr.	
Eterna Giovinezza Compact (table top)	Pulsed Light	570 – 1200 nm	Up to 40 J/cm <sup>2</sup>	3 – 240 ms	Contact mfr.	
<b>Quantel Derma GmbH</b>						
ARAMIS	Er:Glass	1540 nm	Up to 126 J/cm <sup>2</sup>	3.3 ms	Contact mfr.	Integrated skin cooling.
BURANE	Er:YAG	2940 nm	Up to 2 J (XL up to 2.5 J)	350 μs (XL 350 μs up to 260 ms)	Contact mfr.	Optional fractional handpieces FX4 and FX12.
LEDA SCR 585 yellow	LED	585 nm	Up to 35 mW/cm <sup>2</sup>	Pulsed and CW	Contact mfr.	Treatment screen for platform system LEDA.
MYDON	Nd:YAG	1064 nm	Up to 600 J/cm <sup>2</sup>	0.5 – 90 ms	Contact mfr.	Spot sizes: 1.5, 3, 5 mm, integrated skin cooling, optional handpiece for hair removal, optional fiber for endoluminal laser therapy.
IDAS	LBO	532 nm	8 W	2 – 1,000 ms, pulsed and CW	Contact mfr.	Spot sizes: 0.2, 0.5, 0.7, 1 and 2; optional accessories for ENT surgery and endoluminal treatments.

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# SKIN REJUVENATION COMPARISON CHART

Supplier Product Name	Device Type	Wavelength (nm)	Energy Output (Joules)	Pulse Length	Price	Accessories
<b>Quantel Derma GmbH (continued)</b>						
SINON	QS Ruby	694 nm	Up to 14 J/cm <sup>2</sup>	20 ms	Contact mfr.	Spot sizes: 3, 4, 5 and 6; optional 3 mm Soft Spot for darker skin types. Chill tip (down to 5° C) handpiece 15 x 40 mm, multi-application platform, dual filtering.
PROLITE III	Pulsed Light	550 – 1100 nm	Up to 30 J/cm <sup>2</sup>	10 – 120 ms single pulse; dual pulse capability	Contact mfr.	
<b>Sandstone Medical Technologies</b>						
Whisper-NG	Er:YAG	2940 nm	6 J/cm <sup>2</sup>	300 µs	\$35,000	6 mm handpiece, 3 mm handpiece optional. Ultrafine-FS Fractional Scanner, 150 mm focusing handpiece.
Matrix LS-25	CO <sub>2</sub> Laser	10,600 nm	25 W	Adjustable to 100 ms	\$50,000	
<b>Sciton</b>						
JOULE	Nd:YAG / Er:YAG / BroadBand Light	Various	Up to 400 J/cm <sup>2</sup>	0.1 – 200 ms, 1 – 10 sec	Contact mfr.	Configurable up to nine modules.
ClearScan	Nd:YAG module	1064 nm	Up to 400 J/cm <sup>2</sup>	0.3 – 200 ms	Contact mfr.	Computerized scanner; 30 x 30 mm Tx; integrated cooling.
Contour TRL	Tunable Resurfacing Laser (TRL)	2940 nm	Up to 40 W	0.1 – 50 ms	Contact mfr.	Computerized scanner, smart user interface, MicroLaserPeel, Tunable Resurfacing Laser.
ThermaScan	Nd:YAG module	1319 nm	Up to 30 J/cm <sup>2</sup>	10 – 200 ms	Contact mfr.	Computerized scanner; 30 x 30 mm Tx; integrated cooling.
BBL	BroadBand Light module	420 – 1400 nm	Up to 30 J/cm <sup>2</sup>	Up to 200 ms	Contact mfr.	SkinTyte, 420, 515, 560, 590, 640, 695 filters. 15 x 45 mm and 15 x 15 mm spot sizes, integrated cooling.
BBLs	BroadBand Light	420 – 1400 nm	Up to 30 J/cm <sup>2</sup>	Up to 200 ms	Contact mfr.	Table top system, SkinTyte, 420, 515, 560 590, 640, 695 filters, 15 x 45 mm and 15 x 15 mm spot sizes, integrated cooling.
ProFractional-XC	Tunable Resurfacing Laser (TRL)	2940 nm	Up to 400 J/cm <sup>2</sup>	Variable for desired ablation and coagulation	Contact mfr.	Expandable module.
ProFractional	Er:YAG	2940 nm	Up to 400 J/cm <sup>2</sup>	Variable for desired effect	Contact mfr.	Expandable module / density 1.5% – 30%.
<b>SharpLight</b>						
Beamax	Intense Pulsed Light	580-950 nm (DPC)	5-20 J/cm <sup>2</sup>	10-15 ms	Contact mfr.	Includes SR580 HP. Multi-technology platform, skin cooling with DPC forming. Spot sizes: 6.4 cm <sup>2</sup> , 1.5 cm <sup>2</sup> ; three MaxRF heads.
Formax Plus	DPC (Dynamic Pulse Control)	580-950 nm	Up to 30 J/cm <sup>2</sup>	10, 12, 15, 20, 25 ms	Contact mfr.	
Omnimax	Multi-Polar RF DPC Infrared Light Er:YAG Multi-Polar RF	580-950 nm 850-1750 nm 2940 nm	10-40 W Up to 30 J/cm <sup>2</sup> 5-80 J/cm <sup>2</sup> 0.2-1.2 J/cm <sup>2</sup> 10-50 W	10, 12, 15, 20, 25 ms 2-6 sec 0.3-1.5 ms	Contact mfr.	Multi-technology platform combines laser, RF, IR. Skin cooling with DPC forming. Spot sizes: 6.4 cm <sup>2</sup> , 1.5 cm <sup>2</sup> , 3.4 cm <sup>2</sup> ; six MaxRF heads.
<b>Solta</b>						
Fraxel re:fine	Single Mode Fiber Laser	1410 nm	5 – 20 mJ/MTZ	N/A	Contact mfr.	Intelligent Optical Tracking system (IOTS) adjusts to hand speed and ensures uniform Tx. Maximized lesion depth for chosen pulse energy. Variable optical spot size using telescope. Zimmer cooling integrated into handpiece.
Fraxel re:pair	Fractional CO <sub>2</sub> 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.
Fraxel re:store DUAL	Dual Erbium Fiber and Thulium Fiber Laser	1550 nm, 1927 nm	1550 nm – up to 70 mJ/MTZ 1927 nm – up to 20 mJ/MTZ	N/A	Contact mfr.	Same as Fraxel re:fine
<b>Syneron</b>						
eMax/eLight SR	Optical Energy / RF Electrical Energy	580 – 980 nm	Up to 45 J/cm <sup>2</sup> / Up to 25 J/cm <sup>3</sup>	N/A	Contact mfr.	12 x 25 mm spot size. Three year warranty.
eMax/eLight SRA	Optical Energy / RF Electrical Energy	470 – 980 nm	Up to 45 J/cm <sup>2</sup> / Up to 25 J/cm <sup>3</sup>	N/A	Contact mfr.	Same as above.
eMax/eLaser WRA	Diode / RF Electrical Energy	900 nm	Up to 50 J/cm <sup>2</sup> / Up to 100 J/cm <sup>3</sup>	N/A	Contact mfr.	12 x 8 mm spot size. Three year warranty.
<b>Viora</b>						
TRIOS	IPL	570 – 1200 nm	Up to 22 J/cm <sup>2</sup>	25 ms	\$24,900 for all three handpieces	Practitioner goggles, client brochures and poster, marketing support program.
Axiom	IPL	520 – 1200 nm	Up to 39 J/cm <sup>2</sup> with .5 J/cm <sup>2</sup> increments	Adj. 25 - 75 ms with 1 ms steps (single mode); 2.2 - 12.5 ms with 0.1 ms steps (pulsed mode)	Contact mfr.	Same as above plus hygiene rings, spot sizes 50 x 25 mm (12.5 cm <sup>2</sup> ), 35 x 15 mm and 20 x 10 mm.

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