

HAIR REMOVAL COMPARISON CHART

Supplier Product Name	Device Type	Wavelength (nm)	Energy Output (Joules)	Pulse Length	Price	Accessories
Aerolase LightPod Neo XT	Nd:YAG	1064 nm	Up to 1274 J	0.65 ms or 1.5 ms	\$49,500	Portable (22 lbs.), powerful and pain free. No costly disposables or service calls required.
Alma Lasers Soprano ^{XL}	CW Diode	810 nm	Up to 120 J/cm ²	10 – 1350 ms	Contact mfr.	Combining both the Super Hair Removal Mode, for virtually painless Tx, and traditional higher fluence hair removal.
Harmony ^{XL}	AFT Pulsed Light	650 – 950 nm	5 – 20 J/cm ² , 1 – 6 J/cm ²	30, 40, 50 ms, 1, 3, 30 ms	Contact mfr.	SHR module, virtually painless hair removal, 40 x 16 mm spot size, depot service.
Candela GentleLASE (Various Models)	Alexandrite	755 nm	Up to 100 J/cm ²	3 ms	Contact mfr.	Spot sizes 6-18 mm; unique, patented Dynamic Cooling Device, maximizing patient comfort and Tx efficacy.
GentleYAG (Various Models)	Nd:YAG	1064 nm	Up to 600 J/cm ²	0.250 – 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 ²	0.250 - 300 ms	Contact mfr.	Spot sizes 1.5 – 18 mm; unique, patented Dynamic Cooling Device, maximizing patient comfort and Tx efficacy and air cooling. Upgradable.
Cutera CoolGlide CV	Nd:YAG	1064 nm	10 – 100 J	10 – 100 ms	Contact mfr.	Treats all skin types and tanned skin. No disposable costs.
Xeo	Long Pulse Nd:YAG / Infrared	1064 nm / Prog. wavelength	Up to 300 J / 5 – 35 J	0.1 – 300 ms / Auto by program	Contact mfr.	Removes fine and coarse hair safely. Spot size 10 mm (or 10x30 mm). Real time calibration. Upgradable in the field.
Solera Opus	Infrared	Prog. wavelength	5 – 35 J	Variable over fluence range	Contact mfr.	Fast treatment speeds at therapeutic fluences. Real time calibration. No numbing cream or gel required.
Cynosure, Inc. Apogee Elite	Alexandrite	755 nm	25 – 50 J/cm ²	0.5 – 300 ms	Contact mfr.	SmartCool air cooling. Spot sizes: 1.5 mm, 12 mm and 15 mm.
Elite MPX	Alexandrite / Nd:YAG	755 nm / 1064 nm	7 – 50 J/cm ² / 10 – 600 J/cm ²	0.5 – 300 ms / 0.4 – 300 ms	Contact mfr.	
Acclaim	Alexandrite / Nd:YAG / Xenon Pulsed Light	755 nm / 1064 nm / 530-1200 nm	7 – 40 J/cm ² / 5 – 600 J/cm ² / 40 J/cm ² – 5 cm ²	.5 – 300 ms / .5 – 300 ms / 5 – 35 ms	Contact mfr.	
Cynosure PL	Nd:YAG Pulsed Light	1064 nm	10 – 600 J/cm ²	0.4 – 300 ms	Contact mfr.	
DermaMed International, Inc. Quadra Q4 Platinum Series	Intense Pulsed Light	500 – 1200 nm	Up to 20 J/cm ²	10 – 110 ms	\$49,500	Patented low voltage technology. One multi-pulsing handpiece for hair removal, pigmented/vascular lesions and acne. Pre-programmable settings.
Quadra Q4 Gold Series	Intense Pulsed Light	500 – 1200 nm	Up to 20 J/cm ²	10 – 110 ms	\$39,500	
Quadra Q4 Silver Series DermaYAG	Intense Pulsed Light Nd:YAG	500 – 1200 nm / 1064 nm	Up to 20 J/cm ² / 15 – 300 J/cm ²	10 – 110 ms / 150 ms	\$29,500 / \$49,900	
Focus Medical NaturaLight	Pulsed Light	640 – 1200 nm	Up to 50 J/cm ²	Up to 500 ms	\$59,900	Forced air cooling system.
NaturaLase LP	Long Pulse Nd:YAG	1064 nm	65 J	Up to 100 ms	\$72,500	
Fotona XP MAX	Nd:YAG	1064 nm	Up to 600 J/cm ² , 120 J	0.1 – 300 ms	Contact supplier	Handpiece with spot sizes from 2 to 20 mm; S-11 scanner with 42 cm ² Tx area, 3, 6 and 9 mm scanner spot sizes; Variable Square Pulse (VSP) and Energy Feedback Control (EFC) technology supported.
XP Plus	Nd:YAG	1064 nm	Up to 600 J/cm ² , 50 J	5 – 200 ms	Contact supplier	Handpiece with spot sizes from 2 to 10 mm; S-11 scanner with 42 cm ² Tx area; VSP and EFC technology supported.
SP Plus	Nd:YAG / Er:YAG	1064 nm / 2940 nm	Up to 600 J/cm ² , 50 J / up to 3,000 mJ	Up to 300 ms / 0.1 – 1.5 ms	Contact supplier	Nd:YAG handpiece with spot sizes from 2 to 12 mm; S-11 Nd:YAG scanner with 42 cm ² Tx area; Er:YAG handpieces: spot sizes from 0.5 to 12 mm and Pixel Screen Technology handpieces; VSP and EFC technology supported.
XP Dualis	Nd:YAG	1064 nm	Up to 400 J/cm ² , 20 J	5 – 200 ms	Contact supplier	Handpiece with spot sizes from 2 to 8 mm; scanner with 35 x 60 mm Tx area; VSP and EFC technology supported.
SP Dualis	Nd:YAG / Er:YAG	1064 nm / 2940 nm	Up to 400 J/cm ² , 20 J / up to 3,000 mJ	5 – 200 ms / 0.1 – 1.5 ms	Contact supplier	Nd:YAG handpiece: spot sizes from 2 to 8 mm; Nd:YAG scanner with 35 x 60 mm Tx area; Er:YAG handpieces: spot sizes from 0.5 to 12 mm and Pixel Screen Technology handpieces; VSP and EFC technology supported.
XP-2 Focus	Nd:YAG (QCW and Long Pulse)	1064 nm	30 W (QCW) / up to 300 J/cm ² (LP)	0.1 – 2 ms (QCW) / 0.1 – 50 ms (LP)	Contact supplier	Surgical kits. Bare silica fibers with 200, 300 and 600 μm core sizes. Handpiece with spot sizes from 2 to 8 mm, VSP and EFC technology supported. Pending FDA approval.

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Fotona (continued)						
XP Fidelis	Nd:YAG	1064 nm	Up to 300 J/cm ² , 10 J	5 – 50 ms	Contact supplier	Handpiece with spot sizes from 2 to 8 mm, VSP and EFC technology supported. Four wavelengths to remove a complete spectrum of tattoo pigments. Accelera, QS Nd:YAG and QS KTP handpieces: spot sizes from 2 to 8 mm; QS red and QS yellow handpieces: from 2 to 4 mm; OPTOflex articulated arm and OPTOflex vacuum cell and EFC technology supported. Pending FDA approval.
Fotona QX MAX	Q-switched Nd:YAG / Q-switched KTP / Q-switched red / Q-switched yellow / Accelera	1064 nm, 532 nm, 585 nm, 650 nm	1600 mJ/pulse / 600 mJ/pulse / 220 mJ/pulse / 340 mJ/pulse / 5 J (Accelera)	5 – 20 ns (single pulse QS); 250 μs (Accelera)	Contact supplier	
HOYA ConBio						
RevLite	EO Q-switched Nd:YAG with PhotoAcoustic Technology Pulse (PTP)	1064 nm, 532 nm	Up to 12 J/cm ²	5 – 20 ns	Contact mfr.	MultiSpot handpiece offering four spot sizes from 2 – 8 mm.
MedLite C6	EO Q-switched Nd:YAG	1064 nm, 532 nm	Up to 12 J/cm ²	5 – 20 ns	Contact mfr.	Same as above.
Lumenis						
LightSheer Duet with LightSheer ET and LightSheer HS	Diode	800 nm	LightSheer ET: 10 – 100 J/cm ² LightSheer HS: 4.5 – 12 J/cm ²	LightSheer ET: 5 – 400 ms LightSheer HS: 30 – 400 ms	Contact mfr.	LightSheer ET: ChillTip, 9x9 mm spot, up to 3 Hz, field replaceable. LightSheer HS: 22x35 mm spot, vacuum assisted technology, up to 3 Hz, field replaceable.
LightSheer ET LightSheer XC IPL Quantum SR or DL with HR upgrade	Diode Diode Intense Pulsed Light	800 nm 800 nm 695 – 1200 nm	10 – 100 J/cm ² 10 – 100 J/cm ² 20 – 45 J/cm ²	5 – 400 ms 5 – 400 ms 6 – 18 ms	\$79,900 \$124,900 \$84,900	ChillTip handpiece. 9 x 9 mm spot. ChillTip handpiece. 12 x 12 mm spot. Upgrade for IPL Quantum DL or SR, spot size 34 x 8 mm, optional 755 – 1200 nm head.
Lumenis One	Intense Pulsed Light Nd:YAG	515 – 1200 nm 1064 nm	10 – 40 J/cm ² 10 – 225 J/cm ²	3 – 100 ms 2 – 20 ms	(Prices for individual configs. vary)	Multi-technology, multi-application platform. Optimized presets and comprehensive patient database. Spot sizes IPL: 15 x 35 mm and 8 x 15 mm, Nd:YAG: 3, 6, 9 mm, LightSheer: 9 x 9 mm.
Elora	LightSheer Diode IPL	800 nm 570 – 1200 nm	10 – 100 J/cm ² Up to 22 J/cm ²	5 – 400 ms N/A	Contact mfr.	Spot size of 20 x 30 mm crystal, 33 Hz.
Palomar						
StarLux 500 Platform	Pulsed Light	525 – 1200 nm	Up to 80 J	5 – 500	Contact mfr.	Active contact cooling.
Quantel Derma GmbH						
LEDA EPI 808	Diode	808 nm	Up to 60 J/cm ²	6 – 40 ms		Spot sizes: 12x50 and 12x12 mm, external skin cooling, short pulses at therapeutic fluences, platform system LEDA.
LEDA EPI 980 ARION	Diode Alexandrite	980 nm 755 nm	Up to 80 J/cm ² Up to 40 J/cm ²	6 – 40 ms 5 – 140 ms		Same as above. Handpiece (standard) up to 16 mm, scanner (optional) up to 60x65 mm.
Sciton						
JOULE	Nd:YAG / Er:YAG / Broadband Light	Various	Up to 400 J/cm ²	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 ²	3 – 200 ms	Contact mfr.	Computerized scanner; 30 x 30 mm Tx; integrated cooling.
BBL	Broadband Light module	420 nm – 1400 nm	Up to 30 J/cm ²	Up to 200 ms	Contact mfr.	15 x 45 mm, 15 x 15 mm spot sizes, smart filters, integrated cooling.
BBLs	Broadband Light	420 – 1400 nm	Up to 30 J/cm ²	Up to 500 ms	Contact mfr.	Table top system. SkinTyte 420, 515, 560, 590, 640, 695 filters, 15 x 45 and 15 x 15 spot sizes, precision cooling, three year warranty.
Syneron						
eMax/eLaser DSL	Diode / RF Electrical Energy	810 nm	Up to 50 J/cm ² / Up to 50 J/cm ³	N/A	Contact mfr.	15 x 12 mm spot size. Three year warranty.
eMax/eLight DS	Optical Energy / RF Electrical Energy	600 – 980 nm	Up to 45 J/cm ² / Up to 25 J/cm ³	N/A	Contact mfr.	25 x 12 mm spot size. Three year warranty.

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