

HAIR REMOVAL COMPARISON CHART

Supplier Product Name	Device Type	Wavelength (nm)	Energy Output (Joules)	Pulse Length	Price	Accessories
Advanced Technology Laser						
AngeLite	IPL	700 – 1200 nm	3 – 36 J/cm ²	4 – 6 ms	Contact mfr.	Spot size: 45.8 mm x 10.8 mm; one year warranty. One year warranty.
Mini Laser	IPL	700 – 1200 nm	5 – 18 J/cm ²	5 – 60 ms	Contact mfr.	
Aerolase						
LightPod Neo XT	Nd:YAG	1064 nm	Up to 1,274 J	0.65 or 1.5 ms	\$49,500	No costly, messy sprays or disposables. Extended purchase plans available.
Alma Lasers						
Soprano ^{XL}	CW Diode	810 nm	Up to 120 J/cm ²	10 – 1,350 ms	Contact mfr.	Combining Super Hair Removal Mode for virtually painless Tx and traditional higher fluence hair removal. SHR module, 40 x 16 mm spot size, depot service.
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.	
Asclepion Laser Technologies						
MeDioStar XT	Diode	808 nm	Up to 90 J/cm ²	Up to 500 ms	Contact mfr.	10 mm and 12 mm spot sizes (standard); 14 mm tips available; integrated skin cooling.
MeDioStar XT-V	Diode	808 nm	Up to 90 J/cm ² (hair removal), Up to 170 J/cm ² (vascular)	Up to 500 ms	Contact mfr.	
MeDioStar miXT	Diode	810 nm / 940 nm (combined)	Up to 90 J/cm ²	Up to 500 ms	Contact mfr.	10 mm and 12 mm spot sizes (standard); 4, 6, 14 mm tips available; integrated skin cooling.
MeDioStar miXT-V	Diode	810 nm / 940 nm (combined)	Up to 90 J, Up to 170 J (vascular)	Up to 500 ms	Contact mfr.	
MeDioStar Effect	Diode / Acoustic Wave / RF / IPL	808 nm	Up to 90 J/cm ²	Up to 500 ms	Contact mfr.	10 and 12 mm spot sizes (standard); 14 mm tips available; integrated skin cooling.
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. Spot sizes 1.5–18 mm; unique, patented Dynamic Cooling Device, maximizing patient comfort and Tx efficacy. Same as above plus air cooling. Upgradable.
GentleYAG (Various Models)	Nd:YAG	1064 nm	Up to 600 J/cm ²	0.250 – 300 ms	Contact mfr.	
GentleMax Configurable Workstation	Alexandrite / Nd:YAG	755 nm / 1064 nm	Up to 600 J/cm ²	0.250 – 300 ms	Contact mfr.	
Cutera						
CoolGlide Platform CoolGlide CV Xeo Platform	Long pulse Nd:YAG	1064 nm	10 – 100 J/cm ²	10 – 100 ms	Contact mfr.	Upgradable platform. No disposable costs. Variable spot size. Upgradable laser and light multi-application platform. No disposable costs. Adjustable wavelength based on skin type and hair type. Large spot and high repetition rate for fast Tx. Real time calibration for consistent accurate energy. Upgradable broadband light, multi-application system. See ProWave 770 above.
CoolGlide ProWave 770	Long pulse Nd:YAG Intense Pulsed Light	1064 nm Programmable: 770 – 1100 nm	Up to 300 J/cm ² 5 – 35 J/cm ²	0.1 – 300 ms Automatic, based on program	Contact mfr. Contact mfr.	
Solera Opus Platform ProWave 770	Intense Pulsed Light	Programmable: 770 – 1100 nm	5 – 35 J/cm ²	Automatic, based on program	Contact mfr.	
Cynosure, Inc.						
Apogee Elite	Alexandrite Alexandrite / Nd:YAG	755 nm 755 nm / 1064 nm	25 – 50 J/cm ² 7 – 50 J/cm ² / 10 – 600 J/cm ²	0.5 – 300 ms 0.5 – 300 ms / 0.4 – 300 ms	Contact mfr. Contact mfr.	SmartCool air cooling. Spot sizes: 1.5 mm, 12 mm and 15 mm. Patented MultiPlex technology, space saving integrated Zimmer cooling system; spot size: 1.5 to 18 mm. New graphical user interface.
Elite MPX	Alexandrite / Nd:YAG / Xenon Pulsed Light	755 nm / 1064 nm / 530 – 950 nm	7 – 50 J/cm ² / 15 – 600 J/cm ² / Up to 40 J/cm ²	0.5 – 300 ms / 0.5 – 300 ms / 5 – 35 ms	Contact mfr.	
Acclaim Cynosure PL	Nd:YAG Pulsed Light	1064 nm 560 – 950 nm	10 – 600 J/cm ² 3 – 30 J/cm ²	0.4 – 300 ms 5 – 50 ms	Contact mfr. Contact mfr.	Spot sizes: 46 x 18 mm or 46 x 10 mm.
DEKA Medical						
Synchro HP	Multi-application system	1064 Nd:YAG, 2940 Er:YAG, Pulsed Light	700 J/cm ² (max.) / 1500 J/cm ² (max.) with optional hand-piece with a 1.5 mm diameter	0.2 ms - 300 ms	\$119,000 (1 UPL handpiece)	Interchangeable handpieces.
PhotoSilk Plus	Multi-application; YAG and Pulsed Light capabilities	1064 Nd:YAG, UPL (pulsed light)	UPL 4 - 32 J/cm ² , 2.5 - 18 J/cm ² / Nd:YAG 20 - 225 J/cm	UPL 3 - 2.5 ms (1-3 pulses) / Nd:YAG up to 6.6 ms, 25 ms	\$70,000 (1 handpieces)	Interchangeable handpieces.

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Energist NA						
UltraPlus VPL	Variable Pulsed Light	530-950 nm, 610-950 nm, 415/630-950 nm	Up to 110 J/cm ²	Variable	Contact mfr.	Two year warranty, training, three applicators, large 10x50 mm spot size for faster Tx. Square pulses, HE 110 J/cm ² applicator option.
UltraLite VPL	Variable Pulsed Light	530-950 nm	Up to 30 J/cm ²	Variable	\$29,995	10x50 mm spot size for faster Tx, square pulses, easily upgradable to 51 J/cm ² .
iPulse I200+	Intense Pulsed Light	530-1200 nm	0-20 J/cm ²	10-110 ms	\$24,995	Patented constant spectrum of light technology. 8.9cm ² spot size. Pre-programmed settings.
i300	Intense Pulsed Light	530-1200 nm	0-20 J/cm ²	10-50 ms (single); 10-20 ms on-time (triple); 7-30 ms off time (Multiple Pulse Pattern Configuration)	\$24,995	Two year warranty, patented constant spectrum of light technology. 8.9 cm ² spot size, pre-programmed settings.
810 nm Diode Laser	Super Long Pulse Diode Laser	810 nm	90 W	0.3 Hz (min.); 100 Hz (max.)	Contact mfr.	One year warranty, training, 1 x fiber, ergonomic scanner.
Focus Medical						
NaturaLight	Pulsed Light	640 – 1200 nm	Up to 50 J/cm ²	Up to 500 ms	\$59,900	
NaturaLase LP	Long Pulse Nd:YAG	1064 nm	65 J	Up to 100 ms	\$79,900	Forced air cooling system.
Fotona						
XP MAX	Nd:YAG	1064 nm	Up to 600 J/cm ² , 120 J	0.1 – 300 ms	Contact mfr.	Spot sizes: 2-20 mm; S-11 scanner: 42 cm ² Tx area, 3 mm, 6 mm, 9 mm scanner spot sizes. Variable Square Pulse (VSP) and Energy Feedback Control (EFC) supported.
XP Plus	Nd:YAG	1064 nm	Up to 600 J/cm ² , 50 J	5 – 200 ms	Contact mfr.	Spot sizes: 2-10 mm; S-11 scanner: 42 cm ² Tx area; VSP and EFC supported.
SP Dynamis	Long Pulse Nd:YAG / QCW Nd:YAG / Er:YAG	1064 nm (LP / QCW) / 2940 nm	Up to 600 J/cm ² / up to 30 W / up to 95 J/cm ²	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 size, 12x14 mm scan area and S-Runner scanner: 4 mm spot size, 40x40 mm scan area. Pixel Screen handpieces; Er:YAG spot sizes: 0.5-12 mm. Nd:YAG spot sizes: 2-10 mm; S-11 scanner: 42 cm ² Tx area. Surgical kits; bare silica fibers: 600 µm core size. VSP and EFC supported.
SP Plus	Nd:YAG / Er:YAG	1064 nm / 2940 nm	Up to 600 J/cm ² , 50 J / up to 3000 mJ	0.1 – 300 ms / 0.1 – 1.5 ms	Contact mfr.	Nd:YAG spot sizes: 2-12 mm; S-11 scanner: 42 cm ² Tx area; Er:YAG spot sizes: 0.5-12 mm. Pixel Screen handpieces; VSP and EFC supported
XP Dualis	Nd:YAG	1064 nm	Up to 400 J/cm ² , 20 J	5 – 200 ms	Contact mfr.	Spot sizes: 2-8 mm; scanner: 35x60 mm Tx area; VSP and EFC supported.
SP Dualis	Nd:YAG / Er:YAG	1064 nm / 2940 nm	Up to 400 J/cm ² / 20 J / up to 3000 mJ	5 – 200 ms / 0.1 – 1.5 ms	Contact mfr.	Nd:YAG spot sizes: 2-8 mm; S-11 scanner: 42 cm ² Tx area. Er:YAG spot sizes: 0.5-12 mm, Pixel Screen handpieces; VSP and EFC supported.
XP-2 Focus	Nd:YAG (QCW / Long Pulse)	1064 nm	30 W / up to 300 J/cm ²	0.1 – 2 ms / 0.1 – 50 ms	Contact mfr.	Surgical kits. Bare silica fibers: 200, 300, 600 µm core sizes. Nd:YAG spot sizes: 2-8 mm, VSP and EFC supported.
XP Fidelis	Nd:YAG	1064 nm	Up to 300 J/cm ² , 10 J	5 – 50 ms	Contact mfr.	Spot sizes: 2-8 mm, 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	1600 mJ/pulse / 600 mJ/pulse / 220 mJ/pulse / 340 mJ/pulse / 5 J (Accelera)	5 – 20 ns (QS) / 250 µs (Accelera)	Contact mfr.	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.
Genesis Biosystems						
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 ²	Variable, with micro-pulsing	Contact mfr.	Integrated cooling, rolling stand with locking casters, filters, footswitch, protective eyewear and eye shields, on-site training and cert., one year warranty, extended warranty avail.
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.
IRIDEX						
Gemini	Nd:YAG / KTP	1064 nm / 532 nm	Up to 990 J/cm ² / up to 100 J/cm ²	10 – 100 ms	Contact mfr.	VersaStat i 1-5 mm cont. adjustable handpiece and VersaStat i 10 mm fixed handpiece, optional DermStat 1 mm and DermStat 2 (KTP only), optional ClearView 3.

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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.	High speed LightSheer HS handpiece: 22 x 35 mm spot with vacuum assist technology, field replaceable handpiece combined with LightSheer ET: 9 x 9 mm ChillTip spot with 3 Hz, field replaceable handpiece.
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	Contact mfr. Contact mfr. Contact mfr.	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 mm head.
Lumenis One	Intense Pulsed Light	515 – 1200 nm	10 – 40 J/cm ²	3 – 100 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 M22	Nd:YAG LightSheer Diode IPL Modular / Plug and Play / IPL	1064 nm 800 nm 570 – 1200 nm 515 – 1200 nm	10 – 225 J/cm ² 10 – 100 J/cm ² Up to 22 J/cm ² N/A	2 – 20 ms 5 – 400 ms N/A 4 – 20 ms	Contact mfr. Contact mfr.	Spot size of 20 x 30 mm crystal, 33 Hz. 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.
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	Contact mfr.	Spot sizes: 12 x 50 and 12 x 12 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	Contact mfr. Contact mfr.	Same as above. Handpiece (standard) up to 16 mm, scanner (optional) up to 60 x 65 mm.
PROLITE III	Pulsed Light	630 – 1100 nm	Up to 30 J/cm ²	10 – 120 ms single pulse; dual pulse capability	Contact mfr.	Chill tip (down to 5° C) handpiece 15 x 40 mm, multi-application platform, dual filtering.
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	0.3 – 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 ²	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 ²	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.
SharpLight						
Beamax	Intense Pulsed Light	635-950 nm; 580-950 nm (DPC)	Up to 20 J/cm ²	30-50 ms	Contact mfr.	Includes HR635 HP or HR580 HP for hair removal.
Formax Plus	DPC (Dynamic Pulse Control)	635-950 nm; 580-950 nm; 730-950 nm (DPC)	Up to 22 J/cm ²	15, 30, 40, 50, 100 ms	Contact mfr.	Multi-technology platform, skin cooling with DPC forming. Easymax: 1 million pulses; HP for tanned skin. Spot sizes: 6.4 cm ² , 1.5 cm ² .
Omnimax	DPC	635-950 nm; 580-950 nm; 730-950 nm (DPC)	Up to 30 J/cm ²	15, 30, 40, 50, 100 ms	Contact mfr.	Multi-technology platform combines laser, RF, IR. Skin cooling with DPC forming. Easymax: 1 million pulses; HP for tanned skin. Spot sizes: 6.4 cm ² , 1.5 cm ² .
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.
Viora						
TRIOS	IPL	530 – 1200 nm	Up to 22 J/cm ²	25 ms	\$24,900 for all three handpieces Contact mfr.	Practitioner goggles, client brochures and poster, marketing support program.
Axiom	IPL	590 – 1200 nm	Up to 39 J/cm ² with .5 J/cm ² 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 ²), 35 x 15 mm and 20 x 10 mm.

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