

VASCULAR TECHNOLOGY COMPARISON CHART

Supplier Product Name	Device Type	Wavelength (nm)	Energy Output (Joules)	Pulse Length	Price	Accessories
Advanced Technology Laser						
GlobalCure SC6	Nd:YAG	1064 nm, 532 nm	1 – 14 J/cm ²	5 – 8 ns	Contact mfr.	Articulated arm and touch screen display panel. One year warranty. One year warranty.
SmoothTouch	Nd:YAG	1064 nm	5 – 110 J/cm ²	3 – 300 ms (adj.)	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						
Harmony ^{XL}	AFT Pulsed Light	515 – 950 nm, 540 – 950 nm	5 – 30 J/cm ² , 5 – 25 J/cm ²	10, 12, 15 ms	Contact mfr.	SVL module, 40 x 16 mm spot size, depot service. VP module, 40 x 16 mm spot size, contact cooling version available. 1064 nm module, 2 and 6 mm spot sizes.
	Nd:YAG	1064 nm	30 – 450 J/cm ²	10, 40, 60 ms	Contact mfr.	
Asclepion Laser						
QuadroStar+ 532	LBO	532 nm	5 W, 8 W	5 ms - 100 sec	Contact mfr.	Handpiece set: 0.5, 1.0, 1.5 mm spot (2.8 mm opt.), bleaching handpiece and scanner available.
QuadroStar+ 532 / 980	LBO / Diode	532 nm / 980 nm	5 W, 8 W / 25 W	5 ms - 100 sec	Contact mfr.	Handpiece set: 0.5, 1.0, 1.5 mm spot (2.8 mm opt.), bare fiber 0.4 mm, bleaching handpiece, endovascular fiber set and scanner available.
QuadroStar+ 532 / 940	LBO / Diode	532 nm / 940 nm	5 W, 8 W / 25 W	5 ms - 100 sec	Contact mfr.	Same as above.
QuadroStar+ 532 / 810	LBO / Diode	532 nm / 810 nm	5 W, 8 W / 25 W	5 ms - 100 sec	Contact mfr.	Same as above.
QuadroStar+ 980	Diode	980 nm	25 W	5 ms - 100 sec	Contact mfr.	Handpiece set: 0.5, 1.0, 1.5 mm spot, bare fiber 0.4 mm, bleaching handpiece and endovascular fiber set available.
QuadroStar+ 940	Diode	940 nm	25 W	5 ms - 100 sec	Contact mfr.	Same as above.
QuadroStar+ 810	Diode	810 nm	25 W	5 ms - 100 sec	Contact mfr.	Same as above.
Candela						
Vbeam Perfecta	Pulsed Dye	595 nm	Up to 40 J/cm ²	0.45 – 40 ms	Contact mfr.	Six spot sizes up to 12 mm, including 3 x 10 elliptical and pigmented lesion handpieces; unique, patented Dynamic Cooling Device, maximizing patient comfort and Tx efficacy.
Vbeam Platinum	Pulsed Dye	595 nm	Up to 40 J/cm ²	0.45 – 40 ms	Contact mfr.	
Vbeam Aesthetica	Pulsed Dye	595 nm	Up to 20 J/cm ²	0.45 – 40 ms	Contact mfr.	
GentleYAG	Nd:YAG	1064 nm	Up to 600 J/cm ²	Up to 300 ms	Contact mfr.	Spot sizes 1.5–18 mm; unique, patented Dynamic Cooling Device, maximizing patient comfort and Tx efficacy.
GentleMax Configurable Workstation GentleLASE (Various Models)	Alexandrite / Nd:YAG	755 nm / 1064 nm	Up to 600 J/cm ²	0.250 – 300 ms	Contact mfr.	Same as above plus air cooling delivery available. Upgradable.
	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.
Cutera						
Xeo Platform						Upgradable laser and light multi-application platform.
Excel Limelight	Long pulse Nd:YAG Intense Pulsed Light	1064 nm Programmable: 520 – 1100 nm	Up to 300 J/cm ² 5 – 30 J/cm ²	0.1 – 300 ms Automatic, based on program	Contact mfr. Contact mfr.	No disposables. Variable spot size. Adjustable wavelength based on skin type, vascularity and pigment. Large spot and high repetition rate for fast Tx. Real time calibration for consistent accurate energy.
AcuTip 500	Intense Pulsed Light	500 – 635 nm	3 – 24 J/cm ²	Automatic, based on program	Contact mfr.	6.35 mm spot for minimum skin damage and pinpoint pigmentation Tx with powerful peak power.
Solera Opus Platform						Upgradable broadband light multi-application system.
Limelight	Intense Pulsed Light	Programmable: 520 – 1100 nm	5 – 30 J/cm ²	Automatic, based on program	Contact mfr.	See Limelight above.
AcuTip 500	Intense Pulsed Light	500 – 635 nm	3 – 24 J/cm ²	Automatic, based on program	Contact mfr.	See AcuTip above.
CoolGlide Platform CoolGlide Excel	Long Pulse Nd:YAG	1064 nm	Up to 300 J/cm ²	0.1 – 300 ms	Contact mfr.	No disposables, variable spot size, contact cooling.
Cynosure, Inc.						
Acclaim	Nd:YAG	1064 nm	10 – 600 J/cm ²	0.4 – 300 ms	Contact mfr.	SmartCool cold air cooling. No disposable costs.
Cynosure PL Elite	Pulsed Light	560 – 950 nm	3 – 30 J/cm ²	5 – 50 ms	Contact mfr.	Spot sizes: 46 x 18 mm and 46 x 10 mm.
	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.	Spot sizes: 1.5 mm, 12 mm, 15 mm. SmartCool air cooling.
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.	Patented MultiPlex technology, space saving integrated Zimmer cooling system; spot size: 1.5 mm to 18 mm. New graphical user interface.
Cynergy	Pulsed Dye / Nd:YAG	595 nm / 1064 nm	2 – 40 J/cm ² / 10 – 600 J/cm ²	0.5 – 40 ms / 0.3 – 300 ms	Contact mfr.	Spot sizes: 46 x 18 mm and 46 x 10 mm.

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Cynosure, Inc. (continued)						
Cynergy with XPL	Pulsed Dye / Nd:YAG / Pulsed Light	595 nm / 1064 nm / 560 – 950 nm	2 – 40 J/cm ² / 10 – 600 J/cm ² / 16 J/cm ² – 8.3 cm ² , 30 J/cm ² – 4.6 cm ² , 30 J/cm ² – 2.1 cm ² handpieces	0.5 – 40 ms / 0.3 – 300 ms / 5 – 50 ms	Contact mfr.	SmartCool air cooling. Air cooling pulsed light module is portable and can be used separately.
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 handpiece)	Interchangeable handpieces.
Energist NA						
Ultra Plus VPL	Variable Pulsed Light	530 – 950 nm, 610 – 1020 nm, 415 nm / 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.
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	510 – 1200 nm	Up to 50 J/cm ²	Up to 500 ms	\$59,900	Forced air cooling system. 585 nm and 650 nm dye handpiece.
Naturalase LP	Long Pulsed Nd:YAG	1064 nm	65 J	Up to 100 ms	\$79,900	
Naturalase QS4	Q-switched Nd:YAG	1064, 532, 585, 650 nm	1 J or 2 J	10 – 20 ns	\$98,900 - \$124,900	
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 spot sizes. Variable Square Pulse (VSP) Technology and Energy Feedback Control (EFC) supported. Surgical kits. Bare silica fibers: 200, 300, 600 µm core sizes. Nd:YAG spot sizes: 2-8 mm, 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.	Spot sizes: 2-10 mm; S-11 scanner: 42 cm ² Tx area; VSP and EFC supported.
XP Plus	Nd:YAG	1064 nm	Up to 600 J/cm ² , 50 J	5 – 200 ms	Contact mfr.	Spot sizes: 2-8 mm; scanner with 35x60 mm Tx area; 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, 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	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.
VP Dualis	Nd:YAG / KTP:YAG	1064 nm / 532 nm	Up to 400 J/cm ² , 20J / 30 J/cm ²	5 – 200 ms / 1 – 150 ms	Contact mfr.	Nd:YAG spot sizes: 2-7 mm; KTP:YAG spot sizes: 2-6 mm; CSC cooling; VSP 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.	Rolling stand, 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, 585 nm, 650 nm	Up to 12 J/cm ²	5 – 20 ns	Contact mfr.	MultiLite handpieces for 585 nm and 650 nm converted wavelengths; MultiSpot hand-piece 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 ²	5 – 20 ns	Contact mfr.	Same as above.
MedLite C3	EO Q-switched Nd:YAG	1064 nm, 532 nm	Up to 12 J/cm ²	5 – 7 ns	Contact mfr.	MultiSpot handpiece offering four spot sizes from 2–8 mm.
V-Raser	Diode	980 nm	Variable	Variable	Contact mfr.	Four pound, 7x9x2 multi-spot handpiece.
IRIDEX						
VariLite	KTP / Diode	532 nm / 940 nm	950 J/cm ² / 900 J/cm ²	5 – 100 ms	\$54,500	0.7, 1.0, 2.0 mm handpieces, optional 14 mm ScanLite ^{XP} scanner, optional ClearView 3.
DioLite ^{XP}	KTP	532 nm	950 J/cm ²	5 – 100 ms	\$42,500	0.5, 0.7, 1.0 mm handpieces, optional ScanLite ^{XP} scanner, optional ClearView 3.
Gemini	KTP / Nd:YAG	532 nm / 1064 nm	Up to 100 J/cm ² / up to 990 J/cm ²	10 – 100 ms	Contact mfr.	VersaStat i 1–5 mm cont. adjustable hand-piece and VersaStat i 10 mm fixed hand-piece, optional DermStat 1 mm and DermStat 2 mm (KTP only), optional ClearView 3.
LASERING^{USA}						
Velure S5 MiXto VX	Diode	532 nm	0.5 – 5 W	10 – 1,000 ms	Contact mfr.	MiXto VX fractional scanner. Focusing handpieces with spot sizes: 0.3 mm, 0.5 mm, 1.5 mm.
Velure S5	Diode	532 nm	0.5 – 5 W	10 – 1,000 ms	Contact mfr.	Focusing handpieces with spot sizes: 0.3 mm, 0.5 mm, 1.5 mm.
Lumenis						
IPL Quantum DL	Nd:YAG	1064 nm	90 – 150 J/cm ²	5 – 38 ms	\$69,900	Upgradable to hair removal, rejuvenation and tattoo removal. Spot size 6 mm.
IPL Quantum SR	Intense Pulsed Light	560 – 1200 nm	15 – 45 J/cm ²	6 – 26 ms	Contact mfr.	Upgradable to hair removal, deep vascular lesions and leg veins and tattoo removal. Spot size 34 x 8 mm, optional 590 nm and 640 nm heads for rejuvenation.

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Lumenis (continued)						
Lumenis One	Intense Pulsed Light	515 – 1200 nm	10 – 40 J/cm ²	3 – 100 ms	Contact mfr.	Multi-technology, multi-application platform. Upgradable, expandable, seven IPL filters, novel Optimal Pulse Technology for multiple sequential pulsing, optimized presets and patient database, spot sizes: 15 x 35 mm and 8 x 15 mm (IPL); 2 x 4, 6, 9 mm (Nd:YAG), LightSheer: 9 x 9 mm. Optimum Pulse Technology (OPT), multiple sequential pulsing, continuous contact cooling with SapphireCool light guides: 15 mm x 35 mm, 8 mm x 15 mm. Expert-Filters: 515, 560, 590, 615, 640 and 695 nm.
	Nd:YAG	1064 nm	10 – 225 J/cm ²	2 – 20 ms		
	LightSheer Diode	800 nm	10 – 100 J/cm ²	5 – 400 ms		
M22	Modular / Plug and Play / IPL	515 - 1200 nm	515 - 1200 nm	4 - 20 ms	Contact mfr.	
Palomar						
StarLux 500 Platform Lux1064 Nd:YAG Laser handpiece LuxG handpiece	Nd:YAG Pulsed Light	1064 nm 500 – 670 nm, 870 – 1400 nm	Up to 700 J Up to 60 J	5 – 100 1 – 400	Contact mfr. Contact mfr.	Four spot sizes: 1.5, 3, 6 and 9 mm.
Quanta System						
Ultrawave 1064	Nd:YAG Long Pulse	1064 nm	Up to 500 J/cm ²	3 – 300 ms	Contact mfr.	Air system for skin cooling. Alexandrite 755 nm: spot sizes up to 16 mm; repetition rate up to 2 Hz. Nd:YAG 1064 nm long pulse: spot sizes 2–4.5 mm and 6–12 mm; repetition rate up to 2 Hz. Nd:YAG 1064 nm short pulse: spot sizes up to 6 mm; repetition 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 Short Pulse	1064 nm	Up to 46 J/cm ²	0.3 – 0.8 ms		
	Nd:YAG Long Pulse	1064 nm	Up to 500 J/cm ²	3 – 300 ms		
	Nd:YAG Short Pulse	1064 nm	Up to 500 J/cm ²	0.3 – 0.8 ms		
	Nd:YAG F.D.	532 nm	Up to 90 J/cm ²	5 – 25 ms		
Ultrawave II	Alexandrite	755 nm	Up to 120 J/cm ²	3 – 100 ms		
	Nd:YAG Long Pulse	1064 nm, 1320 nm	Up to 500 J/cm ²	3 – 300 ms		
	Nd:YAG Short Pulse	1064 nm	Up to 46 J/cm ²	0.3 – 0.8 ms		
Ultrawave III	Alexandrite	755 nm	Up to 120 J/cm ²	3 – 100 ms		
	Nd:YAG Long Pulse	1064 nm, 1320 nm	Up to 500 J/cm ²	3 – 300 ms		
	Nd:YAG Short Pulse	1064 nm	Up to 46 J/cm ²	0.3 – 0.8 ms		
Eterna Giovinezza Eterna Giovinezza Plus	Pulsed Light Pulsed Light	550 nm – 950 nm 550 nm – 950 nm, 625 nm – 1200 nm	Up to 40 J/cm ² Up to 40 J/cm ²	3 – 240 ms 3 – 240 ms	Contact mfr.	Pulsed light handpieces available: 400–1200, 550–950, 570–1200, 590–1200, 625–1200 and 650–1200 nm.
Eterna Giovinezza Compact (table top)	Pulsed Light	550 nm – 950 nm	Up to 40 J/cm ²	3 – 240 ms		
Quantel Derma GmbH						
MYDON	Nd:YAG	1064 nm	10 – 600 J/cm ²	0.5 – 90 ms	Contact mfr.	Spot sizes: 1.5, 3 and 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.
ARION	Alexandrite	755 nm	Up to 100 J/cm ²	5 – 140 ms	Contact mfr.	Handpiece (standard) up to 16 mm, scanner (optional) up to 60 x 65 mm.
PROLITE III	Pulsed Light	550 – 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.
Refine USA, LLC						
VeinGogh	Ohmic Thermolysis	N/A	4 MHz (output freq.); 300 V (max. output voltage)	0.1 - 0.8 sec (duration)	Contact mfr.	
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.
Pro-V	Nd:YAG / Pulsed Light	1064, 1319 nm / 420 – 1400 nm	Up to 400 J/cm ²	3 – 200 ms	Contact mfr.	Endovenous and transcutaneous laser Tx of varicose and other veins. Uses non-proprietary fibers.
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 Formax Plus	Intense Pulsed Light DPC (Dynamic Pulse Control)	535-950 nm 535-950 nm; 535-600 nm; 830-950 nm (DPC)	5-20 J/cm ² Up to 30 J/cm ²	10-15 ms 10, 12, 15, 20, 25 ms		Includes VP535 HP. Multi-technology platform, skin cooling with DPC forming. Spot sizes: 6.4 cm ² , 1.5 cm ² , three MaxRF heads
Omnimax	DPC Nd:YAG	535-950 nm; 535-600 nm; 830-950 nm (DPC) 1064 nm	Up to 30 J/cm ² 30-450 J/cm ²	10, 12, 15, 20, 25 ms 10, 40, 60, 100 ms		Multi-technology platform combines laser, RF and IR. Skin cooling with DPC forming. Spot sizes: 6.4 cm ² , 1.5 cm ² . Six Max RF heads.
Viora						
TRIOS	IPL	570 – 1200 nm	Up to 22 J/cm ²	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 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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