

VASCULAR TECHNOLOGY 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						
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.
	Nd:YAG	1064 nm	30 – 450 J/cm ²	10, 40, 60 ms		1064 nm module, 2 and 6 mm spot sizes.
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.	Multiple spot sizes; unique, patented Dynamic Cooling Device, maximizing patient comfort and Tx efficacy.
Vbeam Aesthetica	Pulsed Dye	595 nm	Up to 20 J/cm ²	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.
GentleYAG VR	Nd:YAG	1064 nm	Up to 600 J/cm ²	Up to 300 ms	Contact mfr.	Spot sizes 1.5 – 3 mm; unique, patented Dynamic Cooling Device, maximizing patient comfort and Tx efficacy.
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.
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; Dynamic Cooling Device and air cooling delivery systems available. Upgradable.
Cutera						
CoolGlide Excel	Nd:YAG	1064 nm	5 – 300 J	1 – 300 ms	Contact mfr.	Integrated, effortless spot size options (3, 5, 7, 10 mm); no disposable costs.
Xeo	Nd:YAG / Pulsed Light	1064 nm	Up to 300 J / 6 – 40 J (Pulsed Light)	0.1 – 300 ms / Automatic (pulsed light)	Contact mfr.	10 x 30 mm Tx window for fast treatments 3-in-1 programmable wavelengths treat rosacea, telangiectasia and diffuse redness.
Solera Opus	Intelligent Pulsed Light	500 – 635 nm	3 – 24 J	Variable over fluence range	Contact mfr.	Spot size: 6.35 mm, unobstructed view. Real time calibration. Ideal for small telangiectasia and treating lentigines.
Cynosure, Inc.						
Acclaim	Nd:YAG	1064 nm	10 – 600 J/cm ²	0.4 – 300 ms	Contact mfr.	With SmartCool cold air cooling. No disposable costs.
Cynosure PL	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.
Elite	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 / 530-1200 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.	MultiPlex technology, integrated Zimmer cold air cooling; spot size: 1.5 mm, 12 mm, 15 mm and 18 mm.
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.
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.
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	
DermaYAG	Nd:YAG	1064 nm	15 – 300 J/cm ²	150 ms	\$49,900	Two handpieces with spot sizes: 12 mm, 10 mm, 8 mm, 6 mm, 4 mm, 3 mm, 2 mm and 1 mm.
Focus Medical						
NaturaLight	Pulsed Light	510 – 1200 nm	Up to 50 J/cm ²	Up to 500 ms	\$59,900	
NaturaLase LP	Long Pulsed Nd:YAG	1064 nm	65 J	Up to 100 ms	\$72,500	Forced air cooling system.
NaturaLase QS4	Q-switched Nd:YAG	1064, 532, 585, 650 nm	1 J or 2 J	10 – 20 ns	\$94,900 - \$119,900	585 nm and 650 nm dye handpiece.
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) 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 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.
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.
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.
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	1,600 mJ/pulse / 600 mJ/pulse / 220 mJ/pulse / 340 mJ/pulse / 5 J	5 – 20 ns (single pulse Q-switched) / 250 μs (Accelera)	Contact supplier	Four wavelengths to remove a complete spectrum of tattoo pigments. Handpiece with spot sizes from 2 to 8 mm (Accelera, QS Nd:YAG and QS KTP) and from 2 to 4 mm (QS red and QS yellow); OPTOflex articulated arm and OPTOflex Vacuum Cell technology and EFC supported; FRAC3 rejuvenation Tx enabled. Pending FDA approval.
VP Dualis	Nd:YAG / KTP:YAG	1064 nm / 532 nm	Up to 400 J/cm ² , 20 J / 30 J/cm ²	5 – 200 ms / 1 – 150 ms	Contact supplier	Nd:YAG handpiece with spot sizes from 2 to 7 mm; KTP:YAG handpiece with spot sizes from 2 to 6 mm; CSC cooling; VSP and EFC technology supported.
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 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 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.
LASERING^{USA}						
Velure S5 MiXto VX	Diode	532 nm	0.5 – 5 W	10 – 1000 ms	\$53,900	MiXto VX fractional scanner. Focusing handpieces with spot sizes of 0.3 mm, 0.5 mm, 1.5 mm.
Velure S5	Diode	532 nm	0.5 – 5 W	10 – 1000 ms	\$36,600	Focusing handpieces with spot sizes of 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 (HR), skin rejuvenation (SR) and tattoo removal (QS). 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 (HR), deep vascular lesions and leg veins (DL) and tattoo removal (QS). Spot size 34 x 8 mm, optional 590 nm and 640 nm heads for skin rejuvenation.
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 OPT, 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.
	Nd:YAG	1064 nm	10 – 225 J/cm ²	2 – 20 ms		
	LightSheer Diode	800 nm	10 – 100 J/cm ²	5 – 400 ms		
Osyris Medical						
ENDOTHERME	Diode	980 nm	25 W	CW		Osyplot continuous pull-back ruler.
EXOTHERME	Diode	980 nm	25 W	CW		Control 4+ video handpiece.
Palomar						
StarLux 500 Platform Lux1064 Nd:YAG Laser handpiece LuxG handpiece	Nd:YAG	1064 nm	Up to 700 J	5 – 100	Contact mfr.	Four spot sizes: 1.5, 3, 6 and 9 mm.
	Pulsed Light	500 – 670 nm, 870 – 1400 nm	Up to 60 J	1 – 400	Contact mfr.	
PhotoMedex, Inc.						
LaserPro Diode	Diode Laser	810, 940, 980 nm	15 W, 25 W	N/A	Contact mfr.	Venous laser fibers.
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		
Ultrawave II	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 500 J/cm ²	5 – 25 ms		
	Alexandrite	755 nm	Up to 120 J/cm ²	3 – 100 ms		
Ultrawave III	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		
	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		
Eterna Giovinezza Eterna Giovinezza Plus	Nd:YAG Short Pulse	1064 nm	Up to 46 J/cm ²	0.3 – 0.8 ms		
	Nd:YAG F.D.	532 nm	Up to 90 J/cm ²	5 – 25 ms		
	Pulsed Light	550 nm - 950 nm	Up to 40 J/cm ²	3 – 240 ms		
Eterna Giovinezza Compact (table top)	Pulsed Light	550 nm - 950 nm, 625 nm - 1200 nm	Up to 40 J/cm ²	3 – 240 ms		
	Pulsed Light	550 nm - 950 nm	Up to 40 J/cm ²	3 – 240 ms		

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Quantel Derma GmbH						
MYDON	Nd:YAG	1064 nm	10 – 600 J/cm ²	0.5 – 90 ms		Spot sizes: 1.5, 3 and 5 mm, integrated skin cooling, optional handpiece for hair removal.
IDAS	LBO	532 nm	8 W	2 – 1000 ms, pulsed and CW		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		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.
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 proprietary or third party fibers.
BBL	Broadband Light Module	420 – 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/eLight SR	Optical Energy / RF Electrical Energy	580 nm – 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.
eMax/eLight SRA	Optical Energy / RF Electrical Energy	470 nm – 980 nm	Up to 45 J/cm ² / Up to 25 J/cm ³	N/A	Contact mfr.	Same as above.
eMax/eLaser LV	Diode / RF Electrical Energy	900 nm	Up to 140 J/cm ² / Up to 100 J/cm ³	N/A	Contact mfr.	8 x 5 mm spot size. Three year warranty.
eMax/eLaser LVA	Diode / RF Electrical Energy	900 nm	100 to 350 J/cm ² / 10 to 100 J/cm ³	N/A	Contact mfr.	8 x 2 mm spot size. Three year warranty.