

# VASCULAR TECHNOLOGY COMPARISON CHART

Supplier Product Name	Device Type	Wavelength (nm)	Energy Output (Joules)	Pulse Length	Price	Accessories
<b>Aerolase</b>						
LightPod Neo XT	Nd:YAG	1064 nm	Up to 1,274 J	0.65 or 1.5 ms	\$49,500	Portable (22 lbs.), powerful and pain free. No costly disposables or service calls required.
<b>Alma Lasers</b>						
Harmony <sup>XL</sup>	AFT Pulsed Light	515 – 950 nm, 540 – 950 nm	5 – 30 J/cm <sup>2</sup> , 5 – 25 J/cm <sup>2</sup>	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 <sup>2</sup>	10, 40, 60 ms		1064 nm module, 2 and 6 mm spot sizes.
<b>Candela</b>						
Vbeam Perfecta	Pulsed Dye	595 nm	Up to 40 J/cm <sup>2</sup>	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 <sup>2</sup>	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 <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.
GentleYAG	Nd:YAG	1064 nm	Up to 600 J/cm <sup>2</sup>	Up to 300 ms	Contact mfr.	Spot sizes 1.5–18 mm; unique, patented Dynamic Cooling Device, maximizing patient comfort and Tx efficacy.
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.
GentleMax Configurable Workstation	Alexandrite / Nd:YAG	755 nm / 1064 nm	Up to 600 J/cm <sup>2</sup>	0.250 – 300 ms	Contact mfr.	Spot sizes 1.5–18 mm; Dynamic Cooling Device and air cooling delivery systems available. Upgradable.
<b>Cutera</b>						
Xeo Platform						Upgradable laser and light multi-application platform.
1064 Vascular Limelight	Long pulse Nd:YAG Intense Pulsed Light	1064 nm Programmable: 520 – 1100 nm	Up to 300 J/cm <sup>2</sup> 5 – 30 J/cm <sup>2</sup>	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 <sup>2</sup>	Automatic, based on program	Contact mfr.	6.35 mm spot for minimum skin damage and pinpoint pigmentation Tx with powerful peak power. Upgradable broadband light multi-application system.
Solera Opus Platform Limelight	Intense Pulsed Light	Programmable: 520 – 1100 nm	5 – 30 J/cm <sup>2</sup>	Automatic, based on program	Contact mfr.	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 <sup>2</sup>	Automatic, based on program	Contact mfr.	6.35 mm spot for minimum skin damage and pinpoint pigmentation Tx with powerful peak power.
<b>Cynosure, Inc.</b>						
Acclaim	Nd:YAG	1064 nm	10 – 600 J/cm <sup>2</sup>	0.4 – 300 ms	Contact mfr.	SmartCool cold air cooling. No disposable costs.
Cynosure PL Elite	Pulsed Light Alexandrite / Nd:YAG	560 – 950 nm 755 nm / 1064 nm	3 – 30 J/cm <sup>2</sup> 7 – 50 J/cm <sup>2</sup> / 10 – 600 J/cm <sup>2</sup>	5 – 50 ms 0.5 – 300 ms / 0.4 – 300 ms	Contact mfr. Contact mfr.	Spot sizes: 46 x 18 mm and 46 x 10 mm. 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 <sup>2</sup> / 5 – 600 J/cm <sup>2</sup> / 40 J/cm <sup>2</sup> – 5 cm <sup>2</sup>	.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 <sup>2</sup> / 10 – 600 J/cm <sup>2</sup>	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 <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. Air cooling pulsed light module is portable and can be used separately.
<b>DermaMed International, Inc.</b>						
Quadra Q4 Platinum Series	Intense Pulsed Light	500 – 1200 nm	Up to 20 J/cm <sup>2</sup>	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 <sup>2</sup>	10 – 110 ms	\$39,500	
DermaYAG	Nd:YAG	1064 nm	15 – 300 J/cm <sup>2</sup>	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.

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<b>Energist NA</b>						
Ultra Plus VPL	Variable Pulsed Light	530 – 950 nm, 610 – 1020 nm, 415 nm / 630 – 950 nm	Up to 110 J	Variable	Contact mfr.	Two year warranty, training, three applicators, large 10x50 mm spot size for faster Tx. Square pulses, HE 110 J applicator option.
<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.	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 <sup>2</sup>	5 – 20 ns	Contact mfr.	Same as above.
MedLite C3	EO Q-switched Nd:YAG	1064 nm, 532 nm	Up to 12 J/cm <sup>2</sup>	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.
<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, 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, optional ClearView 3.
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 and VersaStat i 10 mm fixed handpiece, optional DermStat 1 mm and DermStat 2 mm (KTP only), optional ClearView 3.
<b>LASERING<sup>USA</sup></b>						
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.
<b>Lumenis</b>						
IPL Quantum DL	Nd:YAG	1064 nm	90 – 150 J/cm <sup>2</sup>	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 <sup>2</sup>	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 <sup>2</sup>	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 <sup>2</sup>	2 – 20 ms		
	LightSheer Diode	800 nm	10 – 100 J/cm <sup>2</sup>	5 – 400 ms		
<b>Palomar</b>						
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.	
<b>Quanta System</b>						
Ultrawave 1064	Nd:YAG Long Pulse	1064 nm	Up to 500 J/cm <sup>2</sup>	3 – 300 ms	Contact mfr. 0.3 – 0.8 ms	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 Long Pulse	1064 nm	Up to 500 J/cm <sup>2</sup>	3 – 300 ms		
Ultrawave II	Nd:YAG F.D.	532 nm	Up to 90 J/cm <sup>2</sup>	5 – 25 ms	0.3 – 0.8 ms	
	Alexandrite	755 nm	Up to 120 J/cm <sup>2</sup>	3 – 100 ms		
Ultrawave III	Nd:YAG Long Pulse	1064 nm, 1320 nm	Up to 500 J/cm <sup>2</sup>	3 – 100 ms	3 – 300 ms 0.3 – 0.8 ms	
	Nd:YAG Short Pulse	532 nm	Up to 46 J/cm <sup>2</sup>	3 – 300 ms		
Eterna Giovinezza Eterna Giovinezza Plus	Nd:YAG F.D.	532 nm	Up to 90 J/cm <sup>2</sup>	5 – 25 ms	Contact mfr.	
	Pulsed Light	550 nm – 950 nm	Up to 40 J/cm <sup>2</sup>	3 – 240 ms		
Eterna Giovinezza Compact (table top)	Pulsed Light	550 nm – 950 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.

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<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>	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 <sup>2</sup>	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 <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 500 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.
<b>Syneron</b>						
eMax/eLight SR	Optical Energy / RF Electrical Energy	580 nm – 980 nm	Up to 45 J/cm <sup>2</sup> / Up to 25 J/cm <sup>3</sup>	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 <sup>2</sup> / Up to 25 J/cm <sup>3</sup>	N/A	Contact mfr.	Same as above.
eMax/eLaser LV	Diode / RF Electrical Energy	900 nm	Up to 140 J/cm <sup>2</sup> / Up to 100 J/cm <sup>3</sup>	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 <sup>2</sup> / 10 to 100 J/cm <sup>3</sup>	N/A	Contact mfr.	8 x 2 mm spot size. Three year warranty.

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