

ACNE TX DEVICE COMPARISON CHART

Supplier Product Name	Device Type	Wavelength (nm)	Energy Output (Joules)	Pulse Length	Price	Accessories	FDA Status
Alma Lasers							
Harmony ^{XL}	AFT Pulsed Light	420 – 950 nm	5 – 25 J/cm ²	30, 40, 50 ms	Contact mfr.	Acne module, depot service, 40 x 16 mm spot.	Cleared
	Nd:YAG	1320 nm	Up to 40 J/cm ²	30, 40, 50 ms	Contact mfr.	Acne scar module, depot service.	Cleared
Candela							
Smoothbeam	Diode	1450 nm	Up to 25 J/cm ²	210 ms	Contact mfr.	Spot sizes 4 - 6 mm; unique, patented Dynamic Cooling Device, maximizing patient comfort and Tx efficacy.	Cleared
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.	Cleared
Vbeam Platinum	Pulsed Dye	595 nm	Up to 40 J/cm ²	0.45 – 40 ms	Contact mfr.	Multiple spot sizes and unique, patented Dynamic Cooling Device, maximizing patient comfort and Tx efficacy.	Cleared
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.	Cleared
CoolTouch							
CT3Plus	Nd:YAG	1320 nm	24 J/cm ²	.35 ms	\$69,950	10 mm spot size; pulsed cryogen available with pre-, mid- and post-cooling. Treats acne, acne scars and wrinkles.	Cleared
Cynosure, Inc.							
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	\$153,250	Spot sizes: 1.5 mm, 12 mm, 15 mm. SmartCool air cooling.	Cleared
DermaMed International							
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 for minimal discomfort.	Cleared
Quadra Q4 Gold Series	Intense Pulsed Light	500 – 1200 nm	Up to 20 J/cm ²	10 – 110 ms	\$39,500	One multi-pulsing handpiece for hair removal, pigmented/vascular lesions and acne.	Cleared
Quadra Q4 Silver Series	Intense Pulsed Light	500 – 1200 nm	Up to 20 J/cm ²	10 – 110 ms	\$29,500	Pre-programmable settings.	Cleared
DINONA, Inc.							
Sellas	Erbium Glass Fiber	1550 nm	Up to 30 mJ per micropulse	Approx. 30 ms	Contact mfr.	Three permanent handpieces. Pulse Per Area (PPA) by random-spray shot. Tailoring pattern features, large pattern size (up to 50 mm), 32 facial forms and scar mode, applicable stamping and scanning approach.	Cleared
3L	LED	635 nm, 818 nm	20 mJ	CW, 10 – 500 ms	Contact mfr.	Acne, wound healing, PIH prevention, skin rejuvenation and photodynamic therapy.	Cleared
Ellipse, Inc.							
Ellipse MultiFlex	Pulsed Light	530 nm – 750 nm	Up to 9 J/cm ²	Up to 100 ms	Contact mfr.	Multi-application platform. Includes programmable pulse technology (PPT) and patient database.	Cleared
Juvia	Fractional CO ₂ Laser	10,600 nm	0.1 – 15 W	N/A	Contact mfr.	Flexible fiber delivery. Built-in parameter controls on handpiece. Adjustable scan dwell times: 2 ms to 7 ms. Scan density: 7 x 7; 9 x 9; 11 x 11 MTZ/cm ² . Scan area: 1 cm ² . MTZ (spot) size: 500 µm. No consumables.	Cleared
Energist (formerly McCUE)							
ULTRA VPL	Variable Pulsed Light	530 - 950 nm, 610 - 1020 nm	Up to 51 J/cm ²	Variable	\$67,750	Three year warranty, two full training days, all applicators included, large 10x50 mm spot size for faster Tx, square pulses and dynamic skin cooling.	Cleared
ULTRA Lite	Variable Pulsed Light	530 – 950 nm	Up to 30 J	Variable	\$37,750	10 x 50 mm spot size for faster treatments, square pulses, dynamic cooling and easily upgradable to 51 J.	Cleared
Enlyten Medical Technologies							
Brighten MAS (Multiple Application Systems)	Plasma Lamp Based	295 - 315 nm, 360 - 370 nm, 405 - 450 nm	100+ J/cm ²	ms - CW	\$74,500	Digital camera for enSTOR patient documentation.	Cleared
Sophia	Plasma Lamp Based	405 - 450 nm, 850 - 900 nm	60+ J/cm ²	ms - CW	\$24,500	Light replicator distance gauges (LRDGs).	Cleared
Stella	Plasma Lamp Based (Dual)	405 - 450 nm, 850 - 900 nm	60+ J/cm ²	ms - CW	\$34,500	LRDGs.	Cleared
Sillia	Plasma Lamp Based	405 - 450 nm, 850 - 900 nm	300+ J/cm ²	ms - CW	\$44,500	LRDGs.	Cleared

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Focus Medical							
NaturaLight	Pulsed Light	420 – 1200 nm	Up to 50 J/cm ²	Up to 500 ms	\$54,900		Cleared
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. Same as above.	
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.		
IRIDEX							
VariLite	KTP / Diode	532 nm / 940 nm	250 J / 850 J	5 - 100 ms	\$54,500	0.7, 1.0, 2.0 mm handpieces, 14mm ScanLite ^{XP} scanner (optional).	Cleared
Gemini	KTP / Nd:YAG	532 nm / 1064 nm	Up to 100 J / Up to 990 J	1 -100 ms / 10 - 100 ms	Contact mfr.	VersaStat i 1-5 mm, cont. adj. handpiece; VersaStat i 10 mm, DermaStat 1 or 2 mm (KTP only).	Cleared
Aura i	KTP	532 nm	1 - 240 J	1 - 50 ms	\$72,500	VersaStat i 1-5 mm, cont. adj. handpiece; SmartScanner, DermaStat 1, 2 or 4 mm.	Cleared
LASERING^{USA}							
SLIM MiXto SX	Fractional CO ₂	10,600 nm	0.5 - 30 W	N/A	\$79,000	Patent pending MiXto SX fractional scanner system. Full range of accessories available. Approved for acne scar Tx.	Cleared
LIGHTWAVE Technologies							
LIGHTWAVE Elite	LED Light therapy	630 nm, 880 nm, 420 nm	Up to 180 J/cm ²	CW and Variable	Starting at \$19,000	Newest and most sophisticated tri-wavelength LED system. Advanced dual wavelength LED system.	
LIGHTWAVE Deluxe	LED Light therapy	630 nm / 880 nm, 630 nm / 420 nm	Up to 160 J/cm ²	CW and Variable	Starting at \$15,000		
Lutronic, Inc.							
Spectra VRM II	Q-switched Nd:YAG	532 nm, 585 nm, 650 nm, 1064 nm	Up to 1.5 J	5 ns, 300 μs		Spectra Peel for active inflammatory acne.	
Med-Aesthetic Solutions, Inc.							
iPulse i400	Intense Pulsed Light	530 – 1200 nm	0 – 20 J/cm ²	10 – 110 ms	\$49,995	Patented constant spectrum of light technology. Square pulse delivery. 8.9 cm ² spot size, mini glass filter handpieces. Pre-programmed settings. Interactive display and touch screen. Tabletop or portable. Patented constant spectrum of light technology. Square pulse delivery. 8.9 cm ² spot size, mini glass filter handpieces. Pre-programmed settings. Non-invasive and non-ablative high-frequency and micro currents enhance the effects of LED phototherapy.	Cleared
iPulse i200+	Intense Pulsed Light	530 – 1200 nm	0 – 20 J/cm ²	10 – 110 ms	\$34,995		Cleared
MAStique Light Skin Rejuvenation System	LED	470 nm, 525 nm, 590 nm, 640 nm	Up to 29 J/cm ²	Variable with six presets	\$16,995		
Novalis							
Clareon AR	Pulsed Light	420 – 1200 nm	Up to 15 J	30, 50, 70 ms	Contact mfr.	Six handpieces. Patented Krypton technology for spectral output. Large spot size. Up to 1 Hz repetition rate.	Cleared
Solarus AR	Pulsed Light	420 – 1200 nm	Up to 12 J	20, 40, 60 ms	Contact mfr.	Three handpieces. Patented Krypton technology for spectral output. Large spot size. Up to 1 Hz repetition rate.	Cleared
Palomar							
StarLux Platform LuxV handpiece	Pulsed Light	400 – 700 nm, 870 – 1200 nm	Up to 26 J	0.5 – 500	Contact mfr.	Active contact cooling. Smooth pulse delivery.	Cleared
Photo Therapeutics, Inc.							
Omnilux Blue	LED	415 nm	Up to 55 J/cm ²	CW	Contact mfr.	Interchangeable Tx heads.	Cleared
Omnilux Revive	LED	633 nm	Up to 150 J/cm ²	CW	Contact mfr.	Interchangeable Tx heads.	Cleared
Sciton							
Profile	Modular Platform Er:YAG / Pulsed Light	Various	Up to 400 J/cm ²	0.1 – 200 ms, 1 – 10 sec	Starting at \$51,000	Configurable up to five laser modules, scanning systems, computerized scanner; 30 x 30 mm Tx, integrated cooling, IPL with 15 x 45 mm spot size, smart filters. Computerized scanner; 30 x 30 mm Tx; integrated cooling.	Cleared
Acne and Non-Ablative	Nd:YAG module	1319 nm	Up to 80 J/cm ²	10 – 200 ms	\$29,000		Cleared
BBL	Pulsed Light module	410 – 1400 nm	Up to 30 J/cm ²	Up to 200 ms, 1 – 10 sec	\$36,000		Cleared
Syneron							
eMax/eLight AC	Optical Energy / RF Electrical Energy	400 – 980 nm	Up to 18 J/cm ² / Up to 20 J/cm ³	N/A	Contact mfr.	25 x 12 mm spot size. Three year warranty.	Contact mfr.

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