



Laser	Quanta Discovery	Cutera Enlighten	Syneron Candela Picoway	Cynosure Picosure	Zarin/Focus/Lumenis Pico4
Wavelengths	1064 nm 532 nm 694 nm	1064 nm 532 nm 670 nm	1064 nm 532 nm 785 nm	755 nm 532 nm (Opt. Handpiece) 1064 nm (Opt. Handpiece)	1064 nm 532 nm  -And- Disposable Dye Polymer 585 nm 650 nm
Optional IPL	400 550 570 590 625 650 (All Chilled)	No	No	No	No
Pulse Modes	1. Picosecond (PS) 2. Nanosecond (NS) 3. Opti-Pulse 4. Photothermal (microsecond)	1. Picosecond (PS) 2. Nanosecond (NS)	1. Picosecond (PS)	1. Picosecond (PS)	1. Picosecond (PS) 2. Nanosecond (NS)
Peak Power	1.8 GW	0.80 GW	0.90 GW	0.267 GW	.83 GW (estimated; information not listed on website)
Max Energy (Energy Delivered)	1064nm = 800mJ 532nm = 400mJ 694nm = 1200mJ 1064 nm = 2J in Photothermal mode	1064nm = 600mJ 532nm = 300 mJ 670nm = ?	1064nm = 400 mJ 532nm = 200 mJ 785 = 85 mJ	1064nm = 165 - 200mJ 755 nm = 532 nm =	2J (Q Switched only)
Power (Fluence Range)	PS 1064nm = Up to 25 J/cm <sup>2</sup> PS 532nm = Up to 12 J/cm <sup>2</sup> QS 1064nm = Up to 50 J/cm <sup>2</sup> QS 532nm = Up to 19 J/cm <sup>2</sup> QS 694nm = Up to 30 J/cm <sup>2</sup> SP 1064 = 63 J/cm <sup>2</sup>	PS/QS 1064nm = 1.1 - 10 J/cm <sup>2</sup> PS/QS 532nm = 0.5 - 2.5 J/cm <sup>2</sup> PS/QS 670nm = ?	?	PS 755nm = ? PS 532nm = 1.1 J/cm <sup>2</sup> (Fixed)	?
Pulse Duration	PS 1064nm = 450ps PS 532nm = 370 ps QS 1064nm = 6ns QS 532nm = 6ns QS 694nm = 30ns SP 1064 = 250µs	PS 1064nm = 750ps PS 532nm = 750ps PS 670nm = ? QS 1064nm = 2ns QS 532nm = 2ns QS 670nm = ?	PS 1064nm = 450ps PS 532 = 375ps	PS 1064nm = 550ps (w/ Boost) PS 532nm = 600ps	1064 = 600ps
Repetition Rate	PS/QS 1064nm = Up to 10Hz PS/QS 532nm = Up to 10Hz QS 694nm = Up to 3 Hz SP 1064nm = Up to 10 Hz	PS/QS 1064nm = Single Shot - 10Hz PS/QS 532nm = Single Shot - 10Hz PS/QS 670nm = ?	1, 2, 3, 4, 5, 10Hz	532nm = 1, 2.5 5, 10Hz	Up to 10 Hz
Spot Size	2x2, 3x3, 4x4, 5x5 & 7.5 mm 9mm, and 10.5mm	2mm - 8mm	2, 3, 4, 5, 6, 7, 8, 9, 10mm	532nm = 1.5 & 2.0mm	2mm-15mm
Beam Profile	Optibeam II - Homogeneous	?	?	?	Gaussian
Beam Shape	Square and Round and Fractional	Round only	Round and Fractional	Round and Fractional	Round and Fractional
Consumables	No	No	Yes (Resolve Lense)	Yes (Focus Lens Array)	Yes (Dye Handpieces)
Laser Indications	1.) Tattoo Removal 2.) Benign Pigmented Lesions 3.) Fine Lines and Wrinkles 4.) Acne Scarring	1.) Tattoo Removal 2.) Benign Pigmented Lesions 3.) PICO Genesis	1.) Tattoo Removal 2.) Benign Pigmented Lesions 3.) Wrinkles & Skin Treatments	1.) Tattoo Removal 2.) Benign Pigmented Lesions 3.) Wrinkles 4.) Acne Scarring	1.) Tattoo Removal 2.) Benign Pigmented Lesions
Notes & Updates	1. Quanta's History of Tattoo Removal 2. With 1.8 Gigawatts of Power, this is the most power tattoo removal system on the market. 3. Opt. IPL (Hair, Photofacial, Acne)	1. Cutera is new to Tattoo Removal 2. No track record for 670nm in this application.	1. Resolve Mode for Skin Rejuvenation. 2. Picosecond Only	1. The Picosure's 532nm wavelength is a Laser-Pumped Laser Handpiece that converts the 755nm into a 532nm. 2. Focused Lens Array 3. 755nm not good for darker skin.	Device must be recalibrated EVERY time wavelength is changed  ONLY Picosecond device on the market that runs on 110v