








Orthodontic Lasers Chart

This comparison chart covers just a sample of the many lasers available on the market today.

					
Manufacturer	AMD LASERS	Biolase	Hoya ConBio	Ivoclar Vivadent	Ivoclar Vivadent
Machine name	Picasso	ezlase Soft Tissue Laser	DioDent Micro 980	Odyssey 2.4G	Odyssey Navigator
Wavelength	810nm	940nm or 810nm	980nm	810nm	810nm
Lasing Medium (eg: diode, solid state, etc.)	Diode	Diode	Diode, Solid State	Diode	Diode
Autoclave Fiber	Yes – three meter lasts about a year	No	Yes	No	No – disposable tips
Weight	Less than 2 lbs.	2 lbs.	4 lbs.	5.5 lbs.	2.5 lbs.
Electrical (in volts)	110-240V	100 to 240V ~ at 2A	120V	110V	110V
Footprint (dimensions)	15cm x 16cm x 23cm	3.5" x 7" x 2.5"	9" x 7" x 2"	6.25" x 8.75" x 5.5"	7" x 4" x 3"
Warranty	3 years	2 years	2 years	1 year	2 years
Retail Cost	\$3,495 for 1 unit or \$9,995 for three units	Contact Biolase or Henry Schein Representative	\$8,595	\$11,000	\$13,300
Watts	7 Watts	Up to 7 Watts	Up to 3.5 Watts	5 Watts	3 Watts

					
Ivoclar Vivadent	KaVo	KaVo	Millennium Dental Technologies	Sirona	Zap Lasers
Odyssey 3W	GENTLeray 980 Classic	GENTLeray 980 Premium	PeriOLase MVP-7	SIROLaser	StylaOrtho Microlaser
810nm	980nm	980nm	1064nm	970nm +/- 10nm	808nm
Diode	Diode	Diode	Diode	Diode	Diode Microlaser
No	Yes	Yes	Yes	Yes	No – disposable tip with fiber
5.5 lbs.	7.7 lbs.	9.9 lbs.	43 lbs.	Less than 1 lb.	1.9 oz.
110V	110V	110V	110/220V	110V	Battery Powered – Lithium Ion
6.25" x 8.75" x 5.5"	7" x 10.2" x 6.7"	7" x 10.2" x 6.7"	11" x 16.5" x 24.5" (includes cart)	7.5" x 3.4" x 2.1"	Handheld 6.9"
1 year	2 years	2 years	1 year	2 years	1 year
\$8,500	\$11,650	\$15,500	\$69,995 for the LANAP Package; \$42,995 device only	\$13,999	\$11,400
3 Watts	6 Watts	6 Watts standard and 12 Watts GENTLEpulse micro-pulse mode	6 Watts	7 Watts	0.1 to 2.0 Watts

continued on page 42