PerioLase® MVP-7™ Digital TruePulse™ Laser System

The elimination of gum resection helps preserve more of your patients' original gum tissue, enabling them to maintain their smiles and avoid unsightly root exposure and associated sensitivity. The **LANAP® protocol** reduces double-digit pocket depths to healthy levels.

SPECIFICATIONS

Laser Type	Class IV; TruePulse™ Free Running (FR) Pulsed Nd:YAG laser
Treatment Laser	1.064μ (micron) wavelength
Regulatory Clearance	FDA 510(k), legally marketed device in the U.S.A.
Energy Per Pulse	20-300 mJ
7 MVP Durations	100 μsec to 650 μsec (100, 150, 250, 350, 450, 550, 650)
Pulses per Second	10 to 100 Hertz (PPS)
Aiming Beam	CW 635 nm, 5 mW Red Diode with adjustable intensity
Average Power	Variable from 0.2 to 6 Watts depending on pulse rate
Delivery System	Flexible fiber optic with the TrueFlex® cannula handpiece
Dimensions (w/ cart)	11" (width) x 19" (depth) x 25" (height)
Cooling	Internal closed system, water to air
Power Requirements	110-120 VAC, 50/60 Hz, 8 Amps, Single phase; 200 - 240 VAC, 50 Hz, 4 Amps
Fiber Diameters	300, 360 and 400 micron
Laser/Cart Weight	45 lbs. [20.4 Kgs]/38 lbs. [17.2 Kgs]
Shipping Weight	50 lbs. [22.5 Kgs]/58 lbs. [26 Kgs]
International	Currently cleared for sale in the United States, Canada and many international counties. Made in the U.S.A.

ADDITIONAL FEATURES

Classic Monitor

Control Screen	Tilt screen with cover
Display	Touch-screen controller; procedure-driven menu w/ procedure/power presets pre-installed
Laser Power Supply	Digital circuitry
Alpha/Numeric Entry	Patient and doctor information, date/time stamp
Printer (thermal)	Displays total energy delivered and Joules of each pulse width/duration used
Power Meter	Built-in laser Power Meter records power at the fiber tip
Energy Display	Continuous display on touch-screen of energy used during procedures, measured in Joules

Enhanced Graphical User Interface*

Control Screen	Tilt screen control capable of full 3 axis rotation
Display	10.1 inch 24 bit color capability; procedure-driven menu
Laser Power Supply	Digital circuitry
Alpha/Numeric Entry	Doctor and patient information, date/time stamp
Printer	Ink Jet and laser printer with blue tooth interface; full data logging and reporting capability
Power Meter	Built-in laser power meter records power at the fiber tip
*eGUI	In beta manufacturing

MILLENNIUM DENTAL TECHNOLOGIES, INC.