

# ***NEW SPECTRUM IN LASER AESTHETICS***

*Unparalleled Features In ONE Super Compact Laser System!*

***DDC Technologies Presents:  
Dual Alexandrite & Nd:YAG Output***

***Find it all in one design:***

- **FAST**
- **RELIABLE**
- **POWERFUL**
- **ULTRA LIGHTWEIGHT HANDPIECE**
- **NO COSTLY CONSUMABLES**
- **RAPID SPOT SIZE CHANGES**
- **COMPACT**
- **VERSATILE**

*Polylase LP*®

***The Next Generation  
Dual Wavelength Laser  
for Hair Removal  
and Laser Aesthetics***



**FDA** Approved



**DDC TECHNOLOGIES**



## VERSATILITY AND INNOVATION

In our days, when the use of the light beam for hair removal became a widely known aesthetic procedure, the choice of the right device became very important. Every hair removal professional knows how critical the correct combination of many different parameters is for the final success of a treatment. Now the choice is easy: DDC Technologies POLYLASE LP dual wavelength system which features both Alexandrite and Nd:YAG lasers in one design, and offers you maximum flexibility in laser hair removal.

Only the POLYLASE LP provides a unique combination of the right wavelength, high fluence and correct pulse duration settings. Such flexibility lets you effectively treat patients with different skin types: The Alexandrite laser (755 nm wavelength) provides high efficacy for hair removal on light skin (types I-IV). This wavelength is also indicated for removal of age/sun spots (lentigines), purple veins, port wine stains and birth marks. The Nd:YAG laser provides the advantages of safe hair removal on dark/tanned skin (types IV-VI). The deeper penetration of the 1064 nm wavelength provides maximum efficacy for hair removal in deep follicles (e.g. man's beard, woman's bikini line, etc.). The wide range of pulse width (0.5 ms to 100 ms) and high repetition rate (up to 10 Hz) allows this machine to be one of the most effective for non-ablative wrinkle reduction (collagen rebuild) treatments. All this is possible with the POLYLASE LP without sacrificing the unique laser light features, such as high absorption selectivity and deep penetration. The correctly selected laser wavelength means that the light energy is absorbed into the targeted hair follicles while sparing the surrounding, healthy tissue. The POLYLASE also emits light energy in very carefully timed bursts or pulses to maximize the effectiveness of the treatment and decrease the risk of scarring or other skin tissue damage.



## SPEED AND POWER

It is obvious that the faster you can treat patients, the more profitable your practice will be! That's why DDC Technologies designed the POLYLASE for highest treatment speed as well as outstanding clinical results. In addition to the possibility of working at high pulse repetition frequencies (up to 10 pulse/sec), the POLYLASE LP comes with a unique Compressed Air Jet (patent pending) skin cooling system. This continuous action cooling allows conducting treatment at high pulse repetition rates, yet does not require any consumables!

And all this comes in a package that is one of the smallest and lightest among comparable laser and non-laser systems! This is the device that both large aesthetic centers and practitioners in small cosmetology offices have been looking for.

In fact, the POLYLASE can deliver its full specified energy per pulse at 2 pulses per second in both Alexandrite and Nd:YAG modes. High output energy allows using large spot sizes (up to 16 mm in diameter), which is very important for fast treatment of the large areas, such as man's back or legs.



## SIMPLE AND USER FRIENDLY



Laser Control Panel

With a weight of just 140 lbs and small 3.5 sq. ft. footprint, the POLYLASE LP can be easily installed in every medical office: big or small, ground floor, upstairs or downstairs. The efficient and quiet cooling system provides continuous laser operation at most typical hair removal settings, even in small rooms with ambient temperatures up to 80°F (27 °C). Two interactive laser controllers take complete care of the laser performance – so the operator can concentrate on taking care of his patient. A 7” color control panel display provides all key information regarding laser settings and operation parameters.

The actual delivered energy fluence is displayed after each pulse, adjusted for selected hand piece type / spot size. Most POLYLASE LP operating parameters are user selectable in order to provide versatile treatment regimes, yet the input is easy and intuitive with touch-screen display controls and memory settings. Once frequently used laser settings are defined, they can be stored in the systems’ memory for future recall. The pre-selected laser operating parameters can be activated by simply pressing one of the 5 memory buttons on the control panel. This can save precious treatment time by eliminating frequent laser parameter changes.

Before



After



Hair Removal Results

# POLYLASE LP®

Item	Description	
Laser Type	Long Pulse Alexandrite Laser	Long Pulse Nd:YAG Laser
Laser Wavelength	755 nm	1064 nm
Max. Energy Per Pulse, J	50 J	60 J
Laser Pulse Width	0.5-100 ms (user selectable)	0.5-100 ms (user selectable)
Max. Average Power	80 W	120 W
Pulse Repetition Rate	Single Shot – 5 Hz	Single Shot – 10 Hz
Beam Delivery	Optical fiber, 10 feet (3 m) length	Optical fiber, 10 feet (3 m) length
Optical Fiber Core Diameter	1000 $\mu$ m	1000 $\mu$ m
Handpiece Spot Size	10 mm, 12 mm or 16 mm dia.	10 mm, 12 mm or 16 mm dia. or 2 mm, 3 mm and 4 mm in “Vein” mode.
Max. Energy Fluence	25 J/cm <sup>2</sup> @ 16 mm spot size; 65 J/cm <sup>2</sup> @ 10 mm spot size	30 J/cm <sup>2</sup> @ 16 mm spot size 75 J/cm <sup>2</sup> @ 10 mm spot size High (>400 J/cm <sup>2</sup> ) fluence settings are available with small spot size (vein) objective.
Handpiece Cooling	Compressed chilled air jet	Compressed chilled air jet
Dimensions (HxWxL)	33”x 15”x 34.5” (845x380x880 mm)	
Weight	65 kg (140 lbs.)	
Power Requirements	208...240V single phase ~50/60Hz, 20A	
Noise Level	<70 dB	



## DDC TECHNOLOGIES

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**DANGER!**

VISIBLE and/or INVISIBLE LASER  
RADIATION. AVOID EYE OR SKIN  
EXPOSURE TO DIRECT OR  
SCATTERED RADIATION



70J max, 1-100 msec  
@ 755 nm - 1064 nm

CLASS IV LASER PRODUCT