

DermaLight

KTP Laser System



TREATMENT OF CHOICE FOR
VASCULAR AND PIGMENTED LESIONS



SAFE AND EFFECTIVE TREATMENTS

DermaLight is designed and engineered to be the most efficient and effective dermatology laser for vascular and pigmented lesions.

Laser Treatments for Vascular and Pigmented Lesions

With the gentle action of a light beam, DermaLight quickly and safely removes unwanted vascular and pigmented skin lesions. Precise treatments provide consistent and predictable results with minimal to no discoloration, swelling or complications.

Vascular Lesions

A vascular lesion is formed by abnormally large or numerous blood vessels located directly under the surface of the skin. These vessels may be visible through the skin or result in a red appearance of the skin. Spider veins or telangiectasia are the most common vascular lesions.



BEFORE



AFTER

Common Vascular Lesions

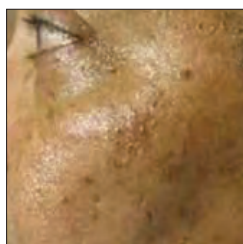
- **Telangiectasias** - Dilated facial vessels
- **Angiomas** - Slightly raised red lesions
- **Rosacea** - Red facial flushing around the nose and cheeks

Pigmented Lesions

Melanin is the dark pigment in skin and is produced by melanocytes. Pigmented lesions occur when an abundance of melanocytes are found in the skin. When dark pigment multiplies, it forms freckles, brown age spots and lentigines.



BEFORE



AFTER

Common Pigmented Lesions

- **Lentigines** - Flat brown spots on the skin that frequently occur due to sun exposure
- **Keratosis** - Slightly elevated pigmented spots often found on the back and chest
- **Dermatosis Papulosa Nigra (DPN)** - Small black raised lesions that occur primarily on people of Asian or African descent

OPTIMAL PATIENT OUTCOMES

DermaLight's advanced and versatile 532nm laser system is the safe and proven laser solution of choice for optimal patient outcomes.

Advanced Clinical Efficiency and Versatility

DermaLight is the clinical treatment of choice for vascular and pigmented lesions. It performs effective treatments of vessels and pigmentation while ensuring protection of surrounding healthy tissue.

DermaLight delivers comfortable treatments with no need for anesthesia and allows precise tissue interaction with minimal collateral tissue affected.

Using the principles of selective photothermolysis, DermaLight's 532nm wavelength is preferentially absorbed by oxyhemoglobin and melanin for predictable lesion removal without purpura or bruising.

Vascular

- Telangiectasias
- Spider Veins
- Hemangiomas
- Rosacea
- Venous Lakes
- Scar Revisions
- Poikiloderma

Pigmented

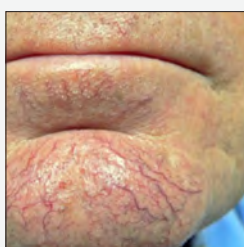
- Sun Damage
- Lentigines
- Dyschromia
- Benign Pigmented Lesions
- Raised Lesions
- Dermatositis Papulosa Nigra (DPN)

Other Treatments

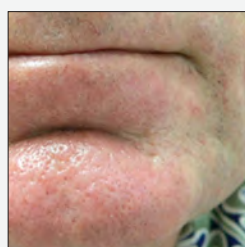
- Active Acne
- Plantar Warts

Proven Results and Clinical Outcomes

DermaLight is a safe, reliable and clinically proven laser system for dermatologists, plastic surgeons, cosmetic physicians and their staff.



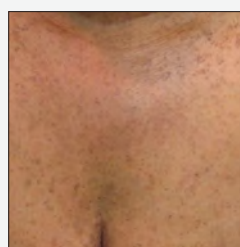
BEFORE



AFTER



BEFORE



AFTER

PROVEN EFFICACY AND AFFORDABILITY



DermaLight is the cost-effective laser solution. This solid-state KTP diode laser is reliable, easy to maintain and requires no disposables or expensive service contracts.

DermaLight Laser System

Consistent Power and Lasting Performance

- **Laser Cavity Bonding:** Patented design with a 5.0W laser cavity assures exceptional life span and stability of the system
- **Instant Duty-Cycle Circularity:** This feature assures stable and uniform treatment profile for maximized clinical outcomes
- **Superior Laser Crystal Coating:** Advanced coating technology offers 10 times higher damage threshold than most conventional KTP lasers, and enables reliable energy stability over prolonged use
- **Continuous System Monitoring:** Innovative monitoring technology continuously measures the system to ensure optimal performance for increased laser life span
- **Intuitive Messaging:** Provides immediate, user-friendly notifications in the rare event that the system is not performing at optimal level
- **Compact Design:** Ergonomic, space-saving design enables easy positioning and movement between treatment areas for enhanced workflow efficiency

“After just a few weeks, we were generating a profit. Not having disposables or high service fees has made the DermaLight laser an absolute winner by keeping costs down for our patients and our practice.”

— Richard M. Goldfarb, MD

Cosmetic Physician & Owner, The Center for Smart Lipo - Langhorne, PA

“We use our DermaLight KTP Laser every day. It is very effective for treating vascular and pigmented lesions. We are very satisfied with the affordability, reliability and ease of use of this system.”

— Dina N. Anderson, MD

Dermatologist, Clinical Instructor, Mount Sinai Hospital - New York, NY

EXTENSIVE FEATURES PROVIDE EASE OF USE

DermaLight's cutting-edge design includes precise power controls and an intuitive color touch screen, with stored treatment protocols that are comprehensive and easy to use.

Convenient and Portable

- **Foot Pedal:** Easily maneuverable foot pedal allows for convenient operation during treatments
- **Heavy Duty Carry Case:** Customized carry case allows easy transport between rooms and offices



Advanced LCD Touch Screen Interface

- **Built-In Protocols:** Includes built-in treatment protocols that are intuitive with easily adjustable parameters
- **Storage Capability:** Ability to store preferred treatment settings for different physicians and patients with various skin types

User-Friendly Handpiece

- **Flexible Fiber:** Durable handpiece for easy to perform cutaneous treatments
- **Lightweight and Advanced Design:** Comfortable and easy to maneuver probe ensures physician precision and patient safety



“Not only does the DermaLight laser include very comprehensive pre-set treatment protocols, it is also simple and incredibly easy to use. This laser is safe and effective whether you're new to using lasers or you're a seasoned professional.”

— Ayman El-Attar, MD
Founder, Derma Laser Centers of New Jersey - Mercerville, NJ

DermaLight

Technical Product Specification Summary

GENERAL SPECIFICATION	Electrical Input	100 to 230 VAC 50/60 Hz Single Phase (Standard Power)
	Power	400W
	Fuse Rating	T3.15AH250V @ 100-230 VAC (Time Lag)
	Temperature Range	Transport: -10 to 70°C, Operating: 15 to 30°C, Storage: -10 to 55°C
	Relative Humidity Range	Operating: 30% - 85% Non-Condensing Storage and Transport: Up to 95% Non-Condensing
	Atmospheric Pressure	Operating: 800-1060 mbar, Storage and Transport: 500-1060 mbar
	Cooling System	Fan Cooled and TECs for Laser Diode and Crystal
	Dimensions (Total)	130 mm (H) x 370 mm (W) x 330 mm (D)
	Weight	13 kg / 29 lbs (System), 20 kg / 44 lbs (Packed)
TREATMENT LASER	Laser Type	Diode Pumped Frequency Doubled YAG (KTP)
	Wavelength	532nm
	Mode of Operation	Continuous Wave
	Power Output	5W Maximum
	Power Adjustment	Variable from 0.05 to 5.0W
	Exposure Duration	0.01s to Continuous; and 0.2 to 10.0s in 0.1s increments
	Repeat Interval	Off to 3s - Selectable from 0.01 to 3.0s
	Operator Safety Glasses	OD4 at 532nm
	Laser Safety Class	Class 4
	Power Display Accuracy	Better than +/-20% of Actual
	Beam Divergence	< 0.2 NA
AIMING BEAM	Laser Type	Red Laser Diode
	Wavelength	635–650nm (Red)
	Mode of Operation	Continuous Wave
	Power Output	Maximum of 1.0mW
	Power Adjustment	Continuously Variable
	Laser Safety Class	Class 2
HANDPIECES	Spot Size	1mm & 3mm
	Fiber Length	2 Meters
	Beam Divergence	0.2 NA

*FDA registered model name: DermaLight

FDA
U.S. 510(k) Cleared
K091534



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