

# 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

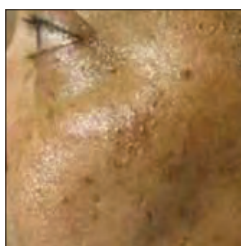
- **Telangiectasias** - Dilated facial vessels
- **Angiomas** - Slightly raised red lesions
- **Rosacea** - Red facial flushing around the nose and cheeks

### 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
- **Keratoses** - 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
- Port Wine Stains
- Poikiloderma

### Pigmented

- Sun Damage
- Lentigines
- Dyschromia
- Benign Pigmented Lesions
- Raised Lesions
- Dermatoses Papulosa Nigra (DPNs)

### Other Treatments

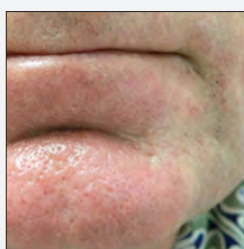
- Active Acne
- Plantar Warts
- Scar Revisions

## Proven Results and Clinical Outcomes

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



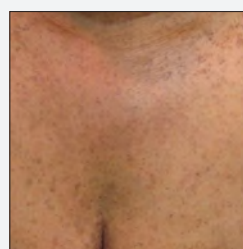
BEFORE



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:** Easily shipped via UPS/FEDEX

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“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.

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“ 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       | <b>Transport:</b> -10 to 70°C, <b>Operating:</b> 15 to 30°C, <b>Storage:</b> -10 to 55°C             |
|                       | Relative Humidity Range | <b>Operating:</b> 30% - 85% Non-Condensing<br><b>Storage and Transport:</b> Up to 95% Non-Condensing |
|                       | Atmospheric Pressure    | <b>Operating:</b> 800-1060 mbar, <b>Storage and Transport:</b> 500-1060 mbar                         |
|                       | Cooling System          | Fan Cooled and TEC's 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   |
|                       | 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  |
|                       | Safety Class            | Class 2  |
| HANDPIECES            | Spot Size               | 1mm & 3mm  |
|                       | Fiber Length            | 2 Meters   |
|                       | Beam Divergence         | 0.2 NA   |

