Vbeam® Prima

The go to laser for vascular and dermatologic conditions

Advanced pulsed-dye laser (PDL) and Nd:YAG

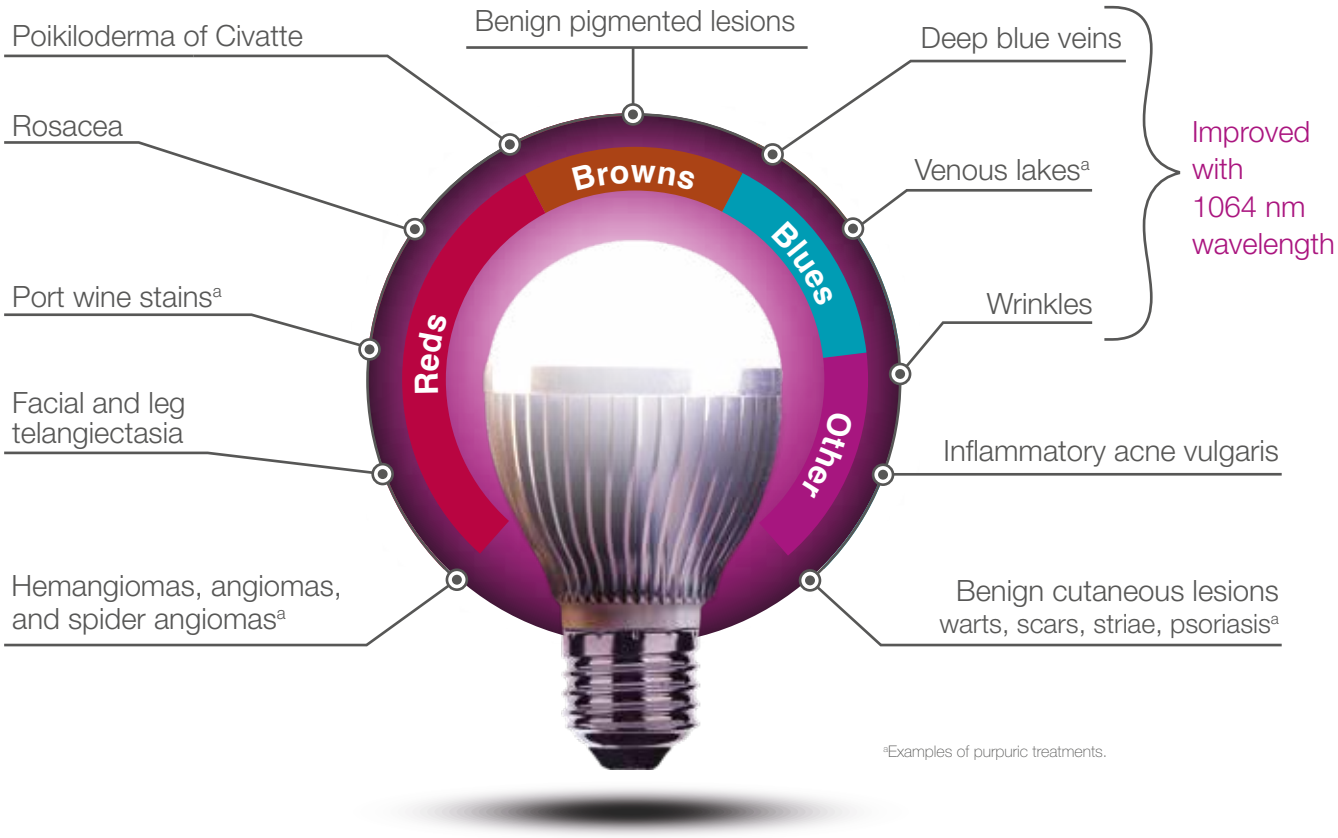
CANDELA™

Science. Results. Trust.

Clinically proven results across indications

Versatile treatments

The Vbeam® Prima system is a highly efficient pulsed-dye laser (PDL) used by healthcare providers all over the world to treat a variety of indications for both face and body, including benign vascular, pigmented, and certain non-pigmented lesions, with high patient tolerability and a low incidence of side effects.[1-12]



[a]Examples of purpuric treatments.

A legacy of innovation

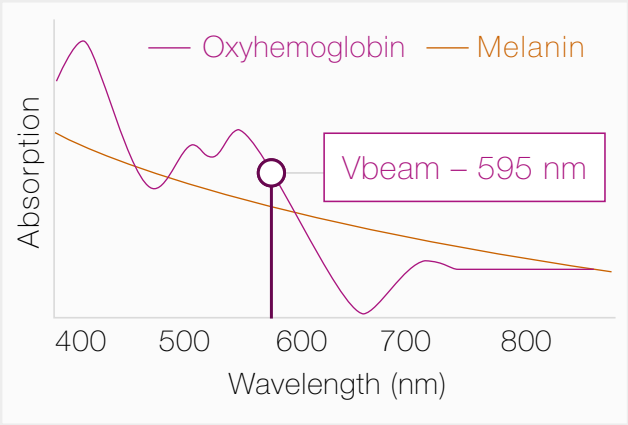
1983	1988	1994	1996
Anderson/Parrish	**SPTL-1**	**SPTL-1b**	**ScleroPlus®**
MGH/Harvard	577 nm, first FDA-cleared PDL	585 nm	585 nm, 590 nm, 595 nm, 600 nm

SPTL, selective photothermolysis.

Two wavelengths, more treatment parameters

Proprietary 595 nm wavelength

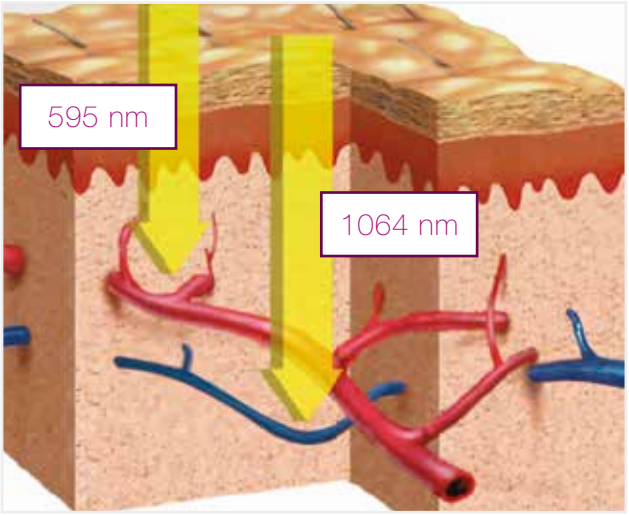
The 595 nm wavelength deeply penetrates the skin to reach targeted blood vessels.[4] Its energy is absorbed by oxyhemoglobin to coagulate and clear vessels with more tolerability and fewer instances of melanin absorption.[13]



Additional 1064 nm wavelength

Treat deep blue veins, venous lakes, and wrinkles![12]

- Treats blue veins across face and body
- Minimizes the appearance of wrinkles



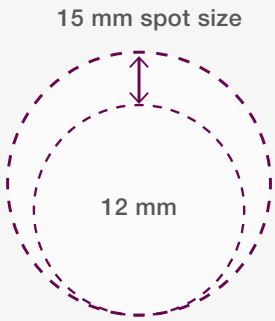
2000
Vbeam Classic
595 nm

2006
Vbeam Perfecta®
595 nm
8 micropulses

2018
Vbeam Prima
595 nm and 1064 nm

New features that benefit both the provider and patient experience

Achieve greater results in less time



Larger max treatment spot size and greater max energy with 595 nm

- Faster, more efficient treatments
- A treatment that requires 100 pulses with a 12 mm spot size can require as few as 64 pulses with a 15 mm spot size

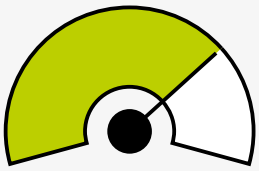
	VBEAM PERFECTA	**VBEAM PRIMA**
Maximum energy	8 J	**12 J**
Maximum spot size	12 mm	**15 mm**
Area covered	1.13 cm^2	**1.77 cm^2**
Fluence at 12 mm	7.00 J/cm^2	**9.75 J/cm^2**
Fluence at 15 mm	—	**6.75 J/cm^2**

Up to **50%** more powerful

EverCOOL

Cryogen-based Dynamic Cooling Device™ (DCD™) and EverCool™ contact cooling options

- Two types of cooling for maximum versatility and epidermal protection
- The DCD scales with fluence to automatically administer consistent epidermal protection
- With EverCool, you can treat vascular and pigmented lesions at the same time



Smart dye life management

- Dye life meter provides data on remaining dye levels
- Avoid unexpected treatment interruptions from dye loss
- Prompts user to schedule preventative maintenance

Calibration on first use

Device is patient- and treatment-ready for the entire day, reducing downtime between patients; no need to recalibrate when changing spot sizes or fluences

Zoom handpiece

A versatile handheld applicator that allows for very targeted spot size adjustments in increments as small as 0.5 mm

Wi-Fi connectivity

More accurate remote service diagnostics for faster equipment servicing

Guided user interface

Intuitive, easy-to-use software with quick access to saved, favorite treatment settings

Powerful results begin with the Vbeam® Prima Platform

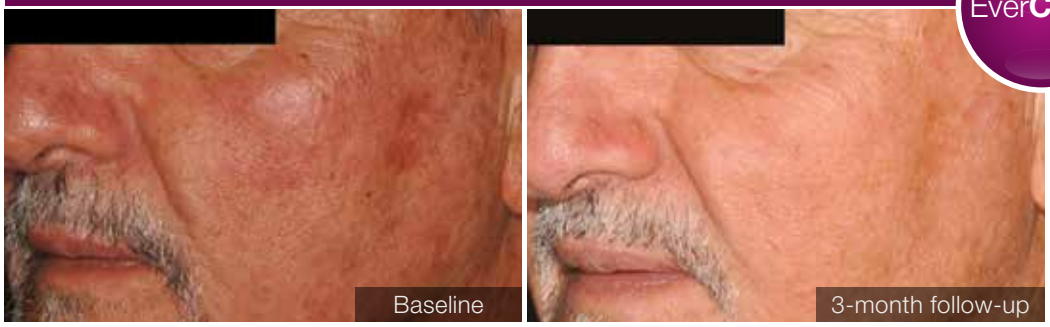
The Vbeam Prima Platform is the trusted, proven PDL across indications[14]

Telangiectasia

Photos are unretouched. Patient treated with Vbeam Prima; individual results may vary. Photos courtesy of E. Victor Ross, MD.

Pigmentation

with EverCOOL



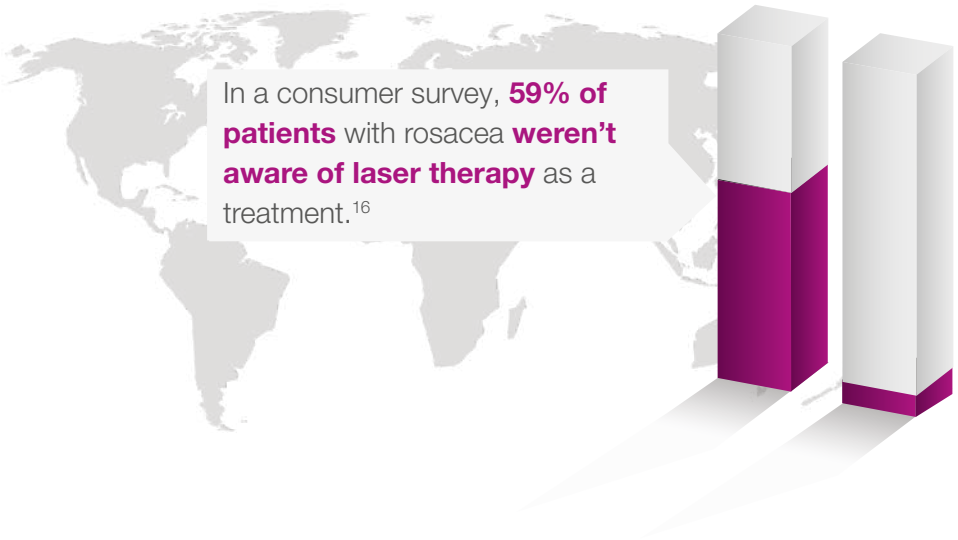
Photos are unretouched. Patient treated with Vbeam Prima; individual results may vary. Photos courtesy of E. Victor Ross, MD.

Diffuse redness

Photos are unretouched. Patient treated with Vbeam Prima; individual results may vary. Photos courtesy of E. Victor Ross, MD.

Demand the best for your patients

Rosacea affects an estimated 415 million people worldwide[15]



In a consumer survey, **59% of patients** with rosacea **weren't aware of laser therapy** as a treatment.[16]

Only 8% of surveyed patients said they **had undergone laser therapy** as part of their rosacea treatment plan.[16]

Significant improvements in rosacea symptoms with Vbeam Prima[17]

In a clinical study, rosacea symptoms were significantly reduced from moderate to mild after 4 treatments.

- ☑ Difficult-to-treat erythema was reduced from severe to mild
- ☑ ~90% of patients had >40% rosacea improvement

94% of patients reported being very satisfied with results[17]

Photos are unretouched. Patient treated with Vbeam Prima; individual results may vary. Photos courtesy of Eric F. Bernstein, MD, MSE.

Minimal adverse side effects reported[17]

On a scale of 1 to 10 (10=max), patients reported an average pain score of 5.6 ± 1.8. Most patients reported side effects such as mild edema, mild to moderate erythema, and mild to moderate bruising. These effects resolved within a few days after treatment without intervention.

Vbeam® Prima

Technology you trust
Innovation you need

Experience the benefits of the Vbeam Prima system for versatile treatments with proven results

PRODUCT SPECIFICATIONS	
Laser wavelengths	› PDL: 595 nm › Nd:YAG laser: 1064 nm
Laser pulse repetition rate	› PDL: Up to 1.5 Hz › Nd:YAG laser: Up to 10 Hz
Laser pulse duration	› PDL: 0.45-40 ms › Nd:YAG laser: 0.5-60 ms
Maximum pulse energy	› PDL: 12 J › Nd:YAG laser: 45 J
Method of optical output	Lens-coupled optical fiber with user-selectable spot sizes
Networking method	Wi-Fi
Dimensions (H x W x D)	53 x 20 x 33 in / 135 x 51 x 84 cm
Weight	280 lbs / 127 kg
Electrical requirements	200-240 VAC, 24 A max, 50/60 Hz, single phase
Cooling methods	Dynamic Cooling Device (DCD) and EverCool contact cooling
Dynamic Cooling Device (DCD) Integrated controls, cryogen container, and handpiece with distance gauge	
Cryogen	HFC 134a
DCD spray duration	User-adjustable range: 0-100 ms
DCD delay duration	User-adjustable range: 10-150 ms
DCD post-spray duration	User-adjustable range: 0-50 ms
Beam spot sizes	› 3-15 mm Zoom handpiece › 3 x 10 mm › 1.5 mm
EverCool contact cooling User-controlled, adjustable sapphire cooling tip for use pre, during, and post pulse	
Temperature range	10°C-20°C
Beam spot size	3-15 mm Zoom handpiece

- **Larger 15 mm spot size and 50% greater power at 12 J with 595 nm**— for faster, more efficient treatments
- **Calibration on first use** — for less downtime between treatments, and more efficient treatments when using a variety of settings
- **Smart dye life management**— for real-time data on remaining dye levels
- **1064 nm wavelength**— for deep blue vessel clearance and wrinkle reduction
- **Cryogen-based DCD and EverCool contact cooling**— for maximum epidermal protection and treatment versatility

For more information about how Vbeam Prima may help you achieve your practice goals, visit candelamedical.com

1. Vbeam 510(k) clearance (K033461), January 2004. **2.** Vbeam 510(k) clearance for pigmented lesion handpiece accessory (K051359), July 2005. **3.** Bernstein EF, Kligman A. Rosacea treatment using the new-generation, high-energy, 595 nm, long pulse-duration pulsed-dye laser. *Lasers Surg Med.* 2008;40(4):233-239. **4.** Woo SH, Ahn HH, Kim SN, Kye YC. Treatment of vascular skin lesions with the variable-pulse 595 nm pulsed dye laser. *Dermatol Surg.* 2006;32(1):41-48. **5.** Chapas AM, Eickhorst K, Geronemus RG. Efficacy of early treatment of facial port wine stains in newborns: a review of 49 cases. *Lasers Surg Med.* 2007;39(7):563-568. **6.** Jasim ZF, Woo WK, Handley JM. Long-pulsed (6-ms) pulsed dye laser treatment of rosacea-associated telangiectasia using subpurpuric clinical threshold. *Dermatol Surg.* 2004;30(1):37-40. **7.** Jørgensen GF, Hedelund L, Hædersdal M. Long-pulsed dye laser versus intense pulsed light for photodamaged skin: a randomized split-face trial with blinded response evaluation. *Lasers Surg Med.* 2008;40(5):293-299. **8.** Halachmi S, Israeli H, Ben-Amitai D, Lapidoth M. Treatment of the skin manifestations of hereditary hemorrhagic telangiectasia with pulsed dye laser. *Lasers Med Sci.* 2014;29(1):321-324. **9.** Yu W, Ma G, Qiu Y, et al. Prospective comparison treatment of 595-nm pulsed-dye lasers for virgin port-wine stain. *Br J Dermatol.* 2015;172(3):684-691. **10.** Galeckas KJ, Ross EV, Uebelhoer NS. A pulsed dye laser with a 10-mm beam diameter and a pigmented lesion window for purpura-free photorejuvenation. *Dermatol Surg.* 2007;34:1-6. **11.** Madan V, Ferguson J. Using the ultra-long pulse width pulsed dye laser and elliptical spot to treat resistant nasal telangiectasia. *Lasers Med Sci.* 2010;25(1):151-154. **12.** Indications for 1064 nm wavelength. Candela, data on file. **13.** Bernstein EF. The pulsed-dye laser for treatment of cutaneous conditions. *G Ital Dermatol Venereol.* 2009;144(5):557-572. **14.** Ross EV. Vbeam Prima before and after photos. Candela, data on file. **15.** National Rosacea Society website. https://www.rosacea.org/weblog/415-million-people-affected-rosacea-worldwide. Accessed May 8, 2018. **16.** Consumer rosacea laser attitude and behavior exploratory: final report. September 7, 2017. BuzzBack Market Research. **17.** Bernstein EF, Schomacker K, Paranjape A, Jones CJ. Pulsed dye laser treatment of rosacea using a novel 15 mm spot size. Candela, data on file.

CANDELA™
Science. Results. Trust.

CE 0123