

# Vbeam Perfecta®

Gold Standard for  
Vascular Lesions  
and Malformations



 **CANDELA™**  
Science. Results. Trust.



# Vbeam Perfecta®

## Experience Pulsed Dye Laser Leadership

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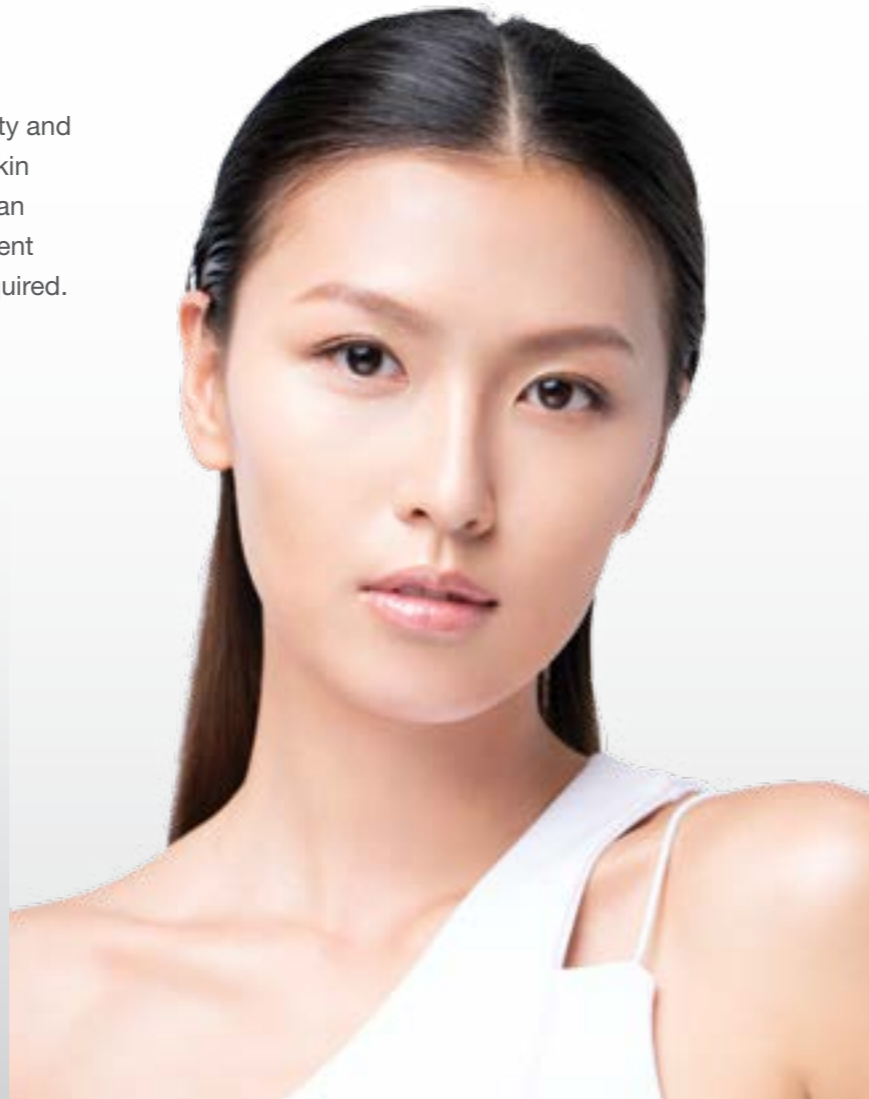
The Vbeam Perfecta system is a pulsed-dye laser which is the gold standard for vascular lesions and malformations.

Time and again it proves itself as an easy-to-use tool for the treatment of vascular, pigmented and certain non-pigmented lesions with a low incidence of side effects. Its broad variety of indications and outstanding performance characteristics make it a 'must have' laser and a smart investment.

#### The Vbeam system can do it all

The Vbeam Perfecta device offers a huge capability and treatment efficiency for vascular and pigmented skin lesions. It uses 8-micropulses to allow the physician to treat with or without purpura, increasing treatment efficiency or reducing patient down time when required.

Achieve excellent results in the treatment of a number of non-vascular lesions, including warts, psoriasis, poikiloderma of Civatte, striae and scars.



#### Treatment spot sizes

The widest variety of treatment spot sizes and distance gauges.

3 x 10, 3, 5, 7, 10 & 12mm treatment spots for vascular lesions.

7 x 10mm PL compression hand piece for pigmented lesions.

#### Ergonomic handpiece

Contoured design reduces wrist strain and increases operator comfort.

Compact size is comfortable for women and others with smaller hands.

One piece quick disconnect spot cartridge distance gauges are easy to insert, remove and clean.

Microchip in the distance gauge calibrates the system to the correct spot size.



#### Intuitive Touch Screen

SMART User Interface with Guided Mode includes presets for a wide variety of vascular and pigmented lesion indications while providing seamless direct access to settings for expert users.

#### Energy output versatility

The Vbeam Perfecta device offers full range energy output at all its pulse widths and treatment spot sizes.

#### DCD™ Cooling

Integrated Dynamic Cooling Device™ saves time, is operator independent, scales with fluence and offers consistent protection of the epidermis.

"In my laser practice, there isn't a day that goes by where I don't use Vbeam system. It's really a workhorse laser at our practice."

Brian Zellickson, M.D., Minneapolis, Minnesota



# Vbeam Perfecta®

## Mechanism of action

### The Vbeam Laser System

The Vbeam Laser System is a flashlamp-excited pulsed dye laser indicated for dermatological applications. It delivers pulsed laser energy at a wavelength of 595nm that passes through the dermis and epidermis skin layers and is absorbed by the oxyhemoglobin in the blood vessels rather than by the surrounding tissue.

### Selective Photothermolysis

Selective Photothermolysis is the process of targeting a specific chromophore. Vbeam targets oxyhemoglobin. Ideally, the wavelength selected for eradication of vascular lesions is highly absorbed by the lesion and only minimally absorbed by other competing chromophores in the skin.

### Pulse duration

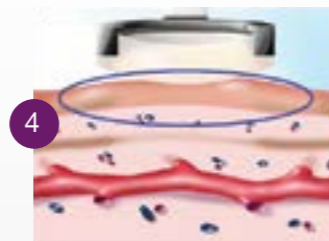
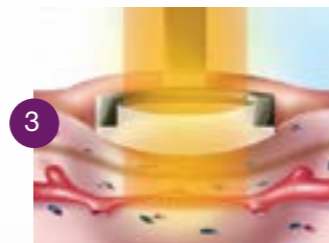
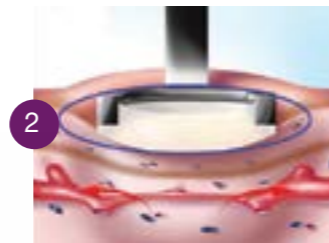
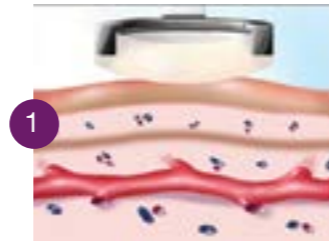
By varying the pulse duration, treatments can be performed purpurically (with bruising) by rupturing the blood vessel, or sub-purpurically by slowly heating the vessel causing coagulation of the blood vessel.

### Unique micro-pulse design

The pulses delivered with the Vbeam device can be divided into a maximum of 8 micro-pulses, thus delivering the total energy with consistent, uniform distribution across the entire pulse.

### Treating pigmented lesions

The Vbeam device can be used to treat superficial, benign pigmented lesions by using a special hand piece. The hand piece applies pressure to the area, causing bleaching of the underlying blood vessels. The 595nm laser, in the lack of presence of oxyhemoglobin will be now absorbed by the melanin in the skin.



## Vbeam indications

- Purpura-free Treatments
- Facial Telangiectasia
- Nasal Telangiectasia
- Wrinkles
- Leg Veins
- Telangectatic Matting
- Poikiloderma
- Inflammatory Acne Vulgaris
- Benign Pigmented Lesions
- Benign Vascular Lesions

### Indications where purpura is a desired endpoint

- Port Wine Stain
- Spider Angioma
- Scars
- Cherry Angioma
- Hemangioma
- Venous Lake
- Warts (non facial)
- Striae
- Psoriasis

## Clinically proven results across indications

### Benign Pigmented Lesion



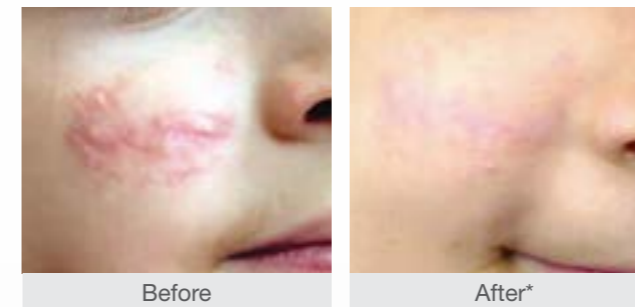
Photos courtesy of A. Kauvar, M.D.

### Facial Telangiectasias



Photos courtesy of E. Rostan M.D.

### Scar



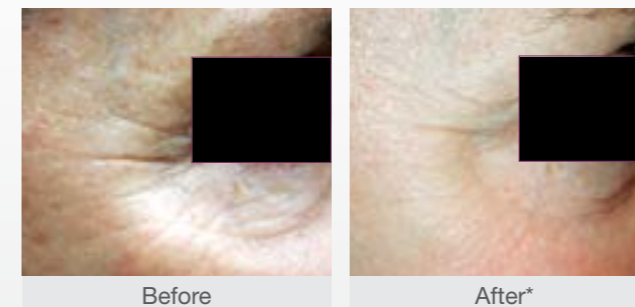
Photos courtesy of Jeffrey S. Dover, M.D.

### Leg Veins



Photos courtesy of C. Trigueiro, M.D.

### Wrinkles



Photos courtesy of Stephen W. Eubanks, M.D.

### Rosacea



Photos courtesy G. Goldberg, M.D.

"With the Vbeam Perfecta device, a clinician can also address many pigmented lesions in addition to vascular concerns. Having the ability to treat both vascular and pigmentary changes makes it a versatile instrument."

Jerome Garden, M.D., Chicago, Illinois

\*All photos are unretouched. Individual results may vary.



# Creating results for patients and practices

- Excellent results for the full range of vascular and cutaneous lesions
- The gold standard for treating port wine stains
- Advanced pulsed dye laser technology for best-in-class treatment efficiency

Most clinically-validated vascular device

**75% improvement**  
of rosacea-associated telangiectasia after one sub-purpuric treatment<sup>1</sup>

Pulsed dye laser is a **successful and efficient** laser for **port wine stain in darker skin type**<sup>2</sup>

Improves rosacea successfully having an average score decrease from 2.7 to 1.4<sup>3</sup>

**2.7**

**1.4**

The average rosacea score as estimated by the treating physician decreased from 2.7±1.1 to 1.4+ 0.7 (mean+SD) on a 0-6 scale with 0 representing no rosacea and 6 representing the most severe rosacea (P<0.001 level).

## Trusted brand advanced technology

**600+**  
Hospitals and universities\*

**23**  
Countries use the technology\*

**4500+**  
Users world wide\*

# GentleCool Pro

The new premium GentleCool Pro DCD Cryogen featuring genuine Chemours HFC 134a US 20 in an improved, innovatively designed aluminium canister.



The benefit of DCD compared to any other cooling method is it is completely operator independent. DCD provides epidermal protection with each pulse.

Unlike steel cryogen canisters, Candela's aluminium canister provides thermal properties for fast system start up and cryogen output.

The tamper-proof Candela icon on the bottom of every canister guarantees you are using genuine GentleCool Pro DCD Cryogen.

## Advantages of using GentleCool Pro DCD Cryogen:

- 1. Premium Quality**  
GentleCool Pro cryogen is 99.9% pure with less than 20 PPM unsaturates designed for optimal DCD performance.\*
- 2. Newly Designed Aluminium Canister**  
Designed to provide consistent output pressure to ensure the right amount of epidermal protection with every pulse
- 3. Quality Manufacturing**  
Rigorous inspection and cleaning methods keep contaminants out of the DCD line
- 4. Customer Convenience**  
A new box of 15 canisters per case provides improved ordering and inventory convenience
- 5. Exclusively from Candela**  
Top of the line product with Candela guarantee and availability on an ongoing basis

\*Data on file, Candela Corporation.

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VBEAM PERFECTA: SYSTEM SPECIFICATIONS		
Laser Type	Pulsed Dye	
Wavelength	595 nm	
Pulse	0.45-40 ms	
Spot sizes (diameter) with maximum energy	3 mm - 40 J/cm <sup>2</sup> 5 mm - 30 J/cm <sup>2</sup> 7 mm - 20 J/cm <sup>2</sup> 10 mm - 10 J/cm <sup>2</sup>	12 mm - 7 J/cm <sup>2</sup> 3 x10 mm - 25 J/cm <sup>2</sup> 7 mm PL - 15 J/cm <sup>2</sup> 10 mm PL - 10 J/cm <sup>2</sup>
Beam delivery	Lens-coupled 3m optical fiber with handpiece	
Pulse control	Finger switch, foot switch	
Dimensions	43" H x 16" W x 30" D (109 cm x 40 cm x 76 cm)	
Weight	290 lbs. (132 kg)	
Electrical	230 V 50/60 Hz, single phase, 18A	
Optional Dynamic Cooling Device		
Integrated controls, cryogen container and handpiece with distance gauge		
Cryogen	Chemours HFC 134a US 20	
DCD spray duration	User adjustable range: OFF-100 ms	
DCD delay duration	User adjustable range: 10-100 ms	

**For more information** about how the Vbeam Perfecta system may help achieve your practice goals, contact your local Candela sales professional or visit [candelamedical.com](http://candelamedical.com)

References. **1.** Jasim S.F, et al., The American Society of Dermatologic Surgery, 2004, Long-Pulsed (6-ms) Pulsed Dye Laser Treatment of Rosacea-Associated Telangiectasia Using Sub-purpuric Clinical Threshold Vol 30:37-40 **2.** Thajjuheen C.P., Jyothy, K. and Priyadachini A., Journal of cutaneous and aesthetic surgery, 2014, Treatment of Port-Wine Stains with Flash Lamp Pumped Pulsed Dye Laser on Indian Skin: A Six Year Study, 7(1): 32-36 **3.** Bernstein, E, Kligman A, Laser in Surgery and Medicine, 2008, Rosacea treatment using the new generation, high energy 595nm long pulse duration pulsed dye laser 40: 233-239