



## VBEAM – THE SAFEST, EFFECTIVE & MOST TRUSTED PULSE DYE LASER

### *With Advanced Micropulse Technology*

With a 20-year proven track record, the versatile, non-invasive **Vbeam pulse dye laser (PDL)**, from **Candela Corporation (Wayland, MA)**, remains the standard of care as the safest, effective and most trusted technology for the treatment of a wide range of vascular conditions, skin rejuvenation, and pigmented lesions, with purpura-free results and no downtime. The superiority of the device is made possible through the company's advanced micropulse technology which delivers energy in 8 variable mini-pulses, instead of 4, to ensure optimal performance levels (pulse duration ranges from 0.45–40 ms). In addition, the company's patented Dynamic Cooling Device™ (DCD™) provides consistent, reproducible epidermal cooling and unmatched comfort for patients. The Vbeam treats cutaneous vascular lesion in patients of all skin phototypes quickly, comfortably, and effectively.

The versatility of the Vbeam is unmatched by any other device and it has more treatment indications than any other laser available. "Without question, the Vbeam is the Gold Standard for the treatment of cutaneous vascular lesions in general and port wine stains and hemangiomas in infants and young children, in particular," notes J. Stuart Nelson, M.D., Ph.D., Medical Director, Beckman Laser Institute, University of CA, Irvine (Irvine, CA). "With this device, I can effectively treat angiomas, telangiectasias, venous lakes, poikiloderma of Civatte, and redness associated with acne, post-traumatic and surgical scars and stretch marks. I am able to treat successfully diffuse redness of the face in patients with rosacea. The device is also quite useful for the treatment of leg veins." Dr. Nelson remarks that there are other non-specific uses where hemoglobin is not the specific target. "If longer pulse durations of the laser are used, the heat that was initially developed on the inside of the blood vessel will subsequently diffuse into the perivascular collagen, thereby stimulating new collagen formation within the skin. This can be very useful for not only skin rejuvenation, but also for wrinkle improvement." Dr. Nelson also mentions that the device has a compression hand piece whereby the physician can actually take the hand piece and press on the skin to evacuate hemoglobin from within the blood vessels exposed to the laser beam. "This can be very

useful for the treatment of pigmented lesions, such as lentigines, freckles, and sun and age spots."

The Candela Vbeam not only sets the standard for technology, but also for safety. "The Vbeam is one of the safest devices that has ever been developed by the medical laser industry," say Dr. Nelson. "Patient safety is just one more benefit of this proprietary cooling technology." The DCD™, Candela's patented cooling system, selectively cools the most superficial layers of the skin, including the epidermis, with a millisecond burst of cryogen just before the laser pulse is delivered. Dr. Nelson explains, "The cooling is precisely confined to the most superficial layer of the skin and, therefore, you are not cooling the deeper targeted blood vessels, which commonly occurs with other cooling devices, such as contact cooling or forced air chilling." Dr. Nelson also points out that the user is able to select the cooling spurt duration as well as the delay between when the cooling spurt ends and when the laser pulse is actually delivered to the skin. "This gives the option to use longer cooling spurts for patients with darker skin phototypes and shorter spurt durations for patients with lighter skin phototypes. Best of all, the patients benefit from the cooling by way of pain reduction associated with the laser procedure."

Dr. Nelson believes another unique feature that sets the Vbeam apart from other devices is the flexible user-specified pulse duration. "The user can select pulse durations that are as short as 0.45 ms if there is interest in targeting very, very small blood vessels or, alternatively, the user can choose pulse durations that are as long as 10–40 ms if the objective is to destroy much larger blood vessels. This range of pulse durations allows the physician to treat safely a very wide variety of cutaneous vascular lesions in infants, young children, and adults."

Like all Candela products, the Vbeam is backed by Candela's unmatched training, marketing and service support.

For more information about the Vbeam Perfecta, please call (800) 33-8558 or visit our website at [www.candelalaser.com](http://www.candelalaser.com).