

excelV™

Most Powerful 532 nm KTP
& 1064 nm Nd:YAG laser:

- New standard for vascular and benign pigmented lesions
- High energy, short pulse widths
- No disposables or consumables



The Excel V offers a best-in-class technology for the treatment of vascular and benign pigmented lesions. Excel V's unique design allows combinations of pulse widths, spot sizes and fluences at both 532 nm and 1064 nm exclusively.

More Treatments in One System

A diverse group of vascular conditions requires a wide range of parameters and until now has often required multiple systems for effective treatments. The Cutera Excel V laser delivers the right combination of wavelength, fluence, pulse width, and spot size for effective treatment of many vascular conditions with one system.

CoolView



532 nm - KTP

Spot: 2 - 12 mm

Fluence: 1.8 - 42 J/cm²

Pulse: 1.5 - 40 ms

The 532 nm wavelength is ideal for treating a vast range of vascular and benign pigmented lesions. The 532 nm wavelength has a 5x greater affinity for oxyhemoglobin than 595 nm, allowing for improved results, more selective treatments and greater patient comfort. 532 nm delivers excellent results in the treatment of telangiectasia, cherry angiomas, diffuse redness, poikiloderma and port wine stains.

1064 nm - Nd:YAG

Spot: 2 - 12 mm

Fluence: 2 - 300 J/cm²

Pulse: 5 - 60 ms

The long pulse 1064 nm mode is the perfect choice for treatment of deeper or thicker vascular lesions including leg veins, venous lakes and periorbital veins.

Genesis V



Micro Pulsed Nd:YAG

Spot: 8 mm

Fluence: 4 - 7 J/cm²

Pulse: 0.3 ms

The patented 1064 nm Laser Genesis procedure targets the micro-vascularity with microsecond high peak power pulse, reducing erythema while stimulating collagen production.¹ Laser Genesis is an excellent choice for treatment of diffuse redness, rosacea and scars.

¹C. Schmults, MD, R. Phelps, MD, D. Goldberg, MD; Erythema Reduction and Histologic Evidence of New Collagen Formation Using a 300-Microsecond 1064 nm Nd:YAG Laser. Arch. Dermatol., Vol. 140 (November 2004).

Advanced Design



Intuitive User Interface

- Recommends settings for common indications or allows direct selection for advanced users
- Programmable memory for frequently used settings

No Disposables or Consumables

- Integrated Sapphire cooling
- Solid-state design

Real-Time Calibration

- System continually monitors laser output to ensure each laser pulse is exactly the same.
- No waiting for calibration

Compact Design

- Small footprint
- 30-second start up
- Runs quiet and cool

Clinical Proof

Telangiectasia

A side-by-side, split-face study provides a true clinical comparison between KTP and pulsed dye laser systems. In this study, the 532 nm device was as effective as or more effective than the 595 nm laser in all subjects.²

- The KTP laser was found to be more effective than the pulsed dye laser in both individual telangiectasia and telangiectatic erythema after each treatment.
- The pulsed dye laser required three treatments to achieve the results achieved after two treatments with the KTP laser.
- 63% of patients noted the 595 nm pulsed dye laser was more painful than the 532 nm KTP laser.

Port Wine Stains (PWS)

Excel V for the first time allows short-pulse (1.5 – 10 msec) 532 nm treatments to be delivered in large treatment spot sizes at efficacious fluences, making it the ideal system for the treatment of PWS.

In a prospective clinical study of 15 subjects with PWS, a single treatment with Excel V's 532 nm output resulted in a significant improvement in color at one month, and minimal post treatment edema and purpura. Histological evaluation demonstrated treatment effects at depths of 0.35 to 4 mm with an observed reduction in vessel number and size at all levels of the dermis.³

²N. Uebelhoer, DO, M. Bogle, MD, B. Stewart, CCRC, K. Arndt, MD & J. Dover, MD, FRCP, FRCO; A Split-Face Comparison Study of Pulsed 532 nm KTP Laser and 595 nm Pulsed Dye Laser in the Treatment of Facial Telangiectasias and Diffuse Telangiectatic Facial Erythema. Dermatol. Sur., 33:441-448 (2007).

³Kavitha K. Reddy, MD, Jeremy A. Brauer, MD, Munir H. Idriss, MD, Robert Anolik, MD, Leonard Bernstein, MD, Lori Brightman MD, Elizabeth K. Hale, MD, Julie K. Karen, MD, Elliot T. Weiss, MD, Roy G. Geronemus, MD; Treatment of Port Wine Stains with a Novel 532 nm KTP Laser, J Drugs in Dermatol. 2013;12(1):66-71.

Intelligent Delivery



Adjustable Spot Size

- On-the-fly adjustments
- 2 mm to 12 mm
- Real time calibration

Parallel Cooling

- Variable temperature sapphire window
- Superior cooling before, during, and after each pulse
- Adjustable from 5 to 20° C
- Unsurpassed Patient Comfort

"The Excel V is a truly extraordinary device both in versatility and quality of result. It should create a paradigm shift for how we approach facial correction and enhancement with light-based applications."

- Barry DiBernardo, MD, Plastic Surgeon, Montclair, NJ

"I am using the Excel V laser for more and more indications and I am getting more imaginative with it. I use it for skin revitalization but I also use it on diffuse redness and telangiectasia. I use it for poikiloderma of the neck and I have found that it works better than anything else I have used in the past."

- Mary Lupo, MD, Dermatologist, New Orleans, LA

"With the Excel V we can quickly adjust the parameters. We can go from a large to small spot size, change the pulse duration and the wavelength, and choose the appropriate fluence to treat multiple conditions in one sitting, with incredible ease."

- Jeffrey Hsu, MD, Dermatologist, Naperville, IL

"In my practice, the Excel V laser has become our go to laser for the treatment of vascular and benign pigmented lesions."

- Neil Sadick, MD, Dermatologist, New York, NY

Excel V Results

Before

After

Telangiectasia



1 Treatment

Photo courtesy of E. Victor Ross, MD

Leg Veins



1 Treatment

Photos courtesy of Cadell's Laser Clinic

Poikiloderma



1 Treatment

Photos courtesy of Joely Kaufman, MD

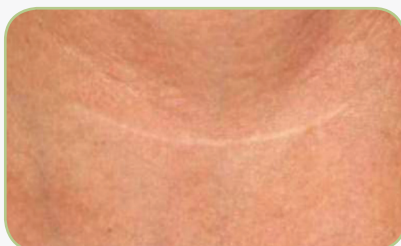
Periorbital Veins



1 Treatment

Photos courtesy of Greg Waslen, MD

Surgical Scars



3 Treatments

Photos courtesy of Cutera Clinical Research Center

Specifications

Excel V Handpieces				
	CoolView			Genesis V
Wavelength	532 nm	1064 nm		1064 nm
Fluence	1.8 to 42 J/cm ²	2 to 300 J/cm ²		4 to 7 J/cm ²
Pulse Duration	1.5 to 40 ms	5 to 60 ms		0.3 ms
Repetition Rate	0 to 4 Hz	0 to 2 Hz		0 to 10 Hz
Treatment Spot	101 Spot Options (2 to 12 mm)	101 Spot Options (2 to 12 mm)		8 mm
Epidermal Cooling	16 mm Sapphire Window	16 mm Sapphire Window		None Needed

For more information on Excel V, please visit www.ExcelV.com or contact your local representative.

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