

# Discus Dental NV MicroLaser

## Portable Diode Laser

*Dentistry's first microlaser, the pocket-size, wireless NV MicroLaser is completely portable yet just as powerful as conventional soft-tissue lasers.*

After a 2-year design and custom-engineering process, dentistry's first microlaser was introduced. According to Discus Dental, the 6.9-in, 1.9-oz NV MicroLaser is more than 20 times lighter than any other soft-tissue laser, yet just as powerful and more versatile.

As dentistry's first completely wireless laser, NV's lasing function is controlled with a 2.4-GHz foot pedal; a rechargeable lithium ion battery powers the micro diode. Custom features include preset procedures, pre-threaded disposable tips, an intelligent gravity sensor, and a compact charger that simultaneously charges 3 batteries in less than an hour and also serves as a between-procedure resting place.

### Portability

All 9 dentists who evaluated the NV MicroLaser rated its overall portability and its size/weight as excellent. Usefulness of NV's wireless design was rated as excellent by 7 evaluators and as very good by 2.

One dentist called portability the "patient wow factor" and another said, "That's why we purchased it." Comparing its size to that of a fountain pen, 1 evaluator called it "instantly portable due to its size and cordless design...super convenient." The dentist who called it "as light as a highlighter pen...you can't make a laser any smaller or lighter" also said



the wireless foot pedal "cuts down on the clutter of wires/hoses in the operatory." Two evaluators reported "plenty of [battery] power" throughout procedures.

### Precision and Ease of Use

When evaluators were asked about precision during procedures, NV—rated as excellent by 5 dentists and as very good by 4—was described as "the same as other diodes" and "a precise tool for gingival contour-

# PRODUCT REVIEW

ing and periodontal treatment.” One dentist noted that “small size and light weight allows for better precision.”

Ease of use was rated as excellent by 8 evaluators and as very good by 1. One evaluator said it “can deactivate relatively easily...sometimes, the key can turn slightly on the foot pedal.” The evaluator who called it “simple...light weight allows me to use it on many patients each day” also described it as “very well designed and easy to maneuver into the tightest, smallest environments.” The dentist who called it “super easy to use...handles like a dental hand-piece—balanced and comfortable” also called the learning curve “quite small.” One dentist “could use more literature for patient education.”

## Custom Features (Preset Procedures, Disposable Tips)

Power settings for 8 of the most common soft-tissue laser procedures are pre-programmed into the NV, and precisely placed magnets align and secure tips for exact fiber connection.

The usefulness of NV’s preset procedures was rated as excellent by 5 evaluators, as very good by 1, and as good by 3. One evaluator said the preset procedure menu “removes all guesswork concerning the power-mode decision.” Another dentist said, “All I need to do is darken the tip with a marker, set the procedure to the preset calibration, and start.”

NV’s disposable tips were rated as excellent by 7 evaluators and as very good by 2. One evaluator called them “the only way to go with a diode. By eliminating fiber management, NV becomes a device you use frequently

rather than occasionally.”

## Overall Satisfaction

All 9 evaluators said they would definitely recommend NV to colleagues; 8 said they would definitely purchase it and 1 said probably. One evaluator called it “easily the most portable [laser]. You carry the wireless

foot pedal and put the laser in your pocket with the sealed disposable tip.” Two dentists reported “little or no patient discomfort” and 1 evaluator said, “The 3 Ps in laser dentistry are portability, power, and proficiency. The NV delivers them perfectly.” Overall satisfaction was rated as excellent by 8 evaluators and as very good by 1.

### NV MicroLaser

Discus Dental  
8550 Higuera Street  
Culver City, CA 90232  
800.422.9448

**Company Website:**  
www.discusdental.com

**Suggested Retail Price:**  
\$11,400.00; financing is available for as little as \$326.00/month

**Pros:**  
Portability  
Wireless design  
Size and weight  
Ease of use  
Precision during procedures  
Custom features (preset procedures, disposable tips)

**Cons:**  
None reported by the evaluators

RATING

4.8

Dental PRODUCT SHOPPER

BEST PRODUCT

2009

### Evaluation Snapshot

Number of evaluators:	9	Average Score (out of 5)
Combined years in practice:	198	

Criteria	
Section A	
Ease of use	4.9
Size and weight	5.0
Ergonomics	4.6
Portability	5.0
Precision during procedures	4.6
Disposable tips/elimination of fiber management	4.8
Battery power and life	4.3
Preset procedures (usefulness of)	4.2
Ease of integration into practice	4.6
Reduction in patient postoperative discomfort	4.4
Usefulness of NV being wireless (advantages)	4.8
SECTION A AVERAGE: 4.7	
Section B	
Overall satisfaction	4.9

Average of Sections A and B = 4.8

OVER

140

REVIEWS

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