

[Home](#) » [Back](#) » [News](#)

Advertisement



Dental Office Setup



- **Dental Office Setup?**
Moving to a new location? Looking for equipment financing?

New Feature



- **The Modern Operatory**

New Dental Products



- **GENTLEray 980 Premium Soft Tissue Diode Laser** from KaVo Dental Corporation
- **More New Products...**

Dental Newsletters

Neks Technologies Launches Detector Mini-The First And Only Intelligent Handheld Calculus Detection Device

3/19/2007

Source: MARKET WIRE

Thomas Hinman Dental Meeting, Booth # 2014- Neks Technologies Inc, a company specializing in developing and manufacturing innovative dental products, today announced the launch of their new DetecTar™ mini, the first and only intelligent diagnostic aid to assist clinicians in the accurate detection of sub-gingival calculus. The DetecTar mini helps dentists, hygienists and periodontists to locate and diagnose calculus in a minimally invasive, pain-free manner. Based on state-of-the-art Light Emitting Diode (LED) and fiber optic technologies, the DetecTar mini detects up to three (3) times more calculus than traditional periodontal probes and has been shown to reduce over-detection by 64%, according to a clinical study conducted by McGill University. (1)

"Practicing preventative dentistry has become increasingly important to clinicians who want to preserve healthy tooth structure and maintain overall patient health. Clinicians want minimally invasive tools like the DetecTar mini to help easily and quickly locate calculus before the onset of gum disease which can lead to tooth loss as well as other serious and sometimes life-threatening diseases," said Dr. Naim Karazivan, president/co-founder of Neks Technologies.

Studies have shown that most adults over the age of 30 have calculus. According to a National Institute of Dental Research (NIDR) study, tartar buildup is prevalent in over 90% of individuals examined where 67% of the participants had some sub-gingival calculus². Calculus left untreated can further progress to gum disease and can result in tooth loss. Research has also found that a person's total health is often related to their oral health. These studies have shown a strong link between periodontal disease and serious health issues such as heart disease, diabetes, stroke, ulcers and low pre-term birth weight.³ The DetecTar mini helps reduce the incidence of developing these conditions by helping clinicians to accurately locate and remove calculus early in order to prevent further progression of gum disease.

3 indispensable methods of use:

The DetecTar mini can be used by clinicians to detect calculus in the following 3 ways:

- 1) As a guide before scaling: The DetecTar mini is a useful tool in helping clinicians detect and localize calculus prior to scaling. This helps clinicians target only the areas with calculus, reducing unnecessary over-scaling.
- 2) As a verification tool after scaling: The DetecTar mini is an indispensable verification tool that can be used following scaling to help hygienists ensure that no remnants of calculus have been left behind.

The DetecTar mini can be used to indicate the endpoint of therapy⁴ aiding clinicians in preventing over-scaling, reducing hypersensitivity and minimizing damage caused to root surface.

Featured Review



- **KaVo Hits One Out Of The Park With The New DIAGNOdent® Perio Probe!**
- **More Reviews...**

Featured Quick Pick



- **Nano Composites**
- **More Quick Picks...**

Advertisement

Don't Forget

Stay up-to-date
with our FREE
e-mail newsletter



Sign Up Now!

Links

- Advertise With Us
- Testimonials
- Events
- Press Releases

3) To help decrease uncertainty in deep pockets: The device is also vital in detecting calculus in deep pockets where there is typically a high level of uncertainty locating and diagnosing the severity and progression of calculus. Periodontal diseases attack just below the gum line in the sulcus, causing the break down of the attachment of the tooth and its supporting tissues.⁵ The DetecTar mini allows for less unnecessary instrumentation, which also helps ensure proper reattachment of gingival tissue¹ following treatment.

The DetecTar mini allows for more accurate and continuous detection even in deep periodontal pockets and is unaffected by the presence of blood, saliva or other contaminants. "The DetecTar mini is like a 'bionic' eye-it helps me see below the gum line," said Bibiane Gagnon, a hygienist at Montreal General Hospital and one of the researchers involved in the McGill University study. "In deeper pockets, it is impossible to know if all of the tartar has been removed. With the DetecTar mini, I now have confidence that I am finding all of the calculus residing in deep pockets."

By quickly identifying which areas to scale, the DetecTar mini saves clinicians time and costs providing patients with a more efficient examination. Studies have shown that with the DetecTar mini, up to 15 seconds or less is spent per tooth. (1)

About the DetecTar mini

The DetecTar mini uses Light-Emitting Diode (LED) and fiber optic technologies to detect calculus. The device contains a diode which emits a light that travels up two fiber optics to the tip of the probe. When calculus is detected, the optical fiber reflects light. A microprocessor analyses the reading and instantly emits an audible signal (beep) to notify the clinician of the presence of calculus. The DetecTar mini is not a laser, and therefore can also be operated by a hygienist. It does not emit heat, and is safe for both clinicians and patients.

The new DetecTar mini is an easy-to-use, lightweight (2.4 oz.), cordless device. Its ergonomic, pen-size design makes it conveniently portable, allowing for easy storage and transport. The DetecTar mini is easy to sterilize and requires no calibration. It only requires 2 AAA batteries to operate, treating over 100 patients.

Pricing and Availability

The DetecTar mini is distributed through Patterson Dental in the U.S. For more information, call 1-800-873-7683. The DetecTar mini is available at a special introductory offer of \$2899 U.S for a limited time.

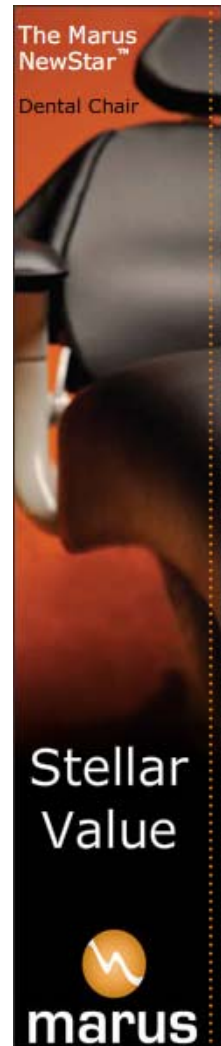
About Neks Technologies Inc.

Founded in Montreal, Quebec in 1999, Neks Technologies Inc. is a fast-growing Canadian company that specializes in the design, development, production, and commercialization of innovative and practical dentistry products and systems. Neks' D-Carie and DetecTar products are based on their unique LED and fiber optic technology platform that aids clinicians in the detection and diagnosis of lesions, calculus and caries. Neks' goal is to provide technological innovations that simplify procedures and tasks to increase dental professionals' productivity and improve the quality of patient care. For more information, please call 1-866-877-6357 or visit www.neks.com For images of the DetecTar mini, please click here.

[Restorative Dentistry](#) | [Endodontics](#) | [Oral Surgery](#) | [Orthodontics](#) | [Services](#)
[Professional Dental Laboratory](#) | [Periodontics](#) | [Dental Practice Setup](#) | [Hot Topics](#) | [Digital Imaging](#)
[Dental Products](#) | [New Products](#) | [Featured Products](#) | [Articles](#) | [Reviews](#) | [Videos](#) | [Promos](#) | [News](#)
[Journal Updates](#) | [Resources](#) | [Events](#) | [In2Hygiene](#) | [In2Dental](#)

VISIT OUR SISTER SITES:

Searching for medical products? Visit [Medcompare.com](http://www.medcompare.com) | Searching for lab products? Visit [Biocompare.com](http://www.biocompare.com)
 Are you an ophthalmologist? Visit [OphthalmologyWeb.com](http://www.opthalmologyweb.com) | Need CME/CE Credits? Visit [AcuityMedEd.com](http://www.acuitymeded.com) |
 Online social network dedicated to hygienists. Visit [In2Hygiene.com](http://www.in2hygiene.com)



Copyright© 2005-2008 Dentalcompare

search

[About](#) | [Contact Us](#) | [Help](#) | [Privacy Policy](#) | [Disclaimer & Terms of Use](#)