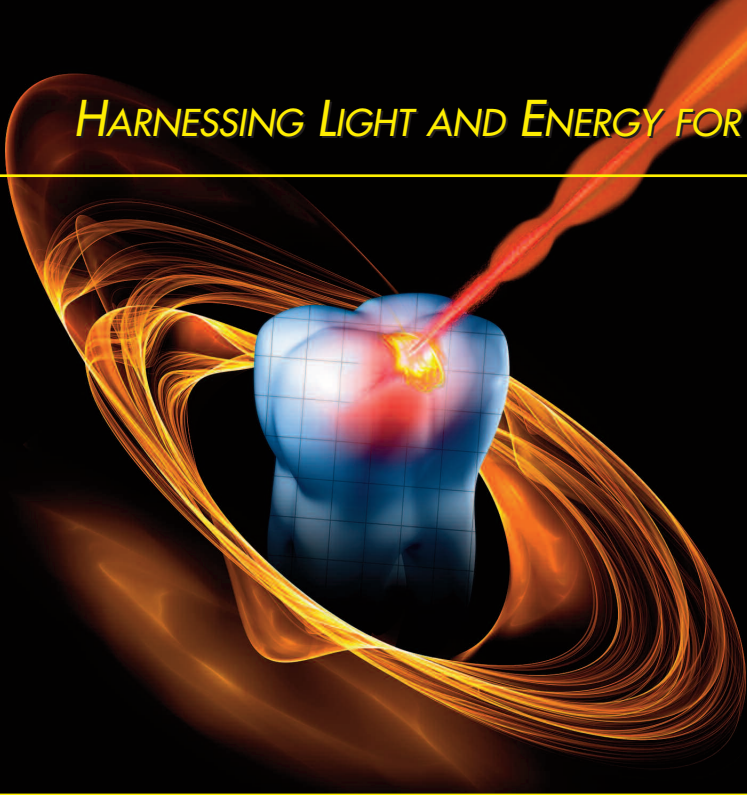


# HARNESSING LIGHT AND ENERGY FOR THE EARLY DETECTION OF DENTAL CARIES



## The Canary System™

A NEW TECHNOLOGY TO DETECT  
EARLY CARIES AND MONITOR  
REMINERALIZATION THERAPY

### FIND DECAY IN ANY TOOTH ON ANY SURFACE

The Canary System was developed from over 10 years of research and clinical trials. It works as stated.

At its core is a revolutionary, laser-based technology that uses reflected heat and light to examine the crystal structure of teeth and detect incipient caries, even earlier than routine x-ray procedures. The Canary works on all tooth surfaces and can detect a lesion as small as 50 microns up to 5mm below the tooth surface.

### SEE MORE, WITH CONFIDENCE AND EASE

Intrinsic to The Canary System is a proprietary software

program that makes both the scanning and mapping of the teeth easy, as well as accurately detecting and

measuring caries. The computer screen vividly shows any area of caries and indicates, through a numerical value system, how advanced the defect might be. The higher the number, the more advanced the caries. The system, providing both high sensitivity and specificity, virtually eliminates false positive and false negative diagnoses. It is highly accurate, since it reads the crystalline structure of the tooth and not bacteria.



### BUILD YOUR REPUTATION FOR PREVENTIVE DENTISTRY

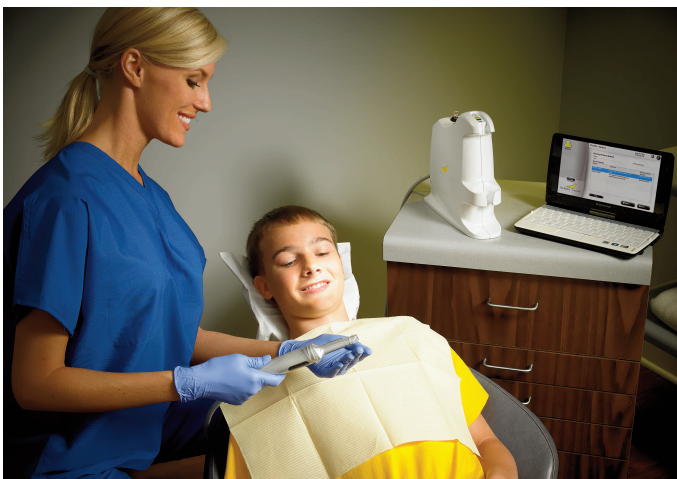
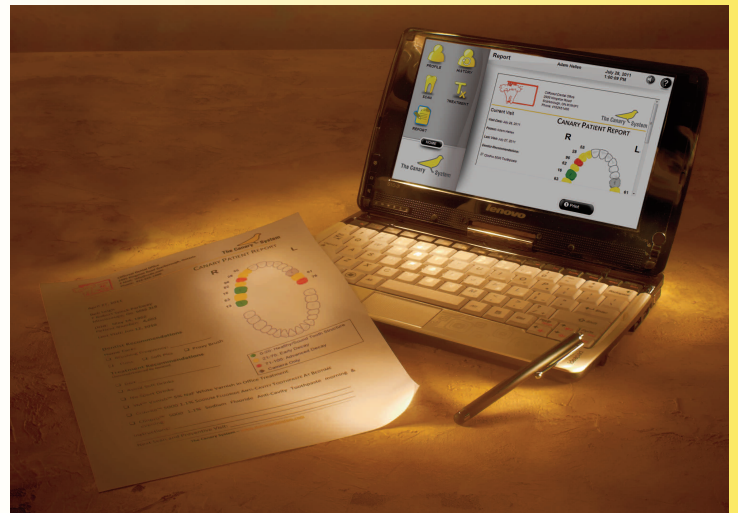
The Canary System becomes the cornerstone of a preventive practice, shifting the focus from wait-and-eventually-drill dentistry to identify-and-treat-immediately dentistry. It is so preventive that it moves the patient experience beyond minimally invasive to non-invasive.





### MONITOR PROGRESS AND ENGAGE THE PATIENT

The Canary produces reports for both the dentist and the patient. Data is stored so that progress is discernible from appointment to appointment. Reports are so easy to read and obvious in meaning that patients will understand their own progress and better participate in their own oral health care.



### THE CANARY SYSTEM--BASED ON HIGH STANDARDS

- PTR-LUM technology that measures crystalline structure of teeth and detects tooth decay.
- A proven technology that is based on over 10 years of research and development, peer-reviewed journals and clinical trials.
- No prophy, air drying or preparation of the teeth is required prior to scan.
- Interactive software clearly shows areas of decay.
- Software enables tracking of remineralization therapy success.
- Printed patient reports engage patients in their own oral healthcare.
- The cornerstone for any preventive dental practice.

### TECHNICAL SPECIFICATIONS FOR THE CANARY SYSTEM

Technology: Photothermal Radiometry and Luminescence (PTR-LUM)

Light source: Diode-laser (660 nm)

Output power: < 50 mW

Frequency: 2 Hz

