



Specifications

Part Number : D4000
 Dimensions (L x W x D): 8.6" x 0.9" x 1.2"
 Connection Type: USB
 Current: 0.5 Amps
 Weight: 2.1 oz
 Package Includes: Spectra Handpiece, 50 Camera Covers, 10 Positioning Spacers, 1 USB Umbilical, and 1 Chair Side Handpiece Holder

Computer Requirements

Operating System: Windows XP Professional with Service Pack 3 or later for an Intel 32-bit processor; Microsoft Windows XP Professional 64-bit Edition with Service Pack 2 or later for an Intel 64-bit extended (x64) processor; Microsoft Windows Vista Business, Enterprise, or Ultimate with Service Pack 1 or later for an Intel 32-bit or an Intel 64-bit extended (x64) processor; Microsoft Windows 7 Professional, Enterprise, or Ultimate or an Intel 32-bit or an Intel 64-bit extended (x64) processor.

CPU/Speed: 4.2 GHz Pentium or higher
 RAM: 1 GB
 CD-ROM Drive: 24X speed or higher
 Monitor: SVGA 17" with 800 x 600 resolution or higher
 Video Display Adapter: 16 MB video card supporting 800 x 600 pixels with 32-bit color
 USB Port: Must be USB 2.0 high speed, high power port
 Keyboard/Mouse: Standard



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AIR TECHNIQUES INC.



Our 200,000 square foot manufacturing facility in Melville, New York. Innovation and reliability since 1962.

Air Techniques is a leading manufacturer of dental equipment for nearly 50 years. We have earned our reputation through our commitment to ensuring customer satisfaction, and we are proud to provide superior quality to dealers and dental practitioners worldwide.

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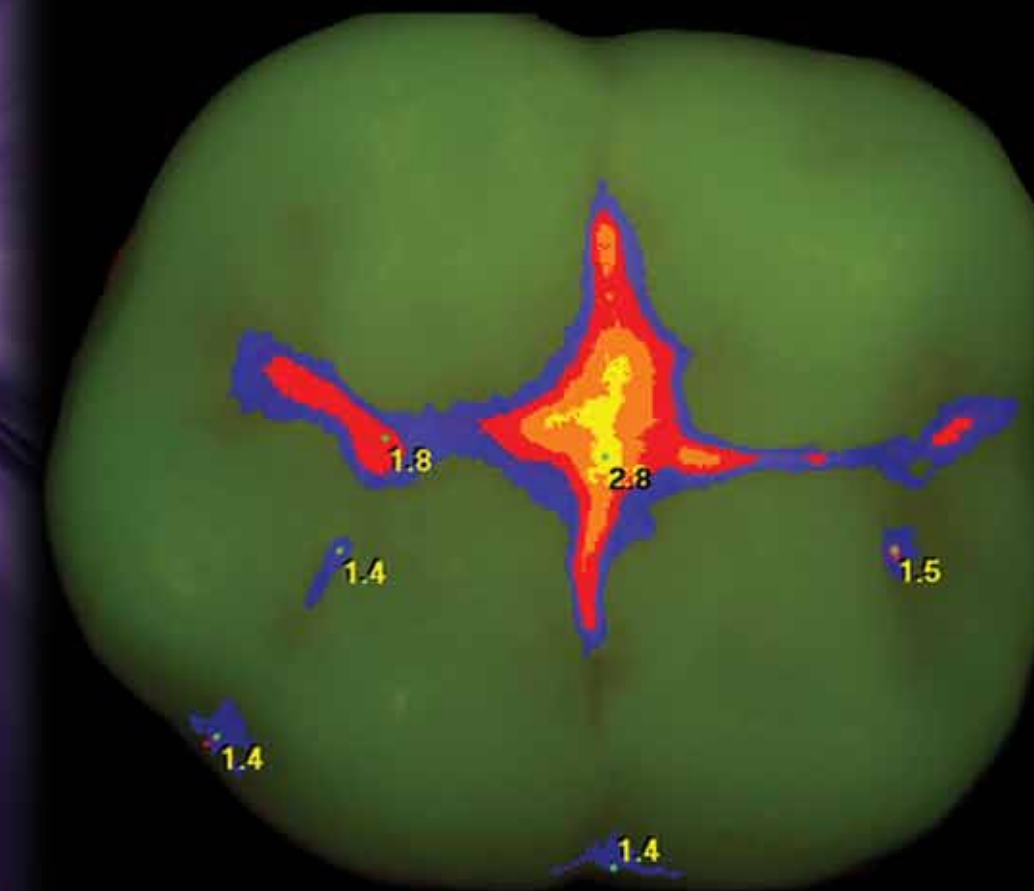
PN 9922-251 Rev. B

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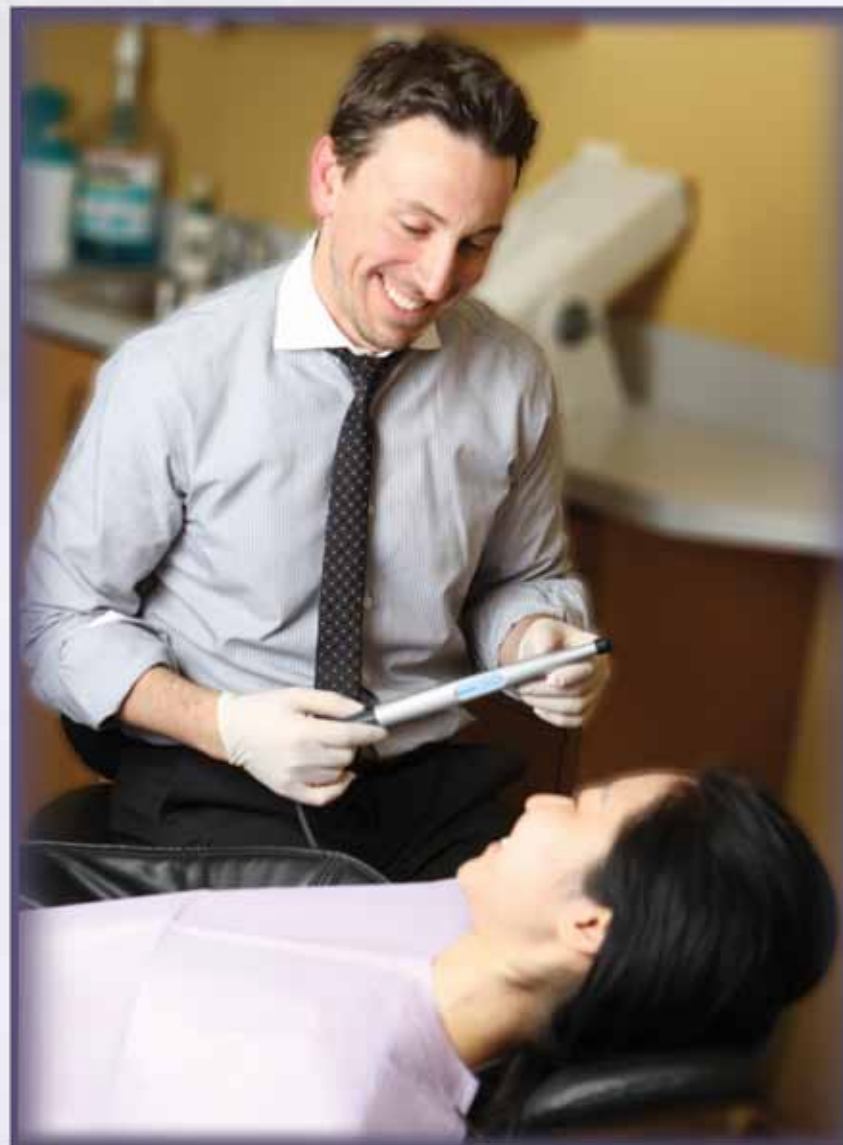
spectra™

For Caries Detection, Nothing Else Measures Up.



AIR TECHNIQUES INC.

Early caries detection:
Good for your patients. Good for your practice.



Don't drill your patients...

It's no secret that the #1 reason many patients fear going to the dental office is their fear of drilling. They dislike just about everything about drilling: the feel, the sound, the smell. Unfortunately, this fear often keeps them from getting the dental care they need not only to treat tooth decay, but to prevent it.

...Thrill your patients!

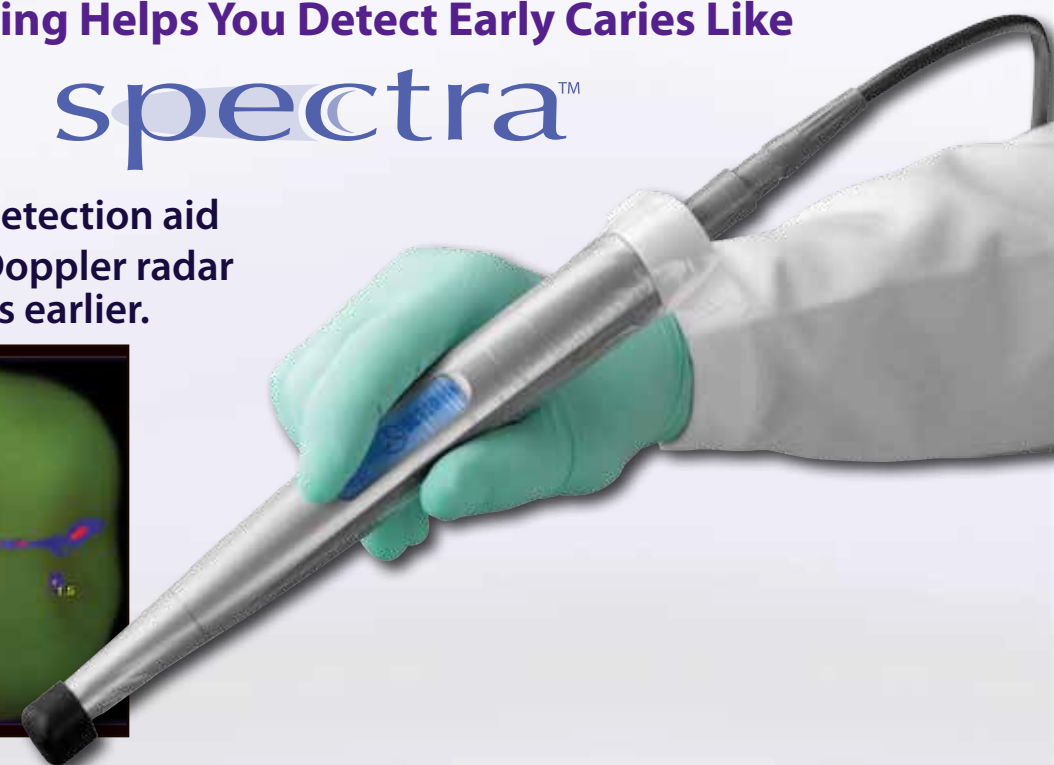
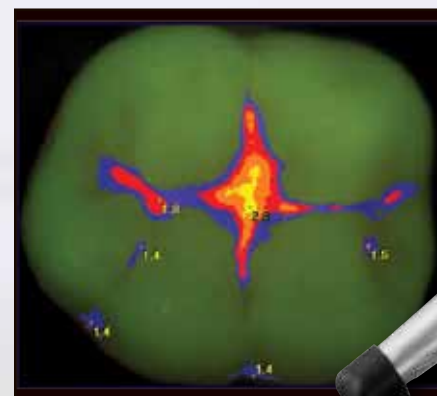
If you could discover caries in earlier stages, you could in some cases treat and restore a tooth before drilling is needed; in the worst case, you should be able to minimize the extent of drilling required. As a result, you will be doing much more restoration and less excavation. And that's great news for your patients!

Earlier caries detection isn't only good dentistry; it's good for business!

Nothing Helps You Detect Early Caries Like

spectra™

The *only* caries detection aid that works like Doppler radar to discover caries earlier.



How Spectra Works

- Spectra uses fluorescence technology to enable reliable tooth-by-tooth detection of fissure caries and caries on smooth surfaces that are too small to be detected by an X-Ray.
- Special light intensity LEDs project safe high energy violet blue light onto the tooth surface.
- This violet-blue light stimulates metabolites of cariogenic bacteria (called porphyrins) to appear red when viewed on a monitor, while healthy enamel fluoresces green.
- After capturing the image within your existing imaging software, the extent of the decay will be interpolated and indicated in two ways:
 1. The color will be either blue, red, orange or yellow
 2. A numerical indicator between 0 and 5.0 will be shown.

No other caries detection aid can do this!

- Spectra can be used during the restorative phase to verify that all caries have been removed.
- Spectra can detect decay hidden between the margins of existing composite and amalgam restorations.
- Spectra is FDA cleared and is safe to use on both children and adults.
- Spectra handpiece connects to your computer network via a USB cable.

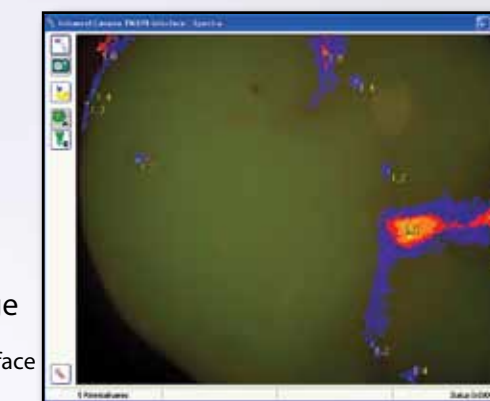


Enhanced case management

The TWAIN interface allows you to integrate and save the fluoresced images into every patient's database for more thorough case management. Since the images can be easily stored, the efficacy of treatment can be monitored over time.

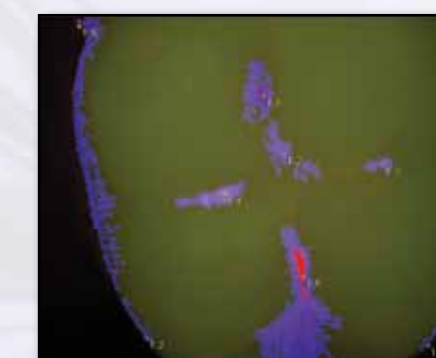
Capture images directly into most TWAIN 2.1 compliant dental imaging software programs capable of handling multiple image acquisitions/transfers.

TWAIN Interface Screen Shot



Calculus and plaque detection

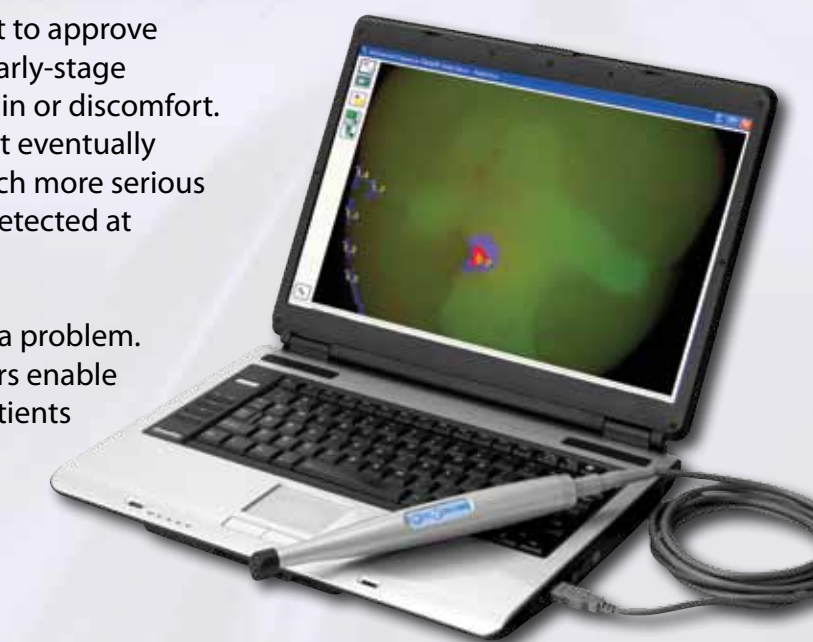
Spectra is also the only caries detection aid that also detects plaque and calculus. It's truly the ultimate detection device!



Spectra: Your Key to Increased Case Acceptance

It's often difficult to persuade a patient to approve needed treatment, particularly of an early-stage condition, when they don't feel any pain or discomfort. Of course, when the pain or discomfort eventually appears, the treatment required is much more serious than it would have been had it been detected at an earlier stage.

With Spectra, this will be much less of a problem. Spectra's color and numerical indicators enable you to simply and clearly help your patients understand that a problem exists, and that the best course of action is to resolve that problem when the treatment plan is much less invasive and expensive.



Spectra. For caries detection, nothing else measures up.