Logicon caries detector™ software is a unique and clinically proven* tool that assists in the daily task of diagnosing radiographs for interproximal caries on permanent teeth. It will help you to detect and treat caries at an early stage, enabling minimally invasive treatments.

**Improved Patient Care**

You know that for preserving as much healthy tooth substance as possible, you need early caries detection and diagnosis. An optional component with RVG digital radiography systems, Logicon software is a computer-aided-detection tool that helps provide dentists an important decision-support instrument for better patient care.

Reveal Invisible Caries

Diagnose More Caries with Confidence
Logicon software extracts image features and correlates them with a database of known caries problems. In doing so, the software automatically highlights possible abnormalities on digital dental radiographs, signaling the dentist to take a closer look at the tooth and surface involved.

How It Works
Logicon software uses detection algorithms based on laboratory data produced in association with a leading school of dentistry. It automatically outlines potential lesion on tooth image, and graphically presents change in tooth density and lesion probability.

90% Success Rate*
A clinical study shows that Logicon software enabled dentists to find 20% more cases of caries penetrating into the dentin of the tooth in permanent teeth than they were able to find without this software. With a success rate of 90%, Logicon caries detection.

Key Functions
- Locates and classifies proximal caries, indicating depth of caries penetration
- Quantifies the probability of proximal caries being present in enamel and dentin
- Tracks the change of the classification and probability with time
- Detects dentin lesions indiscernible to the human eye
- Allows dentists to store and quickly review results
- Region of Interest (ROI) Adjustment Tool automatically searches to find maximum caries depth
- New full screen filters provide more visual evidence of caries to correlate with analyses
- E-mail function allows sending of result screens to third parties
- Results can be saved to patient file
- Fully integrated with Carestream Dental’s imaging software
- Comprehensive training CD

To learn more, please contact us at 800.944.6365 or visit us online at www.carestreamdental.com.

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* Clinically measured true positive rate of 90% and true negative rate of 88%.