

# DEXIS Titanium

NEW



*Breakthrough Innovation*

by **KAVO**

**NEW**

## Introducing DEXIS™ Titanium by KaVo

Continuing the legacy of providing the best in intraoral digital imaging, DEXIS Titanium is everything you've come to expect from DEXIS innovation and more.

With DEXIS Titanium's extraordinary image quality, SMART features and durable materials, you gain the confidence, reliability, and assurance that give peace of mind. You can expect DEXIS Titanium to yield the best images so you can confidently diagnose patients' conditions and provide them with a positive radiographic experience.

The design and engineering teams completely re-evaluated all of our current technology and made important design and material changes to DEXIS Titanium's sensor, cable, and even its holders. We have retained the award-winning features such as the TrueComfort™ design of the PerfectSize™ sensor that allows for utmost comfort and the use of one sensor for the capture of all intraoral images.

DEXIS Titanium is engineered to be exceptionally reliable. We are so confident in the durability and reliability of DEXIS Titanium that we offer a unique unconditional replacement warranty.





### EXTRAORDINARY IMAGES

Increase confidence in diagnosis with CleanCapture technology, improved signal performance and expanded dynamic range.

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### SMART FEATURES

Improve workflow efficiency with our new sensor motion-activation feature allowing you to capture X-rays without touching your computer.

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### SUSTAINABLE DURABILITY

Enhance reliability with a sensor designed, engineered and tested to withstand impact and help eliminate failure.

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### PATIENT COMFORT

Help deliver a positive patient experience with the DEXIS Titanium PerfectSize™ sensor and its award-winning TrueComfort™ design.

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### UNCONDITIONAL REPLACEMENT WARRANTY

Realize peace of mind with a unique unconditional replacement warranty to help keep your practice running smoothly.

*“DEXIS Titanium images answer the diagnostic questions that other sensors’ images don’t. The increased clarity and contrast mean better diagnosis that translates into better care for our patients.” Brett Silverman, DDS — Alpharetta, GA*

Learn more at [kavo.com](https://kavo.com)



EXTRAORDINARY  
IMAGES

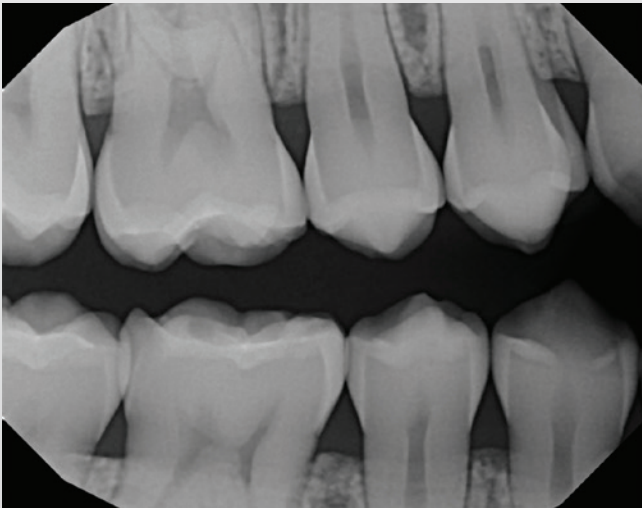
## Phenomenal Image Clarity

Understanding that image quality is at the top of your mind when selecting a sensor, we began with DEXIS Platinum technology — which is proven to produce the best image quality.

DEXIS Titanium, the next generation of innovation in sensor technology

enables greater confidence in diagnosis. The new DEXIS Titanium sensor captures consistent, phenomenal images with improved tissue contrast across the broader spectrum of radiation levels especially at low doses.

### Images taken with NEW DEXIS Titanium Sensor:



*The innovative imaging technologies of the DEXIS Titanium sensor work together to give you clearer, better image quality and confidence in diagnosis.*

# Truly Seamless Integration of Technologies

The scintillator, the CMOS detector and the fiber optic plate are made of the most modern materials —integrated to function perfectly together. The new components are designed using proprietary methods that give DEXIS Titanium a distinct advantage in image quality.

## CleanCapture Process

Removing “noise” that causes pixelated, low-detail images is essential for diagnostically appropriate X-rays.

DEXIS Titanium’s components were designed in a proprietary way to drastically reduce noise and enhance performance so that you can see the anatomical details needed for diagnosis. The sensor captures

high-resolution data that is processed as the X-ray is taken. DEXIS Titanium actually cleans and concentrates the data before it ever reaches the software.

DEXIS Titanium’s advanced pixel design targets the “sweet spot” for dental imaging — the perfect balance of pixel size and scintillator performance.

Even the biteblocks are designed for better image quality as no plastic infringes on the sensor’s capture surface eliminating artifacts that can result from holding devices.

The USB cable design safeguards the integrity of image data as it is transferred down the wire. Once the data is transmitted, the X-ray can then be further improved with the software’s image enhancements.

## Expanded Dynamic Range

DEXIS Titanium was designed to expand dynamic range. Titanium images offer remarkable clarity with low doses, and when needed, you can use a higher dose for more dense anatomical structures without impacting image quality.





SMART  
FEATURES

## SMARTer Science For Your Practice

The SMART capabilities of the new DEXIS Titanium sensor were designed to allow you to work efficiently.

First of its kind implemented into intraoral sensors, our innovative gesture-recognition feature will let you experience time savings and convenience in X-ray procedures in a whole new way. This feature

changes what occurs in the operatory by providing you with workflow options—a new experience for you and your patients.

DEXIS Titanium SMART-sensing capabilities will allow our service and support to serve you better.

### A cable that alerts you

Experience greater reliability and protection with the smart design of the DEXIS Titanium USB block and connector. Upon detection of an issue, the sensor will automatically turn off to protect your patient from unnecessary radiation.

Another benefit is the USB's ability to detect an in-line issue. Greater protection is achieved by the LED indicator light: Green conveys that the sensor is adequately connected. A red LED light will indicate if a power issue has been detected.



*DEXIS Titanium utilizes a 3.0 USB connector that is an easy plug-n-play.*

*A USB 3.0 connector has a higher capacity for a greater number of smooth insertions than USB 2.0 giving you reliable portability.*

# SMART GESTURES

## Enjoy A Smooth Workflow

Unique to DEXIS Titanium is an internal SMART feature that becomes your clinical interface. This feature provides more workflow options. DEXIS engineers were able to leverage current cell phone industry SMART technology to integrate a motion detection device into DEXIS Titanium sensors.



A vertical up-and-down motion triggers a Vertical Bitewing Series

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Horizontal back-and-forth motion triggers a Horizontal Bitewing Series

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A circular motion launches a Full Mouth Series

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Triangular motion will trigger to Go Back in the Series

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Moving the sensor in a "C" motion triggers to Cancel the Series



By simply making a gesture with the sensor, you can initiate image acquisition within the DEXIS software and begin taking X-rays without touching your computer. With this added efficiency, you can attend to your patients' needs quickly and easily.



**SUSTAINABLE  
DURABILITY**



#### **WiseAngle™**

*WiseAngle™ feature helps reduce stress for the sensor-to-cable connection. During laboratory tests, DEXIS Titanium's cable withstood being flexed over 100,000 times and maintained signal strength as data moved from the sensor to the computer.*

## Tough, Durable Housing

The new DEXIS Titanium housing, internally and externally, was redesigned to gain additional tensile strength. We selected a highly engineered thermo-plastic resin that stands up to heavy physical use, as well as a wide variety of disinfectant chemicals — keeping you and your patients protected.

No matter how careful you are during radiographic procedures, patients can sometimes bite on the sensor. By using advanced housing materials

and doubling the manufacturing specifications of DEXIS Platinum, we were able to better compensate for the amount of force the sensor should withstand from bite pressure.

Most sensors experience an impact event on a daily basis — dropping on the floor or counter, knocking against other equipment, etc. The mechanical design of the sensor housing is built to endure significantly more of these types of impacts and still perform at the same exceptional quality.



## Accessories & Holders

Sensor holders are typically autoclaved after each use, so they need to be exceedingly resilient. We crafted DEXIS Titanium biteblocks and rings out of the same tough, durable thermoplastic resin used in the sensor housing.

During rigorous testing, the holders upheld their integrity. They are also designed to have a higher tensile strength to withstand frequent placement and a wide variety of disinfectants — all without material or color degradation.



*New biteblocks deliver TrueComfort for patients as they hug the sensor to avoid gaps that can catch on soft tissue and have a protective cover for the sensor-to-cable connection for prolonged cable and sensor life.*

## Innovative Cable Design

### Dependable signals

Advanced internal components retain the best signal performance to deliver reliable imaging results over time.

### Short-circuit protection

The cable-to-USB connection now features short-circuit protection.

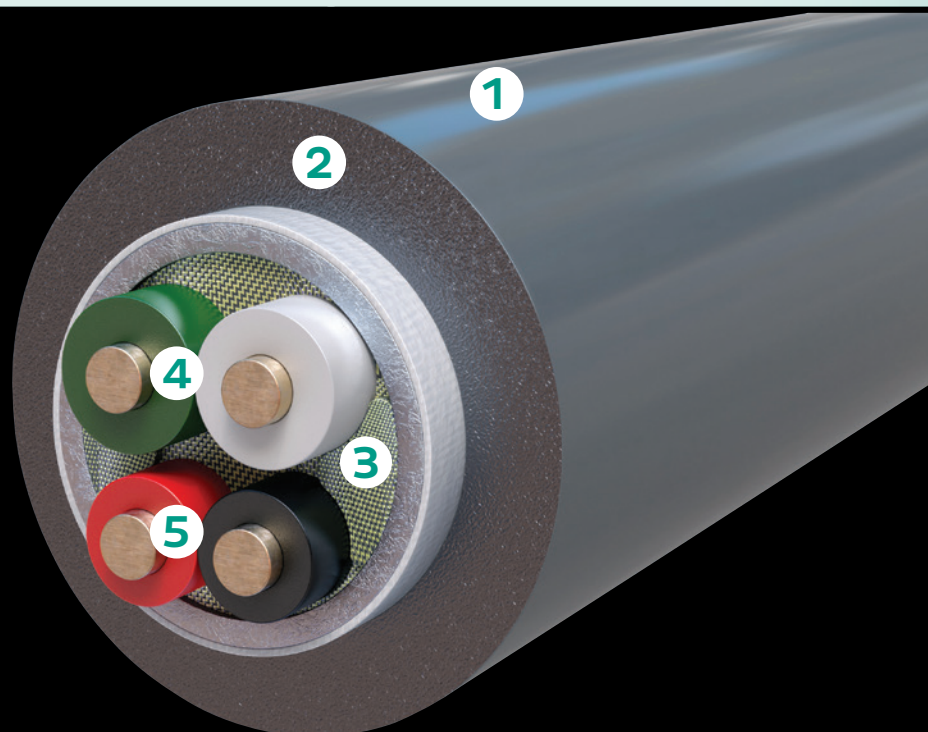
### New durable materials

Outer cover for the cable better handles external forces like biting, twisting, tugging, plus eliminates cable drag and tangling.

### Strong connections

To combat separation, the cable's external jacket material extends over and is "welded" to the USB housing.

- 1 Tough, durable external jacket covers the internal components
- 2 Inner protective shield made from tinned soft copper alloy
- 3 Kevlar-reinforced strands fill in open areas inside the cable housing:  
*Protects inner power cables*  
*Prevents kinks and twists*
- 4 Power and power-return wire
- 5 Signal and signal-return wire





**UNCONDITIONAL  
REPLACEMENT  
WARRANTY**

## The DEXIS Promise

We want DEXIS owners to be confident in their sensor's performance. Every aspect of Titanium is engineered to eliminate the pain points around failure of hardware. We thoroughly tested all components for strength and longevity.

We are so confident in this revolutionary sensor that we now offer a unique unconditional replacement warranty, DEXcare, that continues under the KaVo Complete Program. Next day replacement sensor ensures your practice is up and running quickly.



## Exclusive Sensor Health Data

To create the best owner experience, we have developed a new system to gather data for your DEXIS Titanium sensor health to help keep your practice running smoothly and minimize downtime.

With DEXIS Titanium, you can choose to remotely diagnose your sensor to measure voltage, current and temperature.

With these new advances, we offer the most responsive and comprehensive

service available today. Our highly skilled DEXIS technical support representatives will be able to evaluate sensor function by gaining image parameters and troubleshooting issues.

Over time, sensor function and data analytics will occur in real-time. We can then alert you of any anomalies in sensor performance so you can keep operating smoothly.



by **KAVO**

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*For more than 100 years, KaVo has focused on innovation and quality in dental products and services, building an outstanding reputation among dentists, dental technicians and dental hygienists. KaVo offers a comprehensive product portfolio that includes handpieces, treatment units, imaging solutions, laboratory equipment and educational aids. In product development, service and support, customers around the world see and experience KaVo's ongoing commitment to Dental Excellence.*

**DEXIS**

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