Images that change your world.

KaVo DIAGNOcam – a whole new perspective on caries

New with TWAIN interface.

Facilitates an easy integration with almost every imaging software



KaVo. Dental Excellence.

A whole new perspective on caries

- Significantly improved diagnosis quality in unsurpassed image quality
- Ideal for patient information outstanding monitoring
- Simple operation easily integratable

KaVo DIAGNOcam – completely revealing

With your KaVo DIAGNOcam you will get images that give you additional insight – immediately, without X-ray radiation, for even greater diagnostic reliability.

KaVo DIAGNOcam uses the structures of the tooth as light conductors. Simultaneously, a digital video camera, captures the context.

So much becomes visible for the first time.

KaVo DIAGNOcam images give you even more certainty in diagnosis, thanks to their revolutionary image quality. With your KaVo DIAGNOcam you can tooth structures such as carious lesions or cracks that are virtually impossible to view with other diagnostic aids.

Optimum diagnosis –

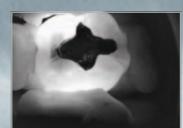
With the KaVo DIAGNOcam it is above all much easier to identify proximal and occlusal caries. Furthermore, secondary caries can also be detected (up to a certain filling size).

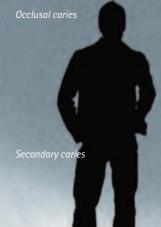




thanks to top quality images.







X-ray quality without radiation.

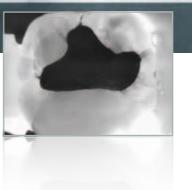
How is it possible to create such images without X-rays? The key phrase is DIFOTI technology*. KaVo DIAGNOcam delivers images, which are reminiscent of X-rays but which are completely radiation free – by means of a light that is especially adapted to this examination method.

The tooth structures allow the passage of light from the entry site to the camera. Areas that block light transmission (e.g. carious lesions) show up clearly as well delimited, dark areas. A digital videocamera captures the actual situation and makes it visible in real-time on the screen.

Comprehensive caries detection on all tooth surfaces

| Diagnostic competence | DIFOTI technology* (DIAGNOcam) |
|------------------------------|-----------------------------------|
| Occlusal caries | ✓ |
| Proximal caries | ✓ |
| Smooth-surface caries | ✓ |
| Secondary caries | ✓ |
| Cracks | |
| Dental cleaning essential | no |

* Digital Imaging Fiberoptic Transillumination



Cracks

Patient information - made easy.

The subtle difference

Diagnoses by X-ray and KaVo DIAGNOcam are two of a kind – they complement each other perfectly. With your KaVo DIAGNOcam you can conveniently verify and supplement your X-ray diagnosis. KaVo DIAGNOcam shows you the coronal tooth structures above the gingiva in detail. This enables early detection of caries, as well as prophylactic, or minimally-invasive and pain-free treatment. Your patients will be delighted!



You can demonstrate to your patients how just pleasant X-ray-free diagnosis with KaVo DIAGNOcam is. This particularly convinces pregnant women and parents of young children.



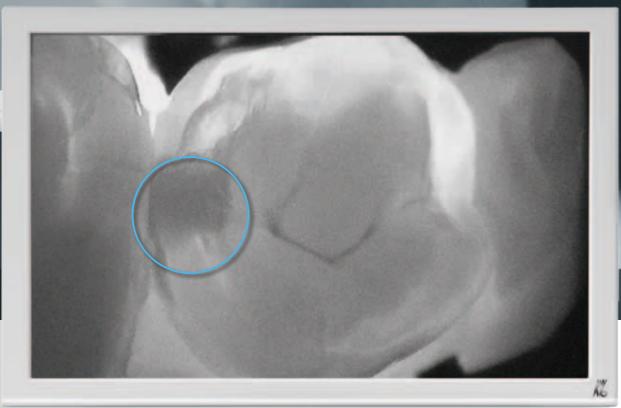
Convincing images for your patients, ight from the outset.

Informed, satisfied patients will visit your practice more readily.

One of the invaluable advantages of your KaVo DIAGNOcam is the clarity of the images. You may show the images immediately to your patients on the screen and use them to explain your proposed treatment plan. Of course you can also save and print out the images and use them for regular checks in long-term monitoring. The supplied software provides perfect support.

The future is X-ray free.

Even though X-ray diagnosis is important, some patients are concerned – particularly when performing diagnosis on children or pregnant women. KaVo DIAGNOcam is an extremely operator-friendly diagnostic device that operates completely without X-ray radiation. Use it with all your patients, as often as you want.



Carious lesion is clearly visible, as a darker-coloured area.

Diagnostic process – simple and convenient.

Pure comfort.

The suprisingly simple operation of KaVo DIAGNOcam will win you over almost at once. And with KaVo DIAGNOcam you save time and can perform diagnoses directly on your treatment unit. Prolonged familiarization period? Not any more. Complicated handling? No longer. Simply place the tip over a tooth and take your stills or videos. It's really that simple.

Simply integrated into the practice routine.

KaVo DIAGNOcam fits seamlessly in your personal practice routine. And best of all: its special software with VDDS interface or TWAIN interface allows for the communication with other practice softwares or imaging softwares. KaVo DIAGNOcam can be used at any time. Even without performing previous dental cleaning.

Highlights and advantages:

Significantly improved diagnosis quality – in unsurpassed image quality

- X-ray-free imaging method for caries identification
- Supragingival diagnosis of occlusal, proximal and secondary caries
- Identification of cracks
- Early caries identification that is not possible with other diagnostic aids
- No proximal overlapping as with X-rays second plane for reliable diagnosis visualisable

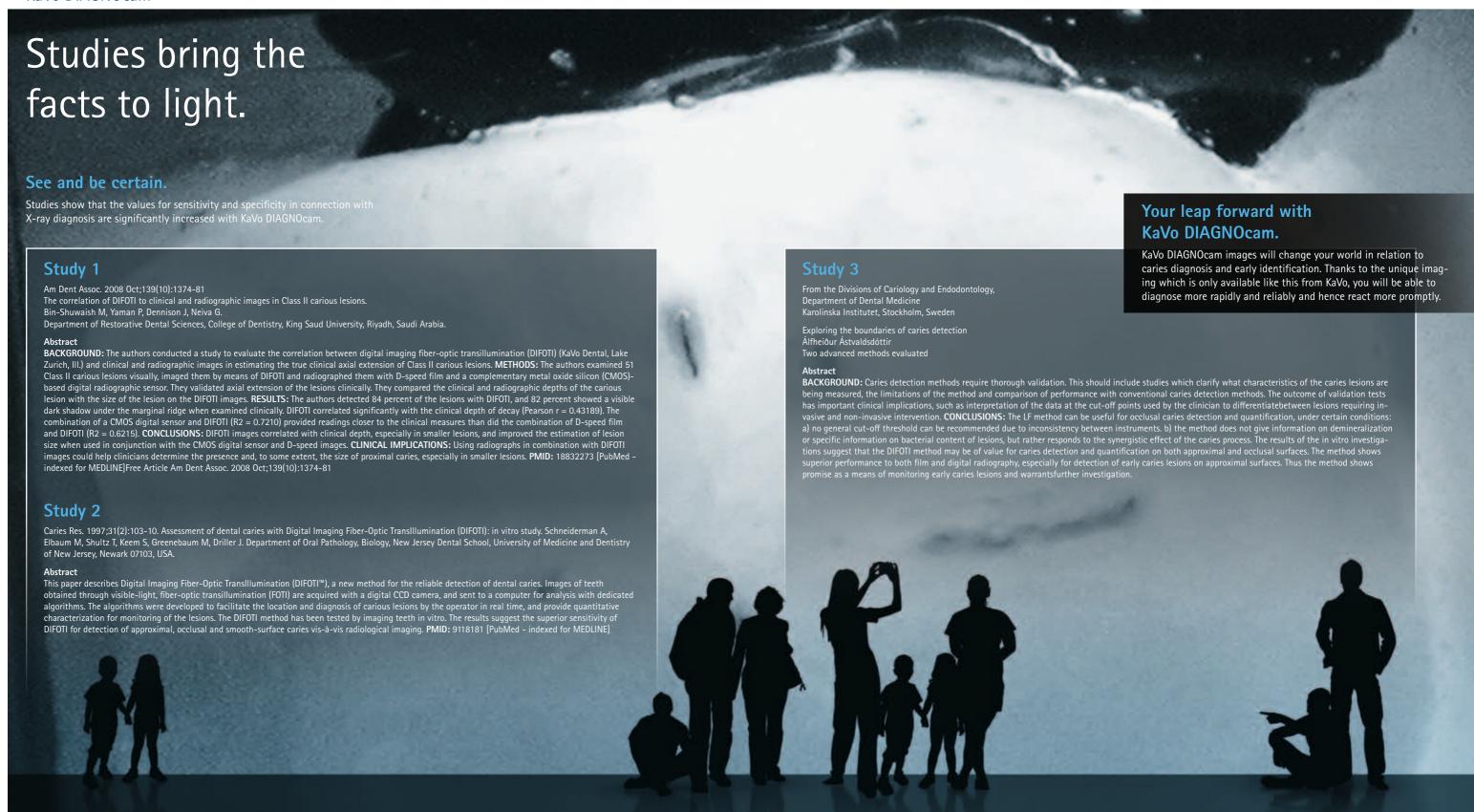
Ideal for patient information and outstanding monitoring

- Images can be displayed on screen in real-time
- Current images can be compared with older ones
- Images and video sequences can be assigned to each individual tooth and edited

Simple operation – easily integratable

- KaVo DIAGNOcam can be used at any tim
- No preliminary dental cleaning required
- The VDDS interface allows for the communication with a different practice software
- The TWAIN interface allows for an easy integration with X-ray software





Technical Specifications

Current max. 0.5 A Supply voltage 5 V Cable length 2.5 m Weight 190 q Length approx. 245 mm Diameter: 30 mm Lighting laser diode 780 nm Wavelength 15 mW Opt. power

Opt. power as per DIN EN 60825-1

after the occlusal tips

The minimal system requirements are as follows:

PC with min. 1 GHz processor

min. 32 bit operating system

USB-2 connection

256 MB RAM for single-user station or workstation

512 MB RAM for SQL database server

50 MB free hard disk space on system drive

Depending on data volume 5 to 50 GB hard disk memory on data drive (can coincide with system drive)

Min. screen resolution 1024 x 768, min. colour depth 24 bits

Operating system: Microsoft Windows XP from service pack 3

Material number

DIAGNOcam 1.001.900

consists of: installations - software, large attachment, small attachment, DIAGNOcam tray, USB extension cable

Accessories

| Installations – CD multi-workstation option | 1.009.6958 |
|---|------------|
| VDDS software | 1.009.6960 |
| TWAIN interface | 1.010.3642 |
| large attachment | 1.005.1300 |
| small attachment | 1.005.1360 |
| DIAGNOcam tray | 1.005.1380 |
| USB extension cable | 1.005.1076 |







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