

**PLANMECA**

**dixi®3**

*new*

*dixi®3*



*the assured  
digital intraoral X-ray*

# integrated digital imaging system

## Optimal dental imaging workflow

The Planmeca Dixi<sup>3</sup> digital intraoral X-ray imaging system is designed to **support the chairside workflow** of dental treatment. The dental team can focus on patient treatment, since the imaging workflow is made straightforward by eliminating extra steps in taking X-rays. Also concerns for cross-contamination are minimised.

## Sensor integrated into the X-ray

Placing the sensor and the control box conveniently at the X-ray unit allows **a clear and well-organized working environment** without interfering cables. Thanks to the modular design, all the components of the imaging system – the sensor, the sensor connector box and the PC - can be optimally placed in the treatment environment, with all connecting cables integrated inside the equipment.

## Always ready for an image

As the sensor is always ready for taking an image, you start the imaging workflow by positioning the sensor in the patient's mouth. The images are automatically stored into the selected patient's file.

No interaction with the pc, keyboard or mouse is required during the image taking, no matter whether single images or multiple image sequences are taken. This **fluent imaging workflow** results in improved quality and fewer retakes.

## Direct digital imaging saves time

After the exposure, the image is displayed on the screen within seconds. Instantaneous viewing significantly **increases efficiency** and dramatically shortens the time needed for intraoral X-ray examination, when compared to conventional films or image plates.

## Planmeca Dimaxis imaging software

The system is delivered with the Planmeca Dimaxis imaging software that includes easy-to-use image enhancement tools for specific diagnostic needs. **The automated "Optimise for contrast" and "Optimise for diagnose" filters** provide quick and scientifically proven image enhancement functionalities.

To speed up your imaging procedures, you can customize highly practical study templates for different diagnostic or image sequence needs.



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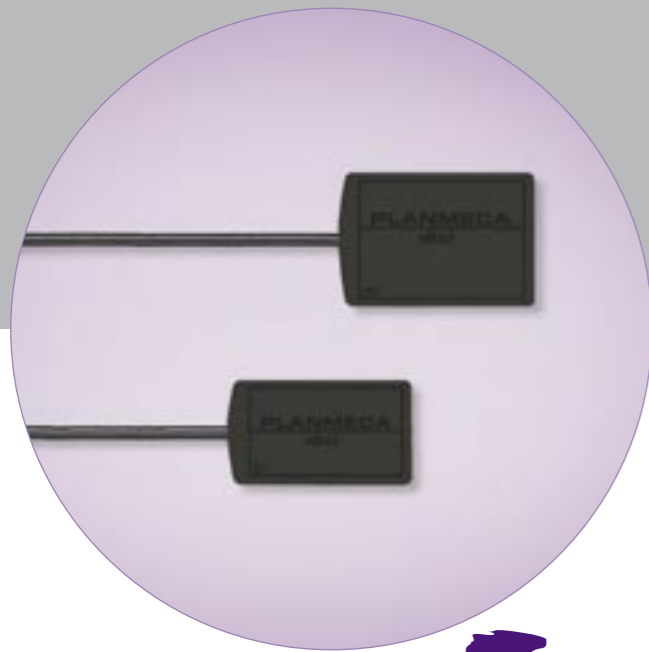
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## Sensor shape for diagnostic quality

The sensor with no sharp edges allows for comfortable patient positioning. Since the sensor has no cut corners, there is absolutely **no unintentional loss of clinical information needed for a proper diagnosis.**

The cable is optimally connected to the backside of the sensor, which is a valuable design detail especially for examinations in vertical position, like the endodontic examination. The flexible cable easily turns to allow any required position in the mouth, causing minimum discomfort to the patient.



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## *intelligent details*

## *for clinical value*

### Sharp and clear images

The digital sensor chip is protected with a fibre-optic filter, which results in images with **maximum clarity and minimal noise.** The solid fibre-optic filter blocks the damaging X-rays from the chip and gives added mechanical protection.

The dual mode resolution selection enables the highest resolution studies for utterly demanding diagnostic purposes.



### Enhanced infection control

The Planmeca Dixi3 infection control concept eliminates cross-contamination resulting from imaging hardware. The digital sensor is hermetically sealed and can be **fully immersed in disinfectant.** Also the sensor holders are designed to be thermo-disinfected for perfect hygiene.

**Direct digital imaging improves surgery aseptics,** whereas films, image plates and scanners may easily cause cross contamination.

# dixi<sup>3</sup>

## Shock-resistant design

The **hermetically sealed sensor encapsulation** contributes to maximum reliability. The encapsulation design provides protection against shocks, bacteria, moisture and any electrical interference that usually cause damage to the sensor or the images.

The new shock-resistant casing substantially increases the sensor's shock-absorption. This ability is now almost 80% higher than before which contributes to higher sensor reliability.

## Reliable image storage

The Planmeca Dixi3 system is delivered with the reliable Solid server database, a professional solution for image storage. The Solid database provides **automated and secure storage** of all image information. Automated back-ups meet the strictest requirements of data security and prevent all loss of clinical information.

## Integration into software environment

Planmeca Dixi3 is linked to the practice management software system through Planmeca's flexible and clearly defined interface. Furthermore, the system is 100% DICOM\* compatible with Planmeca's add-on software modules, which are fully ADA compliant and provide the widest possible DICOM functionalities.

\*) DICOM = Digital Imaging Communications in Medicine, a worldwide standard for image transfer in medical information systems

## Peace-of-mind for five years

To complement the sensor's anti-shock design, Planmeca provides a five-year peace-of-mind support program, guaranteeing the system continuity. The proportional **support program provides extra security** for the first five years of the sensor, in addition to Planmeca's normal after sales policy.

## Computer environment

Planmeca Dixi3 can be flexibly connected to the PC either by PCI or by USB interface. The supported operating systems are Windows NT, 2000 or XP. Alternatively, the imaging network can be built using the Planmeca Ethernet solution, which allows thin client terminals and a central imaging server.

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