



# OPTCO

DIGITAL IMAGING MADE SIMPLE  
USB DIRECT INTRAORAL SENSOR

# OPTEO

THE OPTIMUM  
MEDICAL IMAGING DEVICE  
FOR YOUR DAILY PRACTICE.



Cut down on the visualisation time of your x-rays: they are taken instantly in high-resolution (no developing or scanning time required)

> **Quick diagnosis**

Integration of the acquired images in your patients' digital files

> **Optimised patient/practitioner relationship**

The x-rays are processed with the help of digital imaging filters and tools,  
Network enabled - information and equipment sharing

> **Mobile and portable solution**

Patient safety and environmental impact taken into account

> **The use of chemical agents is not required, recycling is facilitated through minimization of the electronics**

**THE CONCENTRATION OF TECHNOLOGY MAKES INTRA-ORAL IMAGING EVEN EASIER**



Endodontics



Prosthetic and implant  
surgery



Periodontics



Caries diagnosis



### Atraumatic & ergonomic

The rounded off edges and bevelled sides make the **Opteo** the perfect response to your handling and patient comfort requirements. In addition to this, the thickness of the sensor and the diameter of the cable have been reduced to a minimum. The flexibility of the cable and the fact it is positioned high on the sensor guarantee easy positioning in the mouth: there is no risk of cable rupture, the comfort in the mouth is ideal.



### High-definition & precision

The direct USB connection guarantees instantaneous X-ray image capture. The high-definition (20lp/mm) associated to 14 bits grey levels, afford excellent legibility of the x-rays: the images are clear, bright and contrasted. The large active surface area of the sensor offers an optimum format for the x-ray image. Your diagnosis is therefore accurate, quick and reliable.



### Simple & automatic

No more cumbersome boxes... The **Opteo's** direct USB connection makes its use (with single and multiple station) both simple and intuitive. The three meter cable enables you to connect to your computer no matter what the layout of your office.

The unique **automatic wake-up** system of the sensor reduces the number of steps to be followed to take an x-ray: the capture of a quality image based on the x-ray emissions is also guaranteed.



Opteo is 100% integrated with Quickvision. You can therefore save your images directly in the dental plan of your patient.



## Fully adapted to all your clinical practices

The **Opteo** is available in two sizes: Size 1 (T1) and size 2 (T2) in order to suit all your practices (retroalveolar, posterior, bitewing etc.). It can be used in endodontics, parodontics, prosthetic surgery and implants, as well as for cavity diagnosis.



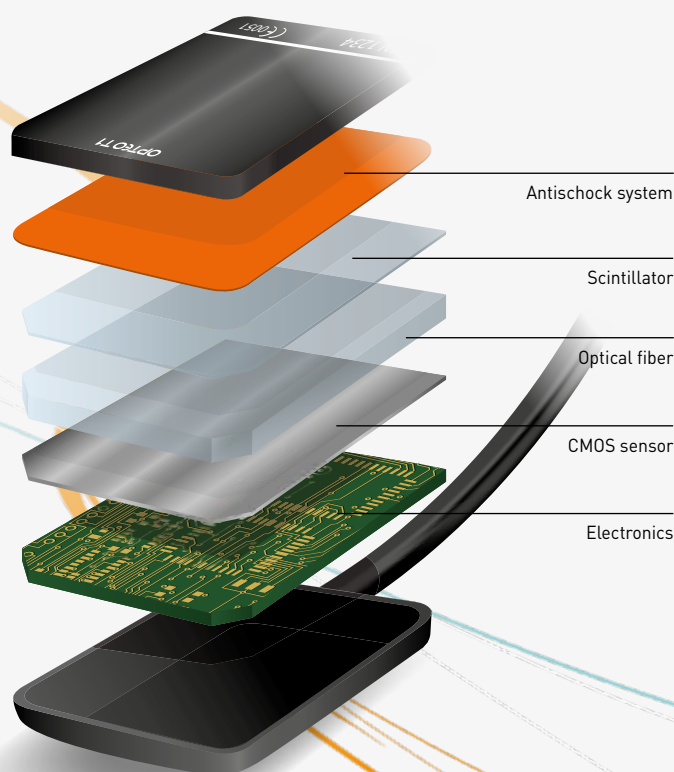
Moreover, it is completely watertight, giving you complete flexibility in your choice of disinfection method: immersion, spraying etc.



## Reliable & robust

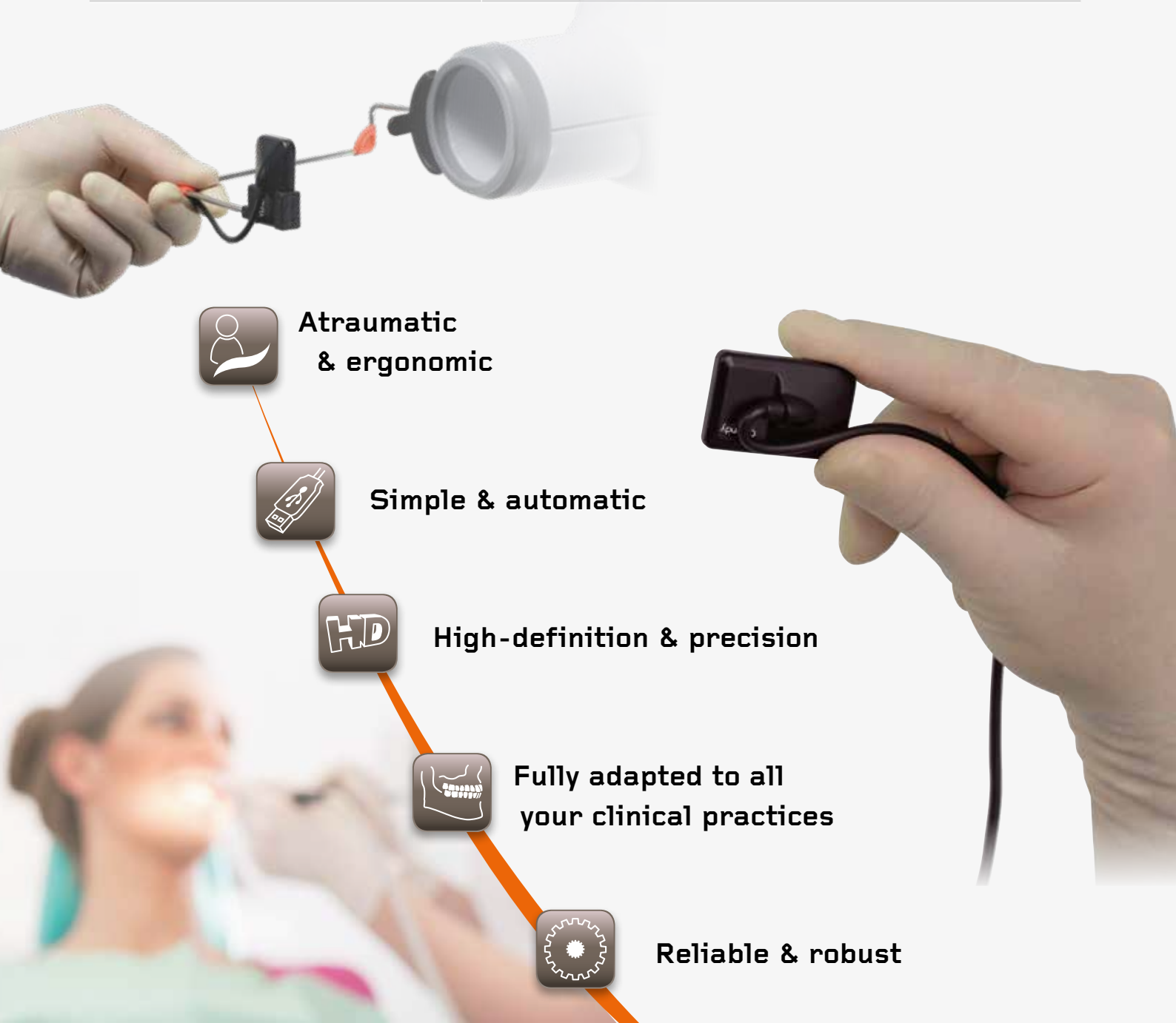
The **Opteo** sensor marries very high image resolution with increased equipment reliability. It includes a CMOS chip, fibre optics, scintillator and a shock absorption system.

The gold-plated USB connector ensures rapid transmission of the signals and excellent corrosion resistance. The cycle life of your system is also greatly enhanced.



## TECHNICAL FEATURES

<b>Sensor</b>	CMOS
<b>Outer dimensions of the sensor (length x width x thickness)</b>	39 x 25 x 5 mm (T1) 43 x 31 x 5 mm (T2)
<b>Sensitive surface</b>	30 x 20 mm (600 mm <sup>2</sup> ) - (T1) 34 x 26 mm (900 mm <sup>2</sup> ) - (T2)
<b>Surface in pixels</b>	1500 x 1000 pixels (T1) 1700 x 1300 pixels (T2)
<b>Sensor resolution</b>	25 $\mu$ m/mm (T1 and T2)
<b>Sensor cable length</b>	3 m
<b>Connexion</b>	Standard USB: USB 2.0 High-Speed (480Mbit/s) and USB 3.0



**Atraumatic  
& ergonomic**



**Simple & automatic**



**High-definition & precision**



**Fully adapted to all  
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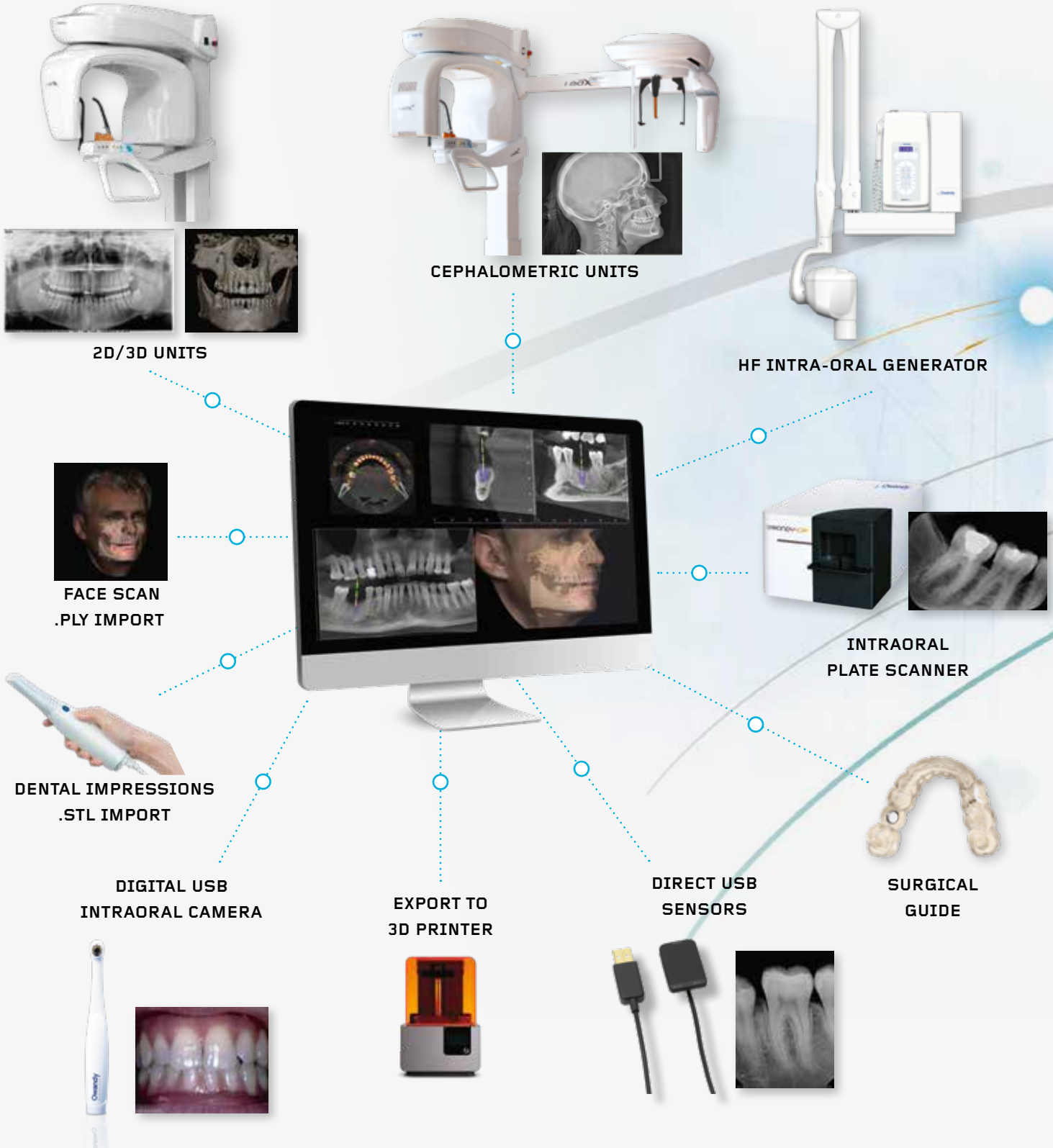


**Reliable & robust**



# DIGITAL WORKFLOW OWANDY RADIOLOGY

A COMPREHENSIVE RANGE TO MEET ALL YOUR REQUIREMENTS



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