



## *I-MAX TOUCH*

PAN · CEPH · 3D CONE BEAM

2D - 3D panoramic units

# PANORAMIC CEPHALOMETRIC 3D CONE BEAM IMAGING



## I-MAX TOUCH Tactile & naturally intuitive panoramic imaging

Discover the simplicity and efficiency this unit can offer, alongside its universal comfort.

The combination of intuitive and tactile technologies across the whole product range allows you to save precious time in your practice.

### Researched design

Thanks to its minimal footprint, the I-Max Touch will fit easily and nicely into your practice (width : 106 cm ; depth : 127 cm). Modern and stylish, it will be an added value to your working environment.



### Patient positioning in just a few seconds

Patient positioning can be achieved in a matter of seconds by the operator using the guided light beams saving you valuable time.

### A unique set of programs

An intuitive set of programs allow rapid processing of high definition images.

With its 14 programs, the panoramic version allows to produce any clinical exams :

- **Standard adult or child panoramic**
- **Left or right semi-panoramic**
- **Reduced dose panoramic**
- **Bitewing mode**
- **Incisive block**
- **Maxillary sinus**
- **Panoramic with improved orthogonality**
- **TMJ open/closed mouth**
- **4 quadrants / Tomographic slices**



Display in real-time of the acquisition on the touch screen





## USB

### **Storage on a USB memory stick: Data portability**

The I-Max Touch memorises images without being connected to the computer. Once transferred from the control panel to a USB memory stick, the images can be imported onto any computer in the office.

### **User-friendly at all times**

No waiting time for the patient or staff. The diagnosis is immediate on the screen.



### **Network sharing and program selection**

The I-Max Touch can be operated from your computer or from any workstation connected to the network (group practice).



### **Profitability at the end of the day**

Resource sharing becomes the key to profitable practice management, whatever your configuration.

### **Software ergonomics**

The software ergonomics have been designed for a tactile and intuitive use of all functions: program the exams using the graphical user interface of the console and follow the acquisition of your image in real-time. Pilot the I-Max Touch from your computer displaying a virtual console, identical to the one from the panoramic unit.



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## I-MAX TOUCH CEPH Cephalometry : Module dedicated to orthodontic exams

The I-Max Touch produces cephalometric images of irreproachable quality (High-Definition), and with a significant reduction in the X-ray dose.

With the cephalometric option, benefit from 17 programs in total to acquire any diagnosis x-ray, needed for the art of dentistry :

- Standard adult or child panoramic
- Left or right semi-panoramic
- Reduced dose panoramic
- Bitewing mode
- Incisive block
- Maxillary sinus
- Panoramic with improved orthogonality
- TMJ open/closed mouth
- 4 quadrants / Tomographic slices

+ **Ceph Programs ceph** : A choice of 5 formats

- Ceph frontal : 24 x 22 cm
- Ceph lateral : 18 x 22 cm, 24 x 22 cm, 30 x 22 cm
- Carpus



### Mobile sensor: cephalometry in flexible and affordable mode

The choice, depending on the use (panoramic or cephalometric), of a single sensor mode or with two sensors. Each sensor can be moved using its ergonomic handle that facilitates the transfer.







## **I-MAX TOUCH Range : Evolutive, simple, fast**

In a blink of an eye, the panoramic unit captures detailed panoramic exams. The cephalometric option extends the capabilities from the Imax Touch / 3D by acquiring x-rays from the skull and carpus. The 3D option is « a must » and allows to obtain volumetric x-rays.



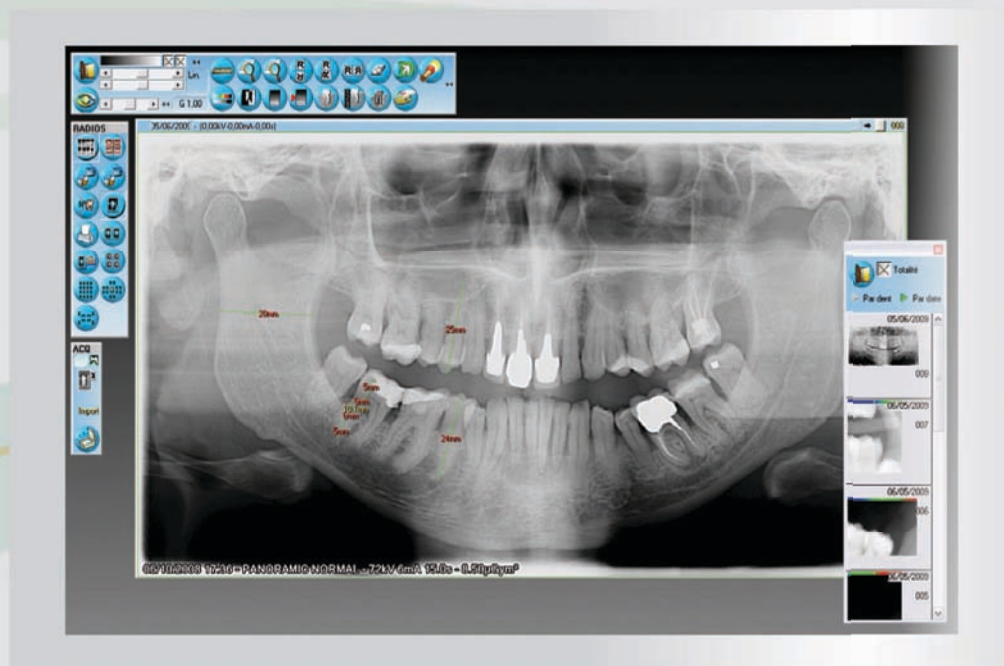
### **3D Ready The 2D-3D evolution**

Your panoramic unit is pre-prepared to integrate the 3D module, it is the natural evolution of your unit into the I-MaxTouch 3D to provide the benefit from the acquisition in three dimensions for implantology and for even more precise exams for endodontics.



### **100% compatibility with QuickVision software**

User friendly and intuitive with its contextual menus, icons and tabbed layout, the Quickvision software integrates 100% with your panoramic unit and offers extensive image processing capabilities: contrast enhancement, video inversion, zoom filters, pseudo-colours, equidensity, etc. It also enables you to make very precise, actual size measurements, directly on your panoramic image.





# PANORAMIC CEPHALOMETRIC 3D CONE BEAM IMAGING



## I-MAX TOUCH 3D

### Reliable, precise implant surgery guaranteed

The I-Max Touch 3D is the evolution of the I-Max Touch, a panoramic unit that is well respected among practitioners, with more than 1 500 units installed over the last 2 years. Aside from its refined design, elegance, user-friendliness, image quality and reliability, the I-Max Touch 3D offers the best adapted volume for dental use to date.

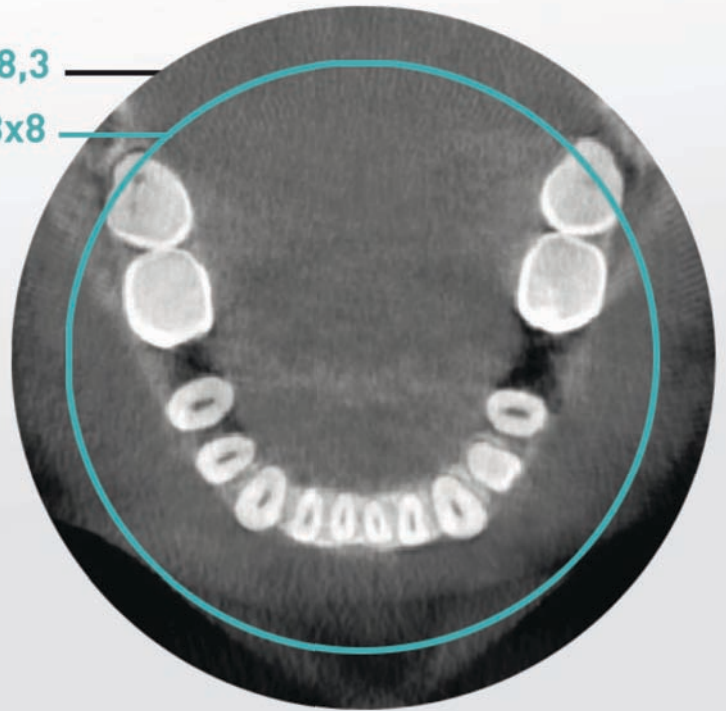
**3D**

#### Universal 3D volume.

Thanks to its 9,3 cm diameter, 8,3 cm high volume, the I-Max Touch 3D guarantees the capture of the entire jaw with a single exposure, including impacted molars and regardless of the patient morphology.

9,3x8,3

8x8



#### Cone Beam High definition sensor

Contrasted and in high definition, the image generated with the Flat Panel sensor allows the practitioner to realize a very precise diagnosis in a few seconds.

**3<sup>in</sup>1**

#### 3 acquisition modes in one universal device, a naturally simple solution

The I-Max Touch 3D panoramic unit is a progressive, cost-effective solution that produces high quality images. It offers the possibility of conducting 3D examinations and also of acquiring true panoramic X-Rays (without reconstruction from the 3D volume) and cephalometric images (optional).

#### A low radiation for an improved protection

A single scan with a very reduced dose of x-rays to the patient.

#### 3D programs :

- Complete dentition
- Left TMJ
- Right TMJ
- Maxillary sinus
- + Pan PROGRAMS
- + Ceph PROGRAMS (optional)

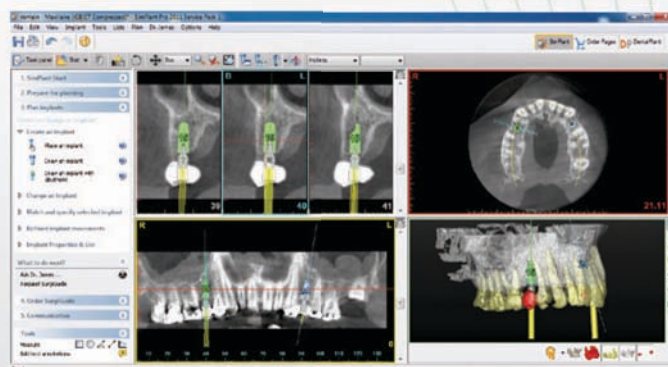




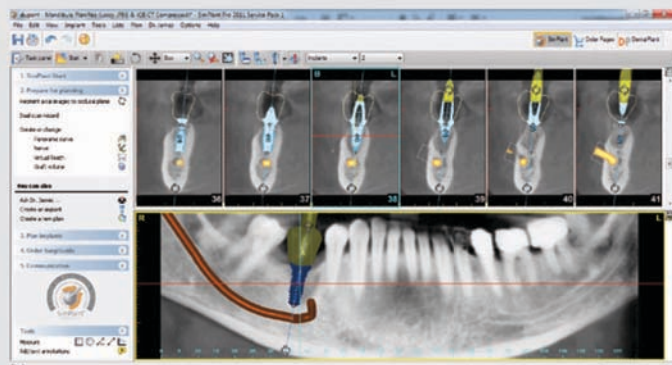
# SimPlant®

## A unique all-in-one solution

Owandy and Materialise Dental have signed a unique strategic partnership that allows them to offer their users the best 3D digital imaging solution on the dental market: the powerful cone beam panoramic unit, the I-Max Touch 3D, has joined forces with the best 3D implant planning software, SimPlant®.



## SimPlant® far more than a simple planning tool



SimPlant® is a reliable, user-friendly system that enables you to plan an implant procedure quickly, accurately and effectively (instant display of compatible implants and abutments and SurgiGuide® drill guides). Equipped with a library of more than 8000 implants spanning 90 different brands, an accurate mandibular nerve creation tool, SimPlant® offers the best 3D diagnostic and (implant) treatment tools available on the market.

## A unique all-in-one solution

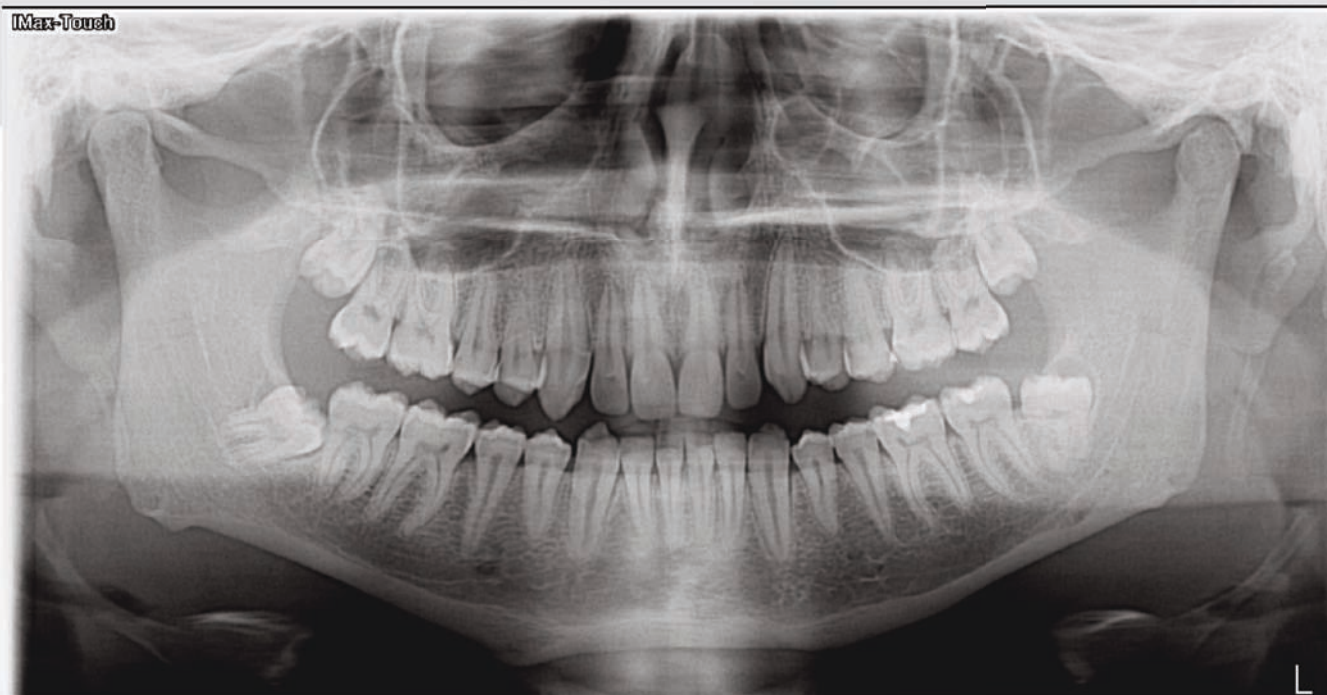
Thanks this all in one solution, the entire follow-up process for your patient is carried out in your dental practice :

- Creation of a patient file in the QuickVision software
- 3D volume acquisition
- Planning and simulation of the implant procedure
- Production of a surgical guide where necessary

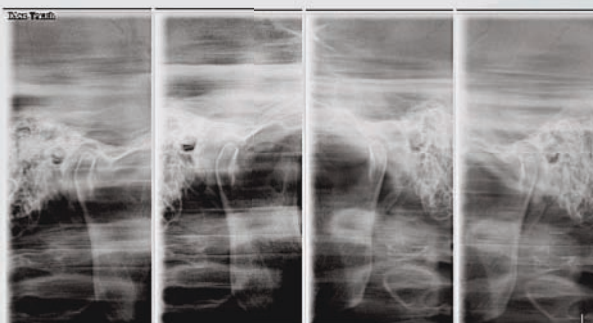
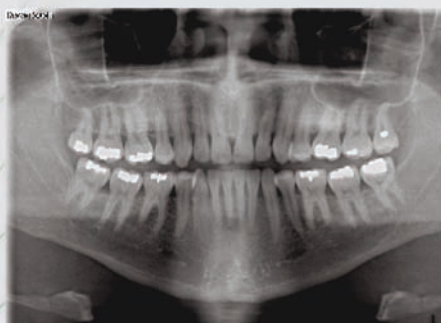




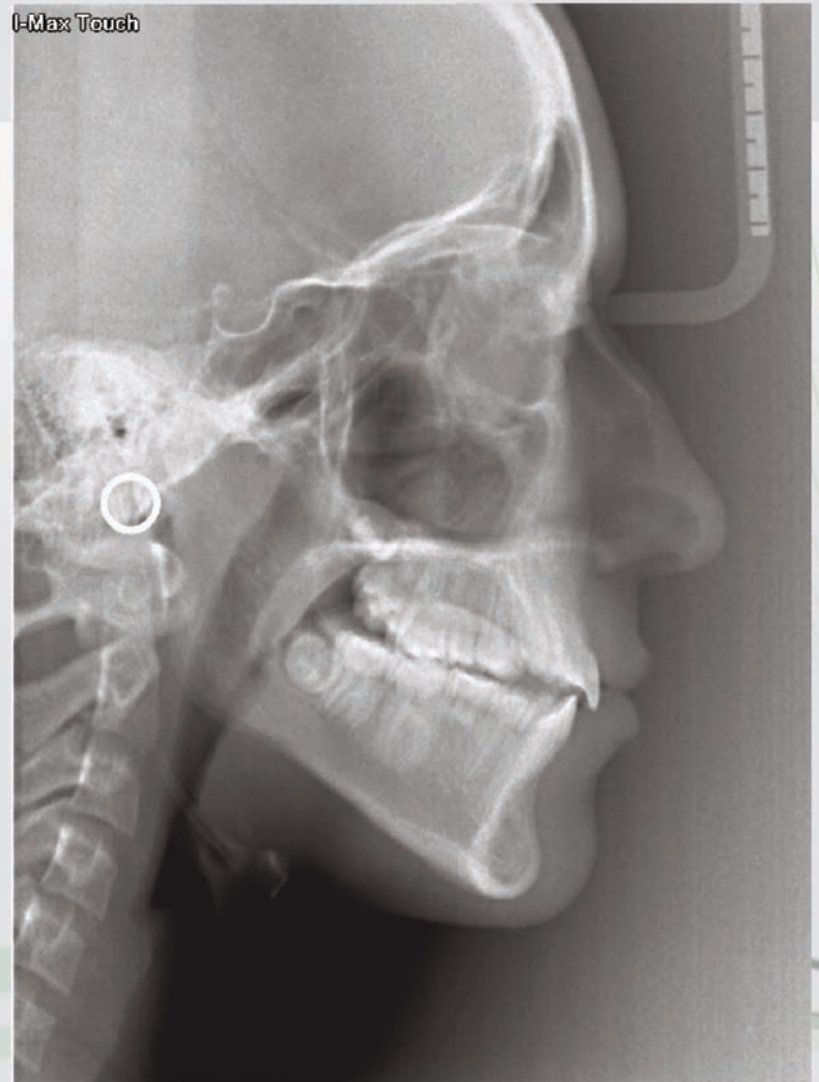
PANORAMIC  
CEPHALOMETRIC  
3D CONE BEAM IMAGING



The precise panoramic images allow you to visualize clearly buccal anatomical structures through adapted programs for adults and children

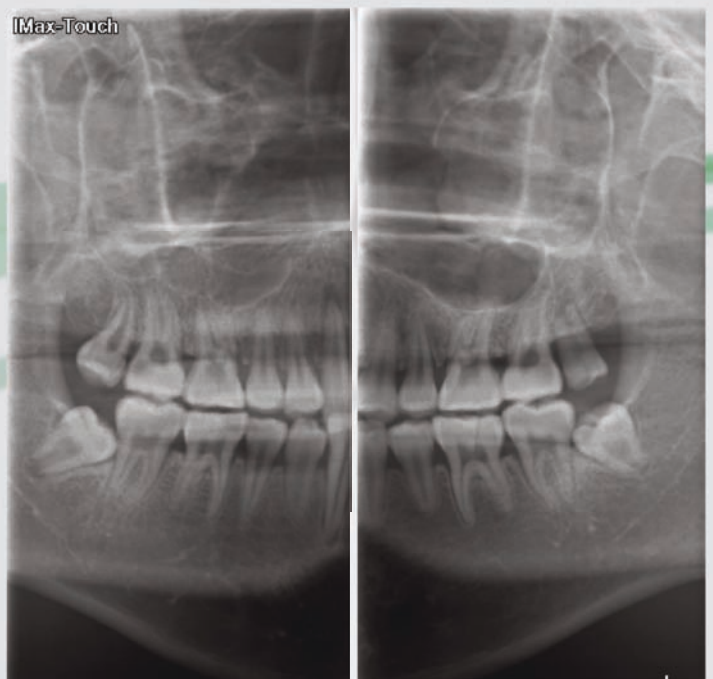




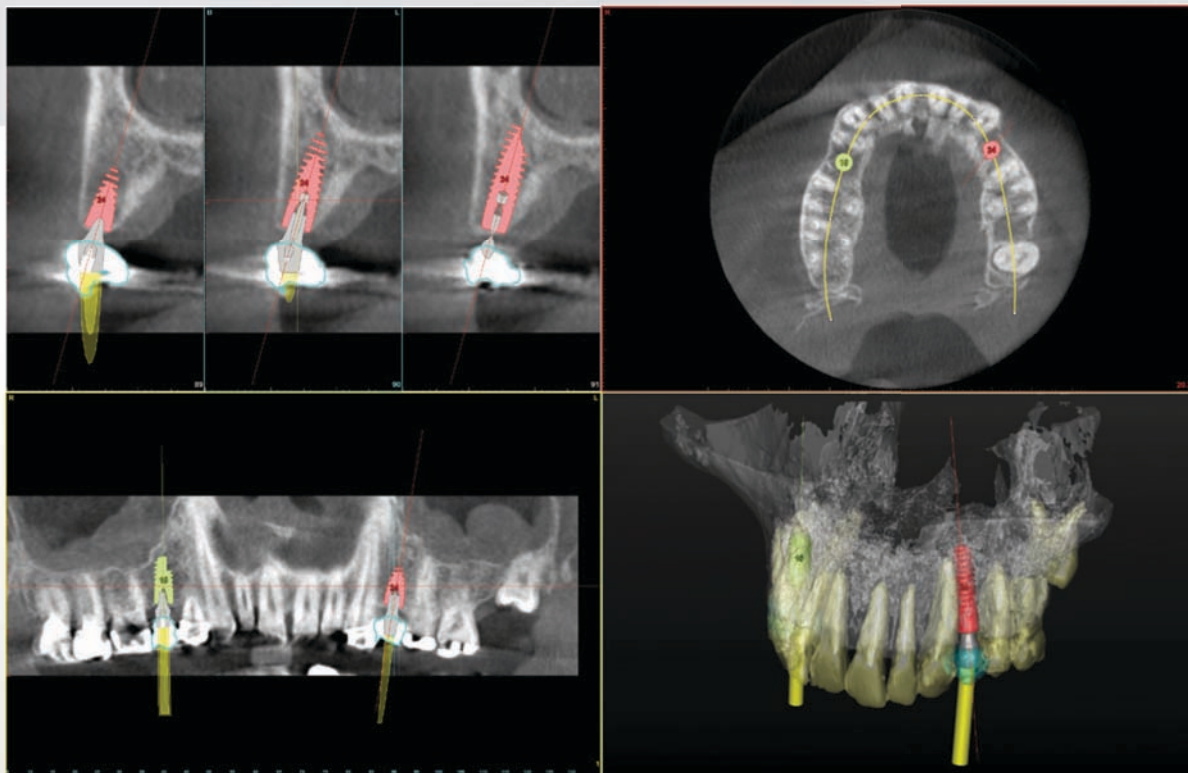


The cephalometric option offers the possibility of front and lateral images with different sizes as well as hand picture (carpus).

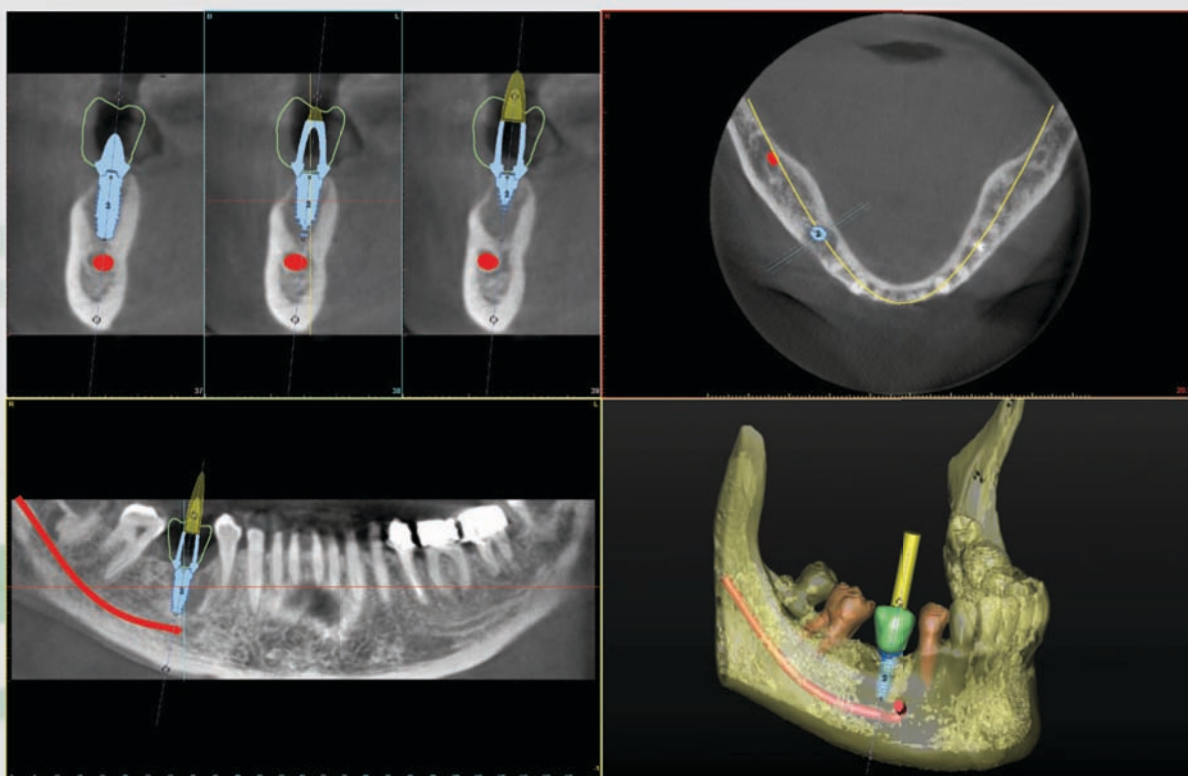
Panoramic images with improved orthogonality program reduce overlapping teeth. TMJ programs allow the acquisition of open and / or closed mouth pictures, while the bitewing program offers a fast alternative to bitewing images made with an intraoral sensor.



# PANORAMIC CEPHALOMETRIC 3D CONE BEAM IMAGING

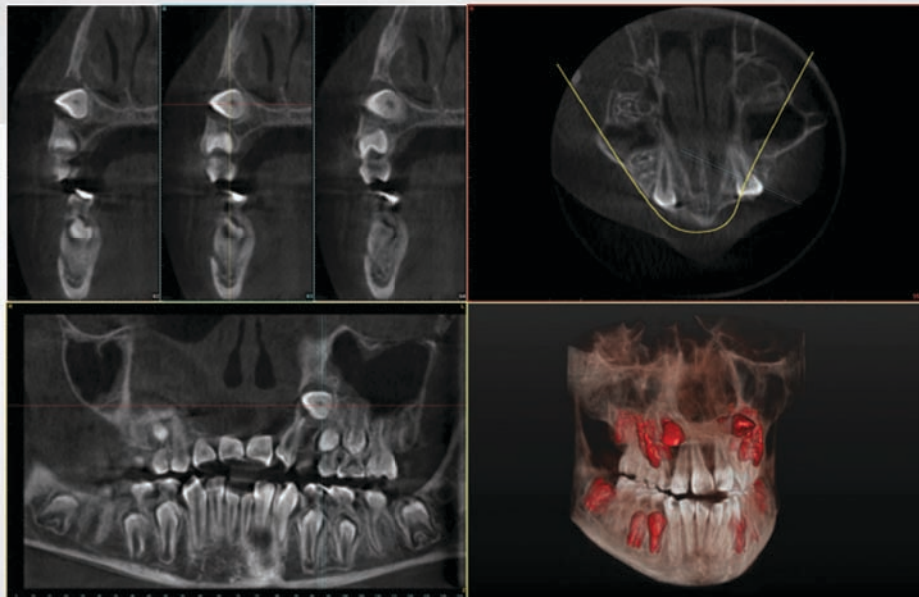


3D volumes are used to assess bone quality to implant area and to view all the surrounding anatomic structures through different planes. For clarification these are repositionable by the user. The large library of implants simplifies the planning of surgery.

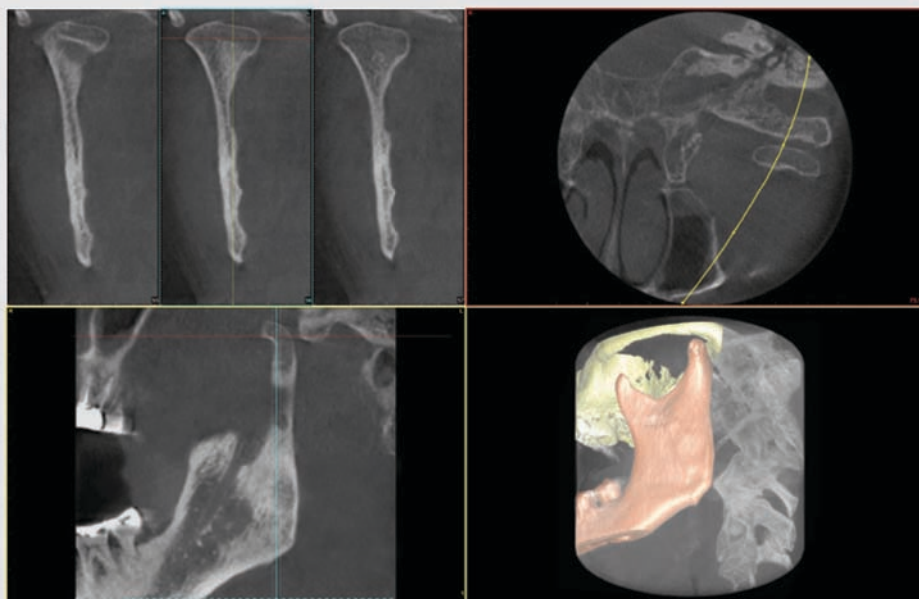


It is possible to draw the mandibular canal to view it in all section planes, during the planning of surgeries on the mandible. The software displays a warning when an implant is positioned near the canal.

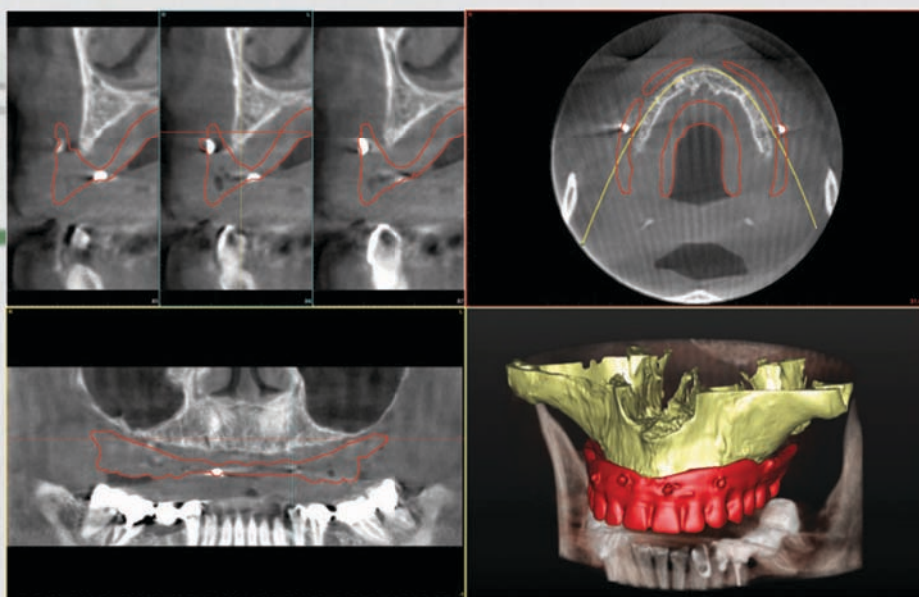




The oral exploration in three dimensions allows the study of the relationship between the different anatomical structures while improving the localization of impacted teeth or deciduous.



On the three-dimensional TMJ view, the analysis of the condyles, the joint space and nearby structures is easy.



The Dual Scan software option allows quick visualization of an existing denture thanks to radiopaque markers.

## TECHNICAL SPECIFICATIONS

### I-MAX TOUCH

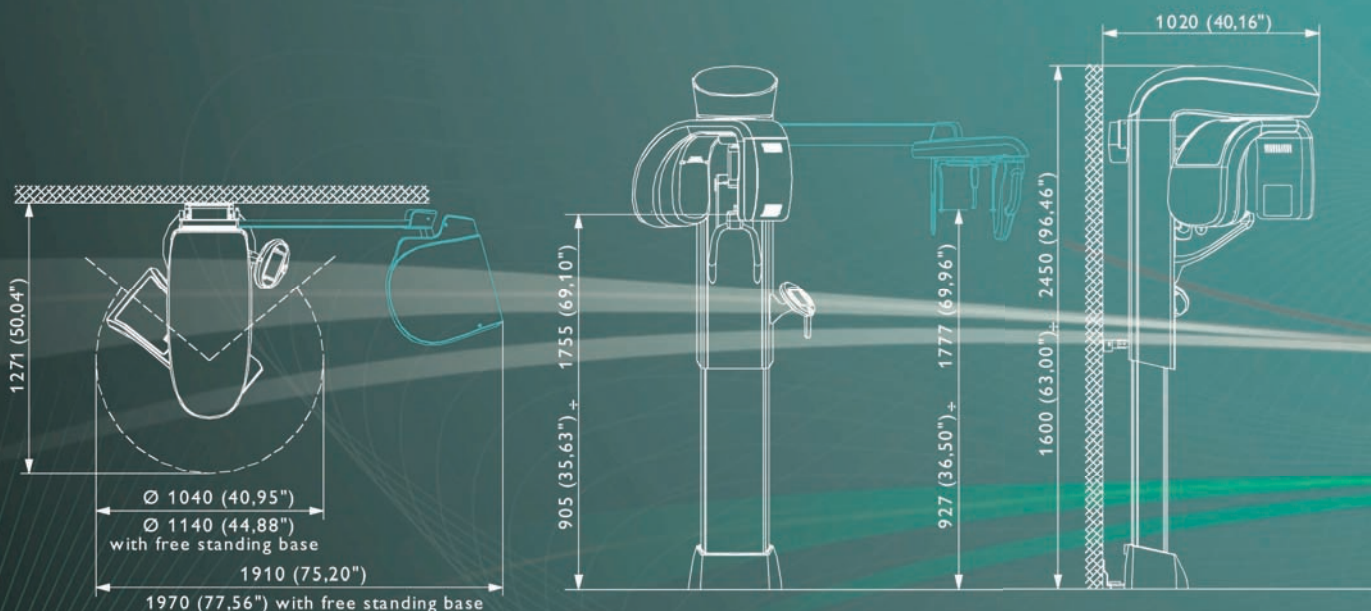
- HF Generator At constant potential
- Focal spot 0.5 EN60336
- Min. total filtration 2.5 mm Al equivalent
- Anode voltage 60 - 86 kV
- Anode current 6 - 10 mA PAN, 6 - 12 mA CEPH
- Exposure time Pan 13.8 s / Ceph starting at 4.5 s
- Column Motorized telescopic
- SID (Source to Image Distance)  
Pan 500 mm / Ceph 1650 mm
- Digital sensor HD CCD + optical fiber plate
- CCD resolution 10.4 lp/mm
- Connection Direct acquisition (network cable)  
and/or integrated touch screen
- Storage Computer and/or USB memory stick
- Power supply 100-120 V, 220-240 V, 50/60Hz
- Amperage 8 A

### I-MAX TOUCH 3D

- 3D rotation 200° (180° TMJ)
- Rotation time 20 s
- Exposure time 8 s (generator in pulsed mode)

#### Sensor data

- Digital sensor Amorphous silicon flat panel
- Surface 130 x 130 mm, 512 x 512 pixels
- Acquired volume 93 x 83 mm
- 3D volume voxel size 156 x 156 x 156 µm



Dealer's stamp

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SOFTWARE  
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