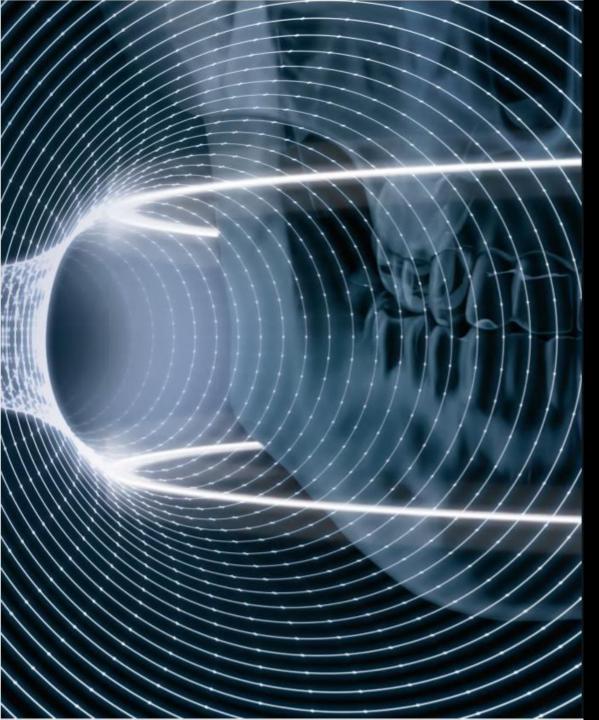
NewTom GO COMPLETE.VISION

INTEGRATED 2D/3D/CEPH IMAGING







IMAGING EXCELLENCE COMBINED WITH THE VERSATILITY OF A COMPLETE, SAFE, TECHNOLOGICALLY ADVANCED SYSTEM.

Technological research, reliability and innovation. The functional evolution of the more compact NewTom system that offers the best performance and the extraordinary quality of 2D / 3D and CEPH imaging in one versatile, accessible device.

NEWTOM TECHNOLOGY FOR DIAGNOSIS IN EVERY DENTAL CLINIC

A single compact device, high quality images that meet a wide range of clinical diagnostic needs.



MassTom GO



BROAD DIAGNOSTIC POTENTIAL

The versatility of the device and NewTom solutions suitable for every diagnostic need broaden the clinic's scope



MINIMUM X-RAY DOSE

Focused patient safety with ECO Dose functions and SafeBeam ™ technology to automatically adapt the radiated dose to the patient.



ACCESSIBLE TECHNOLOGY

Made accessible through smart, automated procedures, advanced technology for everyone.



MAXIMUM

Captured X-ray images can easily be stored, exported and shared with specialist third party software.



BROAD DIAGNOSTIC POTENTIAL

Imaging excellence, NewTom know-how, Maximum performance

- 2D Pan & CEPH.
 2D images are available with multiple protocols and advanced filters that allow dentists to obtain accurate data.
- Perfect 3D in HiRes
 NewTom lets users capture 3D images in very high definition with voxel dimensions of 80 μm with maximum FOV 10 x 10 cm.







COMPLETE 2D APPLICATION.

MultiPAN - ApT (10x)

FULL PAN. Adult-Child. High Resolution PAN for improved orthogonality or Eco Dose. **DENTITION & BITEWING** Ultra HR & Ortho Constant Magnification.





WITH LIMITED EXPOSURE

HR CEPH (8x)

Fast-scan full lateral or reduced LL and AP-PA teleradiography in High Resolution or ECO dose.





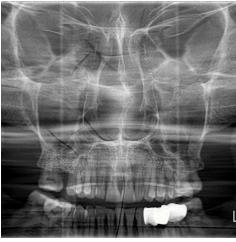


COMPLETE 2D APPLICATION.

SIN (3x)

Lateral Left and Right.

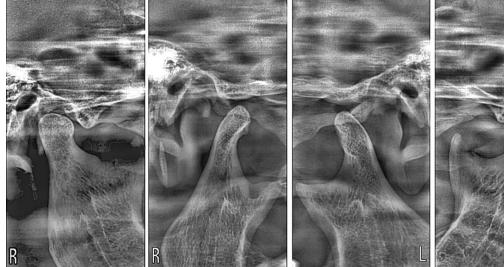






TMJ (6x)

AP LL Open & Closed Mouth.

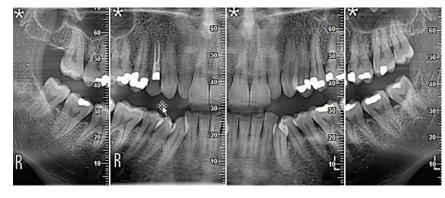


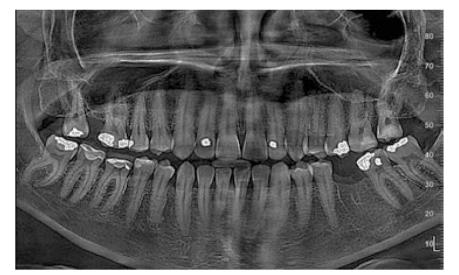
COMPLETE 2D APPLICATION.

Dedicated protocol with optimized interproximal projection; increased signal-noise ratio gives highly detailed dentition images

BITEWING HI-RES (3x)

Lateral Left and Right.





COMPLETE DENTITION (3x)

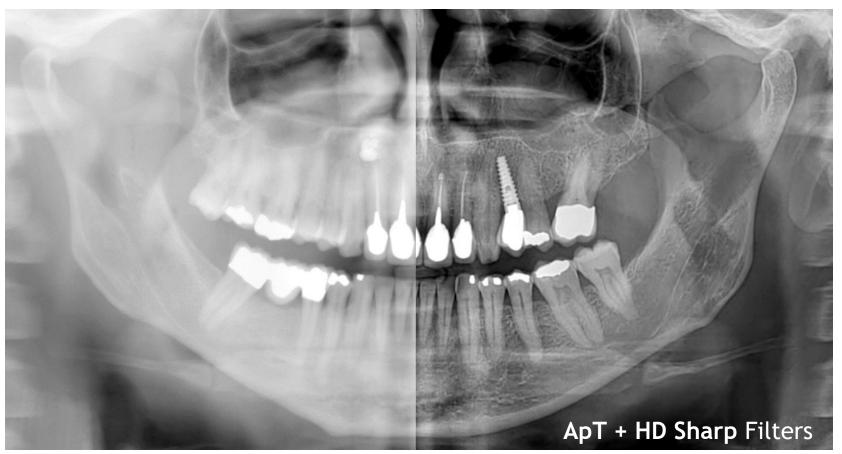
Left right or frontal



AUTO-ADAPTIVE PANORAMIC TREATMENT

Panoramic acquisition protocols that auto-adapt to the patient's anatomy.





MINIMUM X-RAY DOSE

ACCESSIBLE TECHNOLOGY





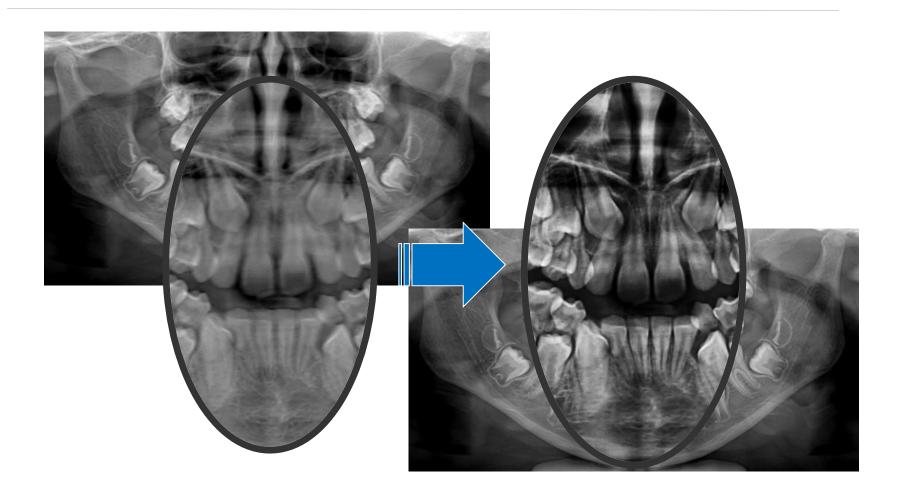
MULTIPLE PANORAMIC

Allows users to choose from 5 Panoramic images.



The MultiPan function automatically creates a Dataset of 5 Panoramic Images with a single scan. Users can choose the one that best meets their needs to allow examination of differing, complex patient morphologies.

APT OPTIMISATION RESULT

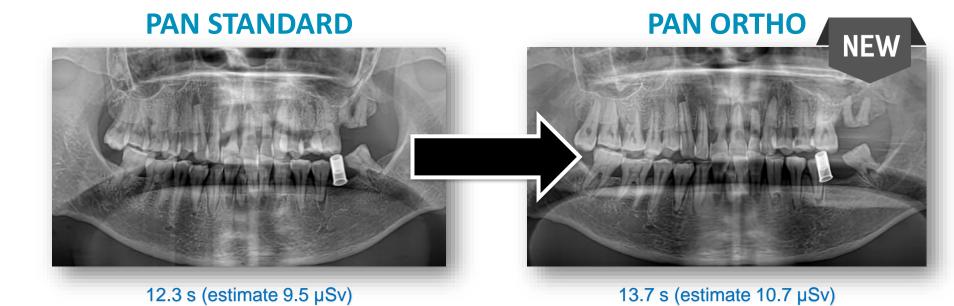


- BROAD DIAGNOSTIC POTENTIAL
- MINIMUM X-RAY DOSE
- ACCESSIBLE TECHNOLOGY
- MAXIMUM CONNECTIVITY



2D PAN

Improvement on PAN images, avoiding teeth overlap





PAN ORTHO

Overview with interproximal projection, for better periodontal control



- BROAD DIAGNOSTIC POTENTIAL
- MINIMUM X-RAY DOSE
- ACCESSIBLE TECHNOLOGY
- MAXIMUM CONNECTIVITY



CHILD PANORAMIC

Dedicated protocol with reduced X-ray exposure (and vertical collimation). Available also in ECO scan low dose



TELERADIOGRAPHY (CEPH)

TELE LATERAL (4x)

Latero-Lateral teleradiography, highlighting both bony structures and soft tissue profile, suitable for Cephalometry. Automatic cephalometric drawings (CEPHX) can also be obtained.



AP-PA projection is useful to determine asymmetries and malocclusions for correct treatment.

TELE CARPO (1x)

For residual growth assessment, possible with dedicated support.







- BROAD DIAGNOSTIC POTENTIAL
- MINIMUM X-RAY DOSE
- ACCESSIBLE TECHNOLOGY
- MAXIMUM CONNECTIVITY

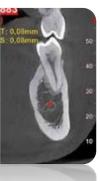


3D Adaptive FOV (DENT & SIN) Adult & Child

NewTom experience ensures a clear 3D view.







3D FullFOV (10x10 cm) - HiRes (80um)



• 3D Complete: 8 FOVs, 4 acquisition modes and up to 70 exams meet the dentist's every need

DENT SUP 6 x 6 8 x 6 10 x 6

DENT INF 6 x 7 8 x 7 10 x 7

DENT + SIN Child



SIN or DENT FULL



SIN 10 x 10





- BROAD DIAGNOSTIC POTENTIAL
- MINIMUM X-RAY DOSE
- ACCESSIBLE TECHNOLOGY
- MAXIMUM CONNECTIVITY



ADAPTIVE FOV.

- Beam Collimation. 2D & 3D field of view adjustable to region of interest in relation to patient build.
- ADULT & CHILD. Reduce size.
- 3D aFOVs. Adaptable to specific needs. Variable for different regions of interest

3D



10x10 cm



10x6 cm



8x7 cm



8x6 cm

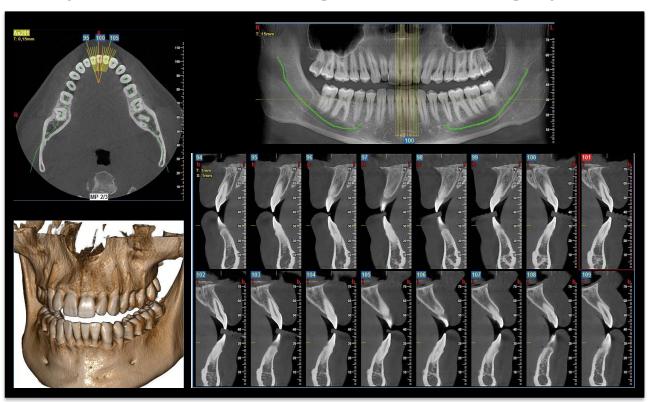


6x7 cm



3D (10x10 cm) in HiRes (80um) - COMPLETE ADULT ARCHES

Full analysis of both arches with a single scan without losing any detail.





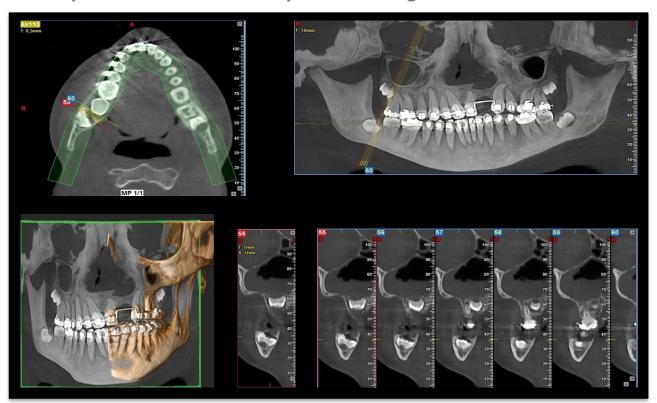
The NewTom GO Native FOV offers an image breadth that is highly suitable for acquiring and displaying upper and lower third molar relationships with the entire dentition, without image quality being affected by metal-caused artifacts or amalgam.

- BROAD DIAGNOSTIC POTENTIAL
- MINIMUM X-RAY DOSE
- ACCESSIBLE TECHNOLOGY
- MAXIMUM CONNECTIVITY



3D (10x10 cm) ECO - COMPLETE PAN CHILD

Full analysis for orthodontic analysis with a single scan in low dose mode.



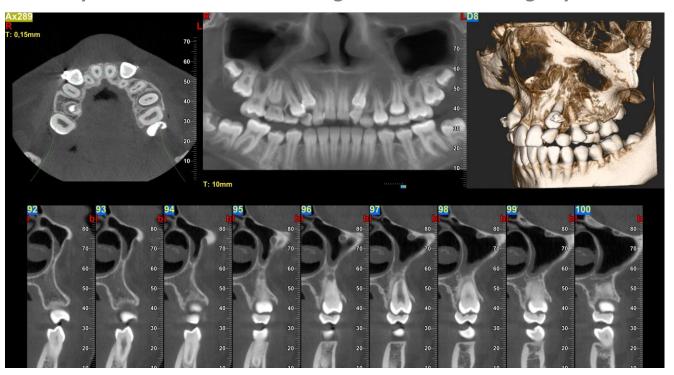


The NewTom GO Native FOV provides a full display for dental paediatric diagnostics, useful for best analysis of critical cases.



3D (8x7 cm) in HiRes (80um) – COMPLETE CHILD ARCHES

Full analysis of both arches with a single scan without losing any detail.





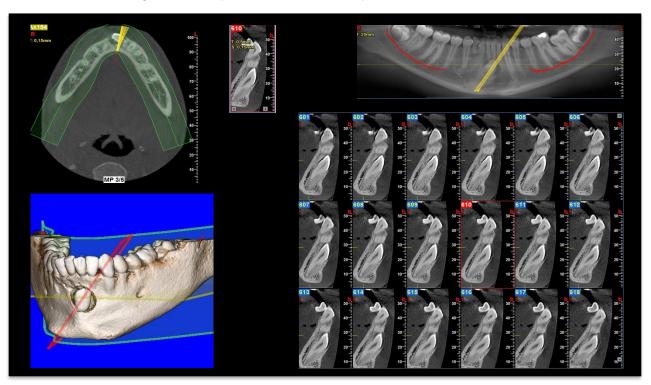
Paediatric Orthodontic Treatment, whether for aesthetic reasons or to cure more serious pathologies, has been optimised in NewTom GO thanks to the reduced impact of artifacts. NewTom GO Cone Beam X-ray Technology and dedicated NNT software provide a complete Dataset of images that can also be subsequently modified to respond to needs on a case by case basis.

- BROAD DIAGNOSTIC POTENTIAL
- MINIMUM X-RAY DOSE
- ACCESSIBLE TECHNOLOGY
- MAXIMUM CONNECTIVITY



3D (10x7 cm, 8x7 cm) in HiRes (80um) - LOWER ARCH

Lower Arch Acquisition (Adult and Child)





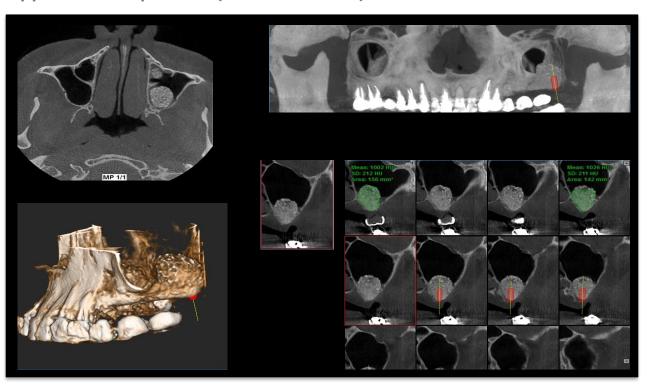


For unerupted canines and their relationship with the mandibular canal and adjacent anatomical structures, dedicated NewTom GO FOVs offer the ideal tool for attainment of complete images and their simple, fast processing to highlight points of interest.



3D (10x6 cm, 8x6 cm) in HiRes (80um) - UPPER ARCH

Upper Arch Acquisition (Adult and Child)





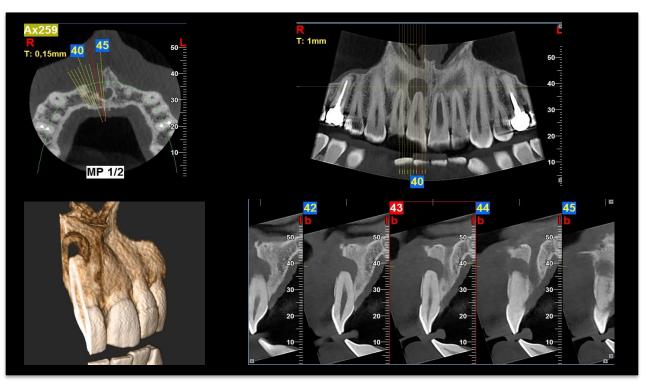


With FOVs that can be used to analyse an anatomical part (e.g. maxillary sinus with lift suitable for implant insertion) NewTom GO meets implant specialists' needs as regards assessment of the implant site and its density.



3D (6x6 cm, 6x7 cm) in HiRes (80um) - LOCAL INVESTIGATION

Acquisitions for Upper and Lower Local Investigation (Adult and Child)





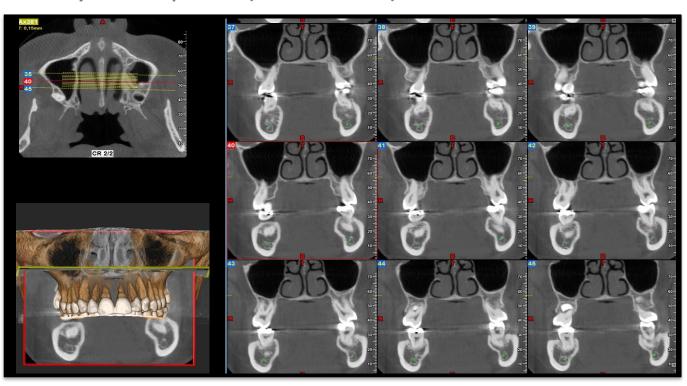


New Tom GO offers an effective response to the need for a highly detailed view of limited anatomical areas and helps deal with all Endodontics and Periodontics-related problems; high resolution and collimation of small FOVs make it a highly precise diagnostic tool.



3D (10x10 cm) in HiRes (80um) - MAXILLARY SINUSES

Maxillary Sinus Acquisition (Adult and Child)





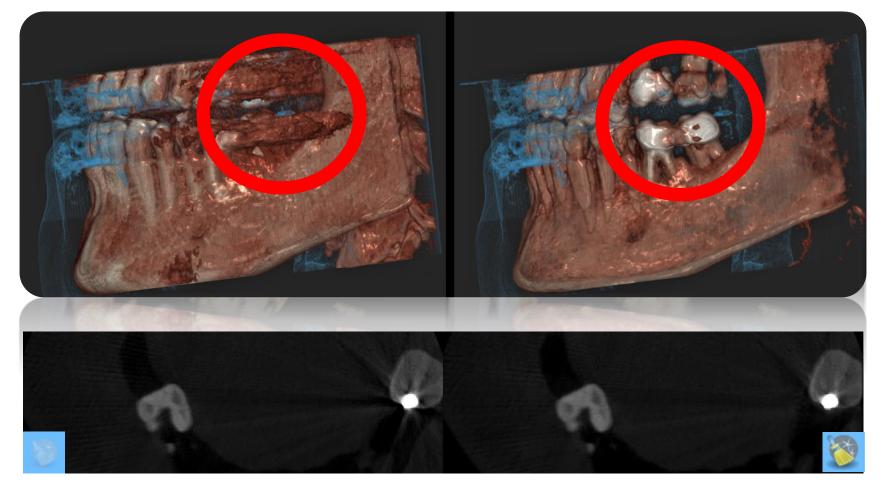
An ideal FOV for a complete view of the maxillary sinuses, arches and airways adds to the perfection of NewTom GO, satisfying users' needs by providing extremely simple exam execution and processing.

- BROAD DIAGNOSTIC POTENTIAL
- MINIMUM X-RAY DOSE
- ACCESSIBLE TECHNOLOGY
- MAXIMUM CONNECTIVITY



3D Auto-Adaptive Metal Artifact Removal (aMAR)

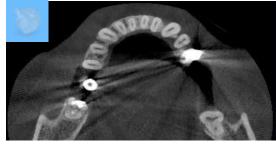
Proprietary algorithm developed by NewTom

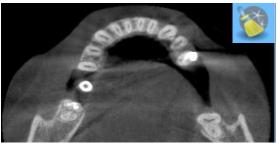




3D Auto-Adaptive: Metal Artifact Removal

Implants

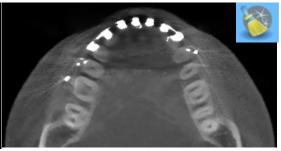




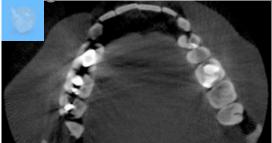
- Automatic Detection and Reduction of metal artifacts
- Generation of new 3D Document, clearly identified, along with all the original secondary reconstructions
- Original Dataset still available for a complete evaluation
- «One-click» procedure launch!

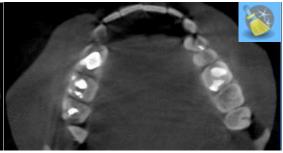






Amalgams









MINIMUM X-RAY DOSE

Patient safety first and foremost

• SafeBeam[™] 3D/2D technology that automatically adapts the emitted dose to the patient's anatomical build to prevent overdoses.



- ECOdose-3D: ultra-fast 3D Scan Protocol, minimum exposure time and 3D & Adaptive FOV.
- ECOdose-PAN: ultra-fast PAN protocol to reduce patient dose & Variable 2D collimation.
- ECOdose-CEPH: ultra-fast Teleradiography scan in order to reduce patient dose, useful for children & short scans.







SAFEBEAM TM

- Function for both **CBCT** and **2D** exams
- Patented technology
- Anatomically adapts the emitted dose to the anatomical build of the patient

ADVANTAGES

- Ensures improved quality and low doses
- Prevents any risk of over-exposure





3D - ECO DOSE

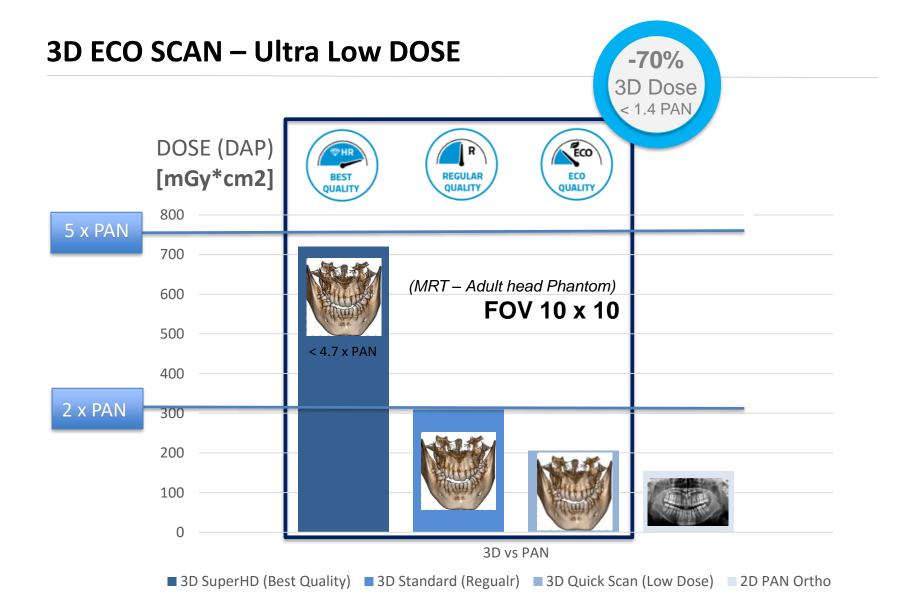
- CBCT Technology (Pulsed Emission)
- ECO Scan: Ultra-fast 3D Scan Protocol and minimum exposure time: 1.6 s
- 3D Adaptive FOV (variable collimation) for
 - Adult/Child
 - Complete/partial analysis





- BROAD DIAGNOSTIC POTENTIAL
- MINIMUM X-RAY DOSE
- ACCESSIBLE TECHNOLOGY
- MAXIMUM CONNECTIVITY



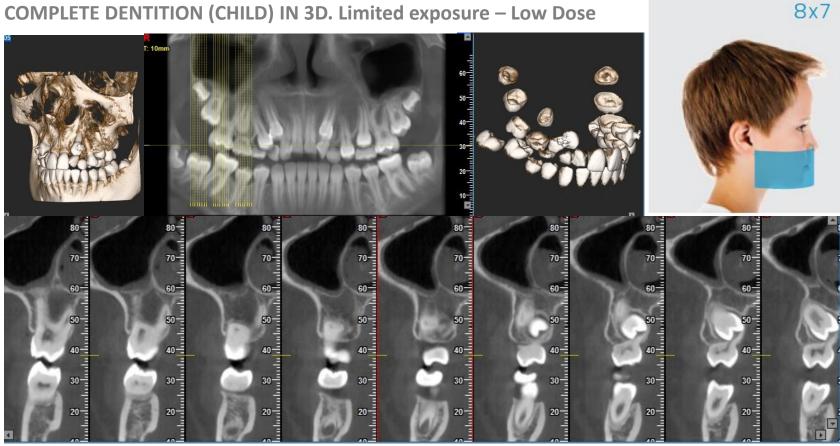


- BROAD DIAGNOSTIC POTENTIAL
- MINIMUM X-RAY DOSE
- ACCESSIBLE TECHNOLOGY
- MAXIMUM CONNECTIVITY



3D Adaptive FOV

COMPLETE DENTITION (CHILD) IN 3D. Limited exposure – Low Dose



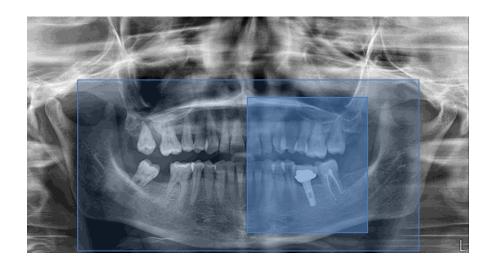


PAN - ECO DOSE

- ECO PAN: Ultra-fast Scan Protocol 6.8s
- Adaptive FOV:
 - Complete or partial scan
 - Variable 2D collimation (Adult/Child)



6.8 s



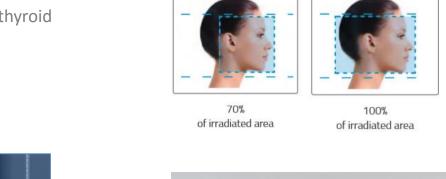




29 cm

CEPH - ECO DOSE

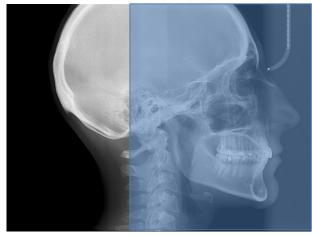
- ECO: Ultra-fast CEPH Scan Protocol and minimum exposure time: 3.7 s
- Long rod for Child Complete view of the skull with out thyroid
- Short scan



21 cm



3.7 s







UPPER CEPH – LOWER DOSE

LONG RODS FOR FULL SKULL IN CHILDREN

- Helpful for Child positioning
- Lower dose to Thyroid
- Full upper head visualization









ACCESSIBLE TECHNOLOGY

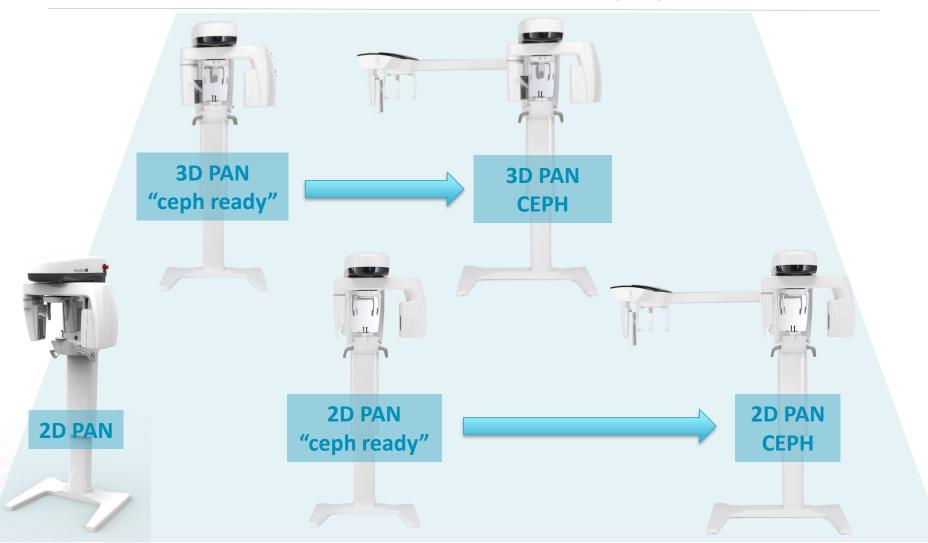
Affordable high performance for a certain, shared result

- Full Range of excellent imaging devices New technology for the best imaging results with real CEPH-ready units. Fast installation, minimum consumption: ECO-Friendly
- Real-Time diagnosis in minimal space. A fast, simple, complete, high performance diagnostic device: all the potential of 3D, 2D and CEPH with very low space requirements.
- Perfect patient positioning and stability NewTom GO ergonomics is designed to maximise practicality and operational benefits. Self-adaptive examination settings and guaranteed patient stability ensure certain results.
- In-depth clinical investigations with Augmented **Connectivity: NNT** Absolute image quality, guaranteed by NewTom technological excellence, is now available to all.





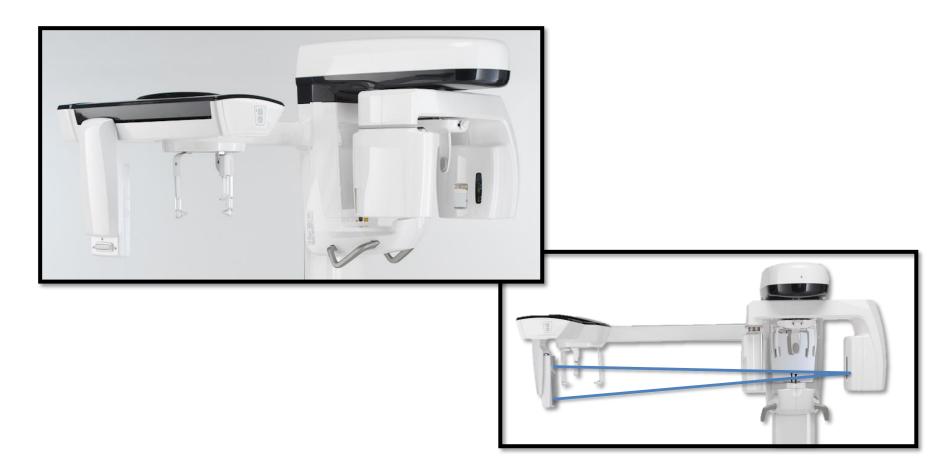
NewTom GO: FULL RANGE of excellent imaging devices.





TELERADIOGRAPHY (CEPH) – on 3D device

• The 3D sensor rotates and lets users execute the cephalometric exam...

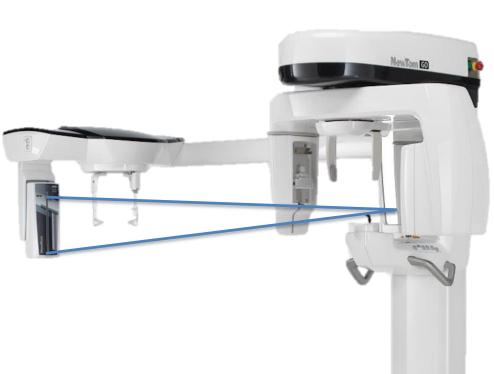




TELERADIOGRAPHY (CEPH) – on 2D device

• The relocatable 2D sensor lets users execute the cephalometric exam...







NewTom 2D & 3D DETECTORS.

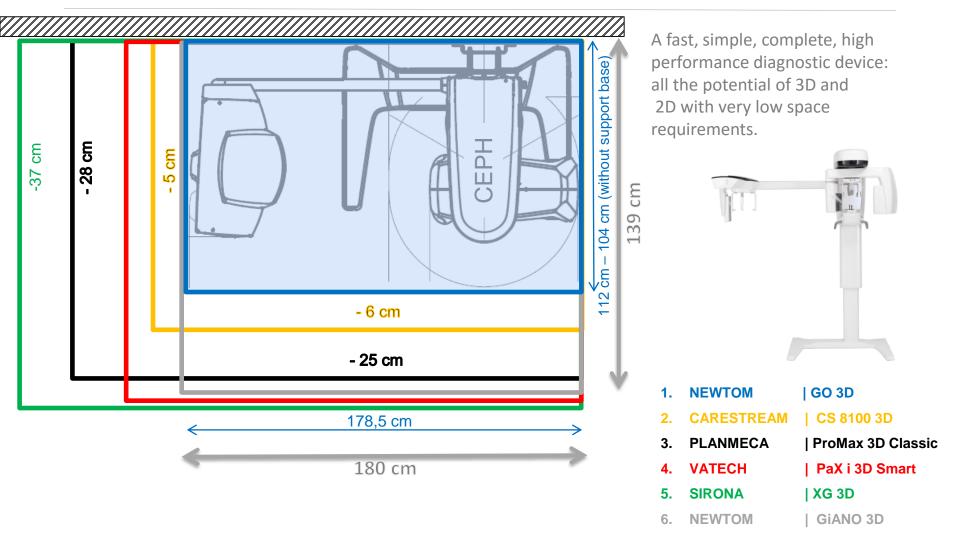


- **3D-PAN Panel.** 16 bit High-Resolution. Automatic Positioning & activation.
- CEPH Sensor. High Sensitivity dedicated sensor



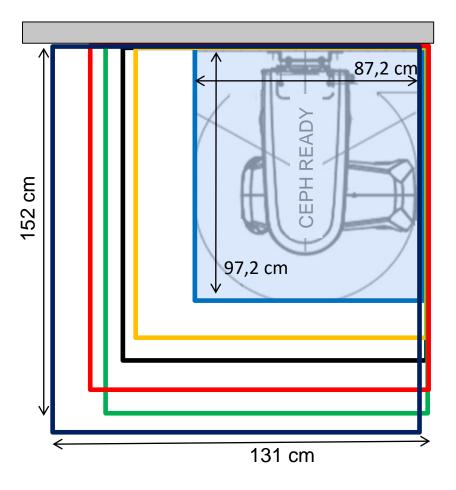
- PAN Sensor. High performance Multi-Layer
- PAN-CEPH Sensor. High Sensitivity relocatable sensor

IMMEDIATE QUALITY DIAGNOSTICS WITH MINIMAL SPACE REQUIREMENTS





IMMEDIATE QUALITY DIAGNOSTICS WITH MINIMAL SPACE REQUIREMENTS



A fast, simple, complete, high performance diagnostic device: all the potential of 3D and 2D with very low space requirements.

1. **NEWTOM**

2. CARESTREAM

3. PLANMECA

4. VATECH

5. SIRONA

6. NEWTOM

I GO 3D

| CS 8100 3D

| ProMax 3D Classic

| PaX i 3D Smart

| XG 3D

| GiANO 3D





ACCESSIBLE

Quick installation, Small and Eco-Friendly.

- Immediate installation: easy to transport, easy to assemble
- Simple, user-friendly work flow: fast start-up, real-time diagnosis
- NewTom quality at your service: minimum maintenance

Fast installation: UP & ON





HIGH PERFORMANCE FOR CERTAIN RESULTS

NewTom GO NewTom

Self-adaptive examination setting and guaranteed patient stability.

- Absolute image quality, guaranteed by NewTom technological excellence.
- Easy patient positioning and the certainty of the diagnostic outcome allow dentists to work confidently and save precious time.
- NewTom GO ergonomics is designed to maximise practicality and operational benefits.





NewTom GO

PERFECT POSITIONING

- 3 laser guides (Median Sagittal, Frankfurt plane, Canine). Simplified patient alignment
- Open view and wide mirror. Easy patient positioning. Improved patient experience
- Simple controls, on-machine or via APP. Virtual control panel for PC and iPad
- Auto-adaptive panoramic: automatically selected optimal focussing

Servo-assisted alignment control. With Scout for













& adaptive PAN



The device automatically adapts the exposure parameters according to patient build and supplies an image that is always in focus. Broad focal trough and automatic ApT filters ensure that details are always viewed optimally.







Manual Patient adjustment

Adjustment on Scout

Manual Parameters Selection

Simplified patient positioning for immediate diagnosis and a certain result







3D EXAMS. FOR EVERY NEED.





- Ultra Low Dose
- Good Quality
- Ultra-Fast Scan: 6.4 s



- ✓ Follow-Up
- ✓ Orthodontic
- ✓ Child
- \checkmark



- Low Dose
- Excellent Quality
- Fast Scan: 9.6s



- ✓ Gen. dentistry
- ✓ Implantology
- **√** ...



- Regular Dose
- eXtra Quality
- Fast Scan: 16.8 s



- ✓ Endodontic
- ✓ Microfractures
- **√** ..

- BROAD DIAGNOSTIC POTENTIAL
- MINIMUM X-RAY DOSE
- ACCESSIBLE TECHNOLOGY
- MAXIMUM CONNECTIVITY



PERFECT POSITIONING - 3D

NewTom GO ergonomics is designed to maximise practicality and operational benefits.

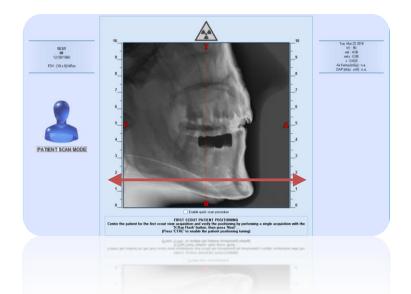
- Head support with 5 stable contact points
- Self-locking with comfortable pads
- Solid (metal) ergonomically designed handles aid effective stability





PERFECT POSITIONING – 3D

- 5-point head support (maximum stability) <u>3 positions</u>
- Guided positioning (virtual control panel with wizard)
- Self-adaptive alignment on Scout view function





- BROAD DIAGNOSTIC POTENTIAL
 - MINIMUM X-RAY DOSE
- ACCESSIBLE TECHNOLOGY
- MAXIMUM CONNECTIVITY



PERFECT POSITIONING – 3D MODEL

A specific protocol allows for tomographic scans of radiological templates, prostheses, models or impressions after they have been positioned on a special support.





PERFECT POSITIONING - 2D

NewTom GO ergonomics is designed to maximise practicality and operational benefits.

- Immediate, simple access
- Broad view
- Handy fold-away accessory holder tray



Easy access

NewTom GO ensures maximum ergonomic practicality at all times: extensive column excursion and immediate hindrance-free patient positioning also facilitate access for patients with motor difficulties, wheelchair users included.



- Craniostat for accurate patient positioning
- Support for carpus analysis

-ATERAL







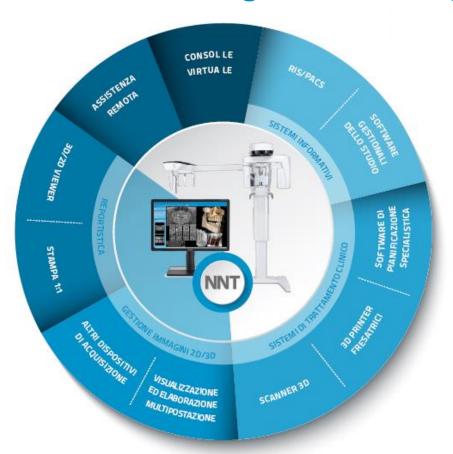


CARPUS



COMPLETE CONNECTIVITY

Clinical investigations with Augmented Connectivity



- **Excellent Connectivity** Full interface with other medical or specialist suites, device and management software.
- **Multiple Interface** 10" on-board touchscreen, PC, iPad, with unique, easy guided work flow.
- **Full Safety** Quality control tools, dose book, and remote IOT assistance.



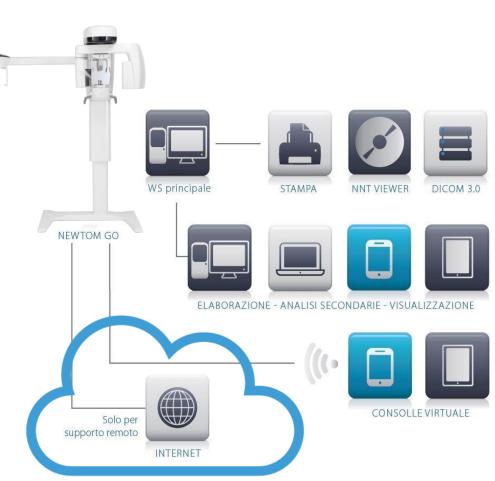
- BROAD DIAGNOSTIC POTENTIAL
- MINIMUM X-RAY DOSE
- ACCESSIBLE TECHNOLOGY
- MAXIMUM CONNECTIVITY



EXCELLENT CONNECTIVITY.

Absolute image quality, guaranteed by NewTom technological excellence, now for everyone.

- Hospital DICOM 3.0. IHE Certified Protocol. MPPS Store-Commitment; Query-Retrieve PACS; Worklist (RIS/HIS); DICOM Print.
- PMS interface. Direct TWAIN driver, VDDS Support, NNT Bridge SDK for Practice Management Software.
- NNT viewer. CD/DVD or other memory support, networked or portable.
- Report print-out (1:1). On Paper or Film
- 3rd Party Specialist Software
- STL (NIP/RealGUIDE). CAD/CAM interface and 3D Scanner



- BROAD DIAGNOSTIC POTENTIAL
- MINIMUM X-RAY DOSE
- ACCESSIBLE TECHNOLOGY
- MAXIMUM CONNECTIVITY

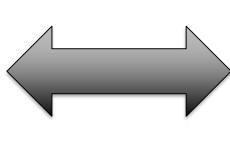


CLINICAL INVESTIGATIONS WITH AUGMENTED CONNECTIVITY: NNT

Images can be:

- Displayed quickly on iPad
- Saved on PC using NNT software
- Sent using the TWAIN protocol
- Shared in DICOM 3.0 format
- Printed on Film in 1:1
- Exported with an interactive viewer
- STL compatible (NIP)





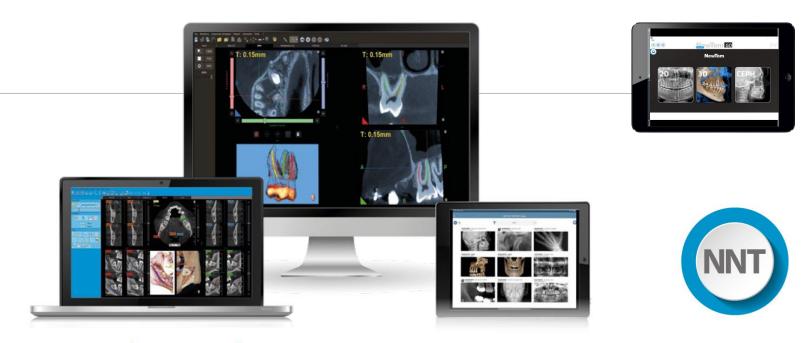


- BROAD DIAGNOSTIC POTENTIAL
- MINIMUM X-RAY DOSE
- ACCESSIBLE TECHNOLOGY
- MAXIMUM CONNECTIVITY



NNT - MULTI VIEWER

A single NNT application provides full integration for processing, management and storage of 2D and 3D images.



NNT VIEWER (DEVICE&APP)

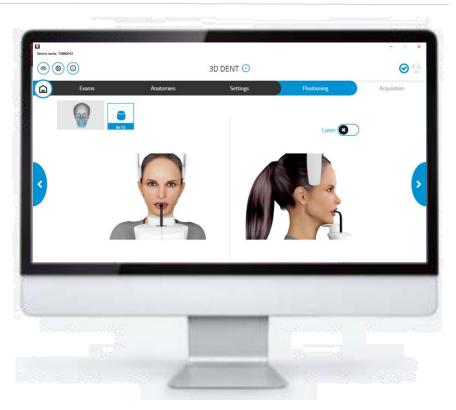
Device control and software viewer available for: PC - iPad - Tablet Windows



NNT - MULTIPLE INTERFACE (PC - MAC, APP for iPAD).

- App for iPAD. Virtual console and mobile NNT viewer.
- Virtual console. For PC or Windows Tablet NNT, full functionality. Guide the user step by step during the exam workflow.
- NNT station. Run in iMAC with parallel desktop (N.B. - Main Workstation requires a PC)



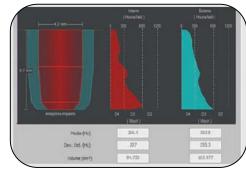




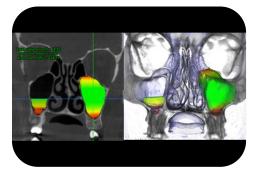
MEDICAL SUITE.

SPECIAL FUNCTIONS.

- DENTAL. Implant simulation with Library & Maxillary sinus Volume.
- ORTHODONTICS. Precise 2D and 3D measurements.
- RADIOLOGY. Advanced or automatic MedLike Reporting.

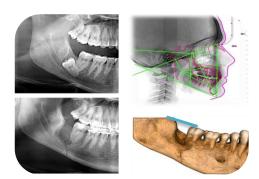


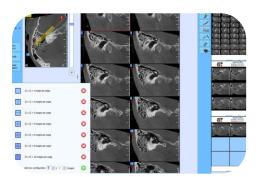
Implant Density evaluation MISH



AirView Volume analysis







2D & 3D Measures

Report

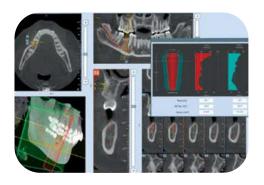
NewTom what's next

MEDICAL SUITE.

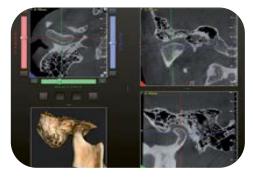
MODULAR INTERFACE.

- Dental. Multiplanar PAN-CROS View.
- ENT. MPR Rotative View.
- GNATHOLOGY. Dual View.
- RADIOLOGY. Multi Slice View

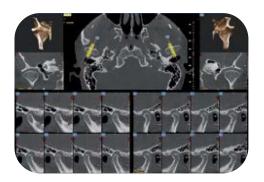




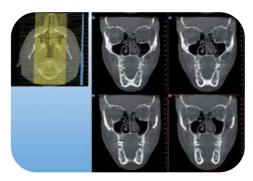
3D Dental Panoramic & Cross Section



Medical MPR: Ear..



Dual View



Multi Slice

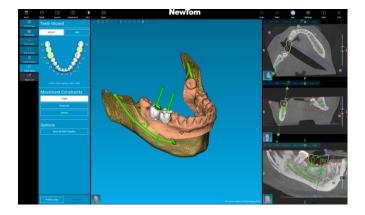


RealGUIDE 5.0



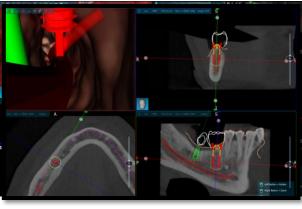
Virtual Endoscopy
Dynamic tool to display
the anatomical
structures of the patient.

■ Manage implants, surgical guides and prosthesis planning in a seamless workflow, all via the cloud.





A.I. Tools - STL ExportAnatomic segmentation of bone, teeth..



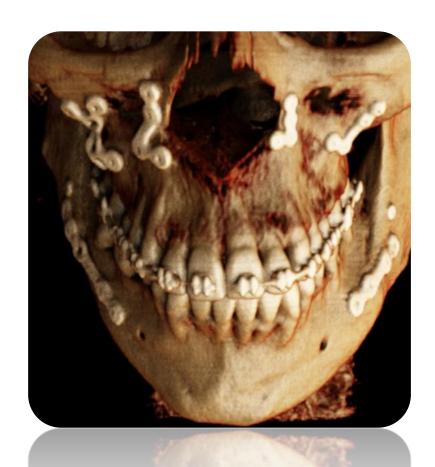
RealBODY
Function to obtain a photorealistic 3D representation of the patient from any projection.



RealGUIDE 5.0



RealBODY





RealGUIDE 5.0



GUIDED IMPLANT PLANNING SUITE

Certified design and modeling universal platform native for PC, MAC and mobile, compatible with any DICOM and STL file.

OUR BENEFIT



Compatible with all implant platforms



Fingertip management of the entire diagnosis and planning phase



Multi platform Software PC, iMAC, iPAD APP



Supported by a team of specialists



Easily share projects with other colleagues via the CLOUD



Integrated communication system via email and push notifications with the production center for real-time updates on order status



Easy guided step-by-step workflow and integrated communication



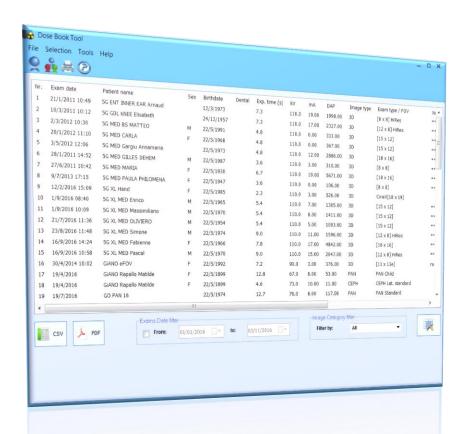


- BROAD DIAGNOSTIC POTENTIAL
- MINIMUM X-RAY DOSE
- ACCESSIBLE TECHNOLOGY
- MAXIMUM CONNECTIVITY



FULL SAFETY.

- Quality Check Tools. Daily Check Embedded Monitor Check APP, Dose Book...
- Remote Assistance. IOT Service.





WIDE RANGE OF HIGH QUALITY DEVICES

Production Start Dates







