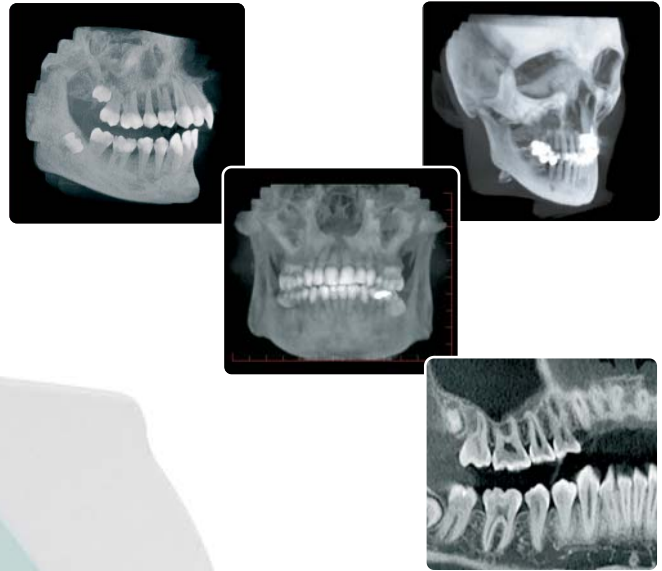


NewTom 3G

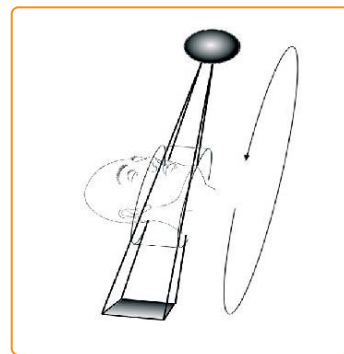
...enlarging your opportunities



NewTom 3G enlarging your opportunities

I tomografi NewTom sono la più avanzata tecnologia "Cone Beam" al mondo. Consentono di ridurre l'esposizione e moltiplicare i tempi di scansione. Con il NewTom si ha la visione della testa del paziente con accuratezza in soli 36 secondi con un'esposizione estremamente ridotta (a partire da 1/50 mAs) nelle applicazioni. Il paziente è sedotto comodamente.

The NewTom 9000 was the first device in the market to use the innovative CBCT (Cone Beam Computed Tomography) technology. Now QR is introducing the family of NewTom 3G an evolution of the 9000 technology. It resumes all the knowledge, experience and state of the art technologies in the field of volumetric radiology imaging.



The traditional NewTom structure (gantry and patient's table) represents the best ergonomical way to perform the examination. The patient, lying comfortably on the table, is in the most effective position to execute the scan. The scan time and the radiation dose have been extremely reduced.

NewTom 3G offers the possibility to choose different fields of view (FOV). This will allow to have images with different resolution and therefore to fully cover the needs of the Periodontist, Implantologist, Orthodontist, Prosthodontist, Endodontist, as well as Oral and Maxillofacial surgery and ENT specialist.

FOV 6 inches



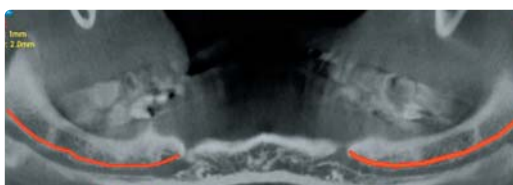
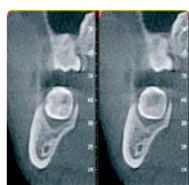
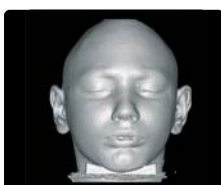
FOV 9 inches



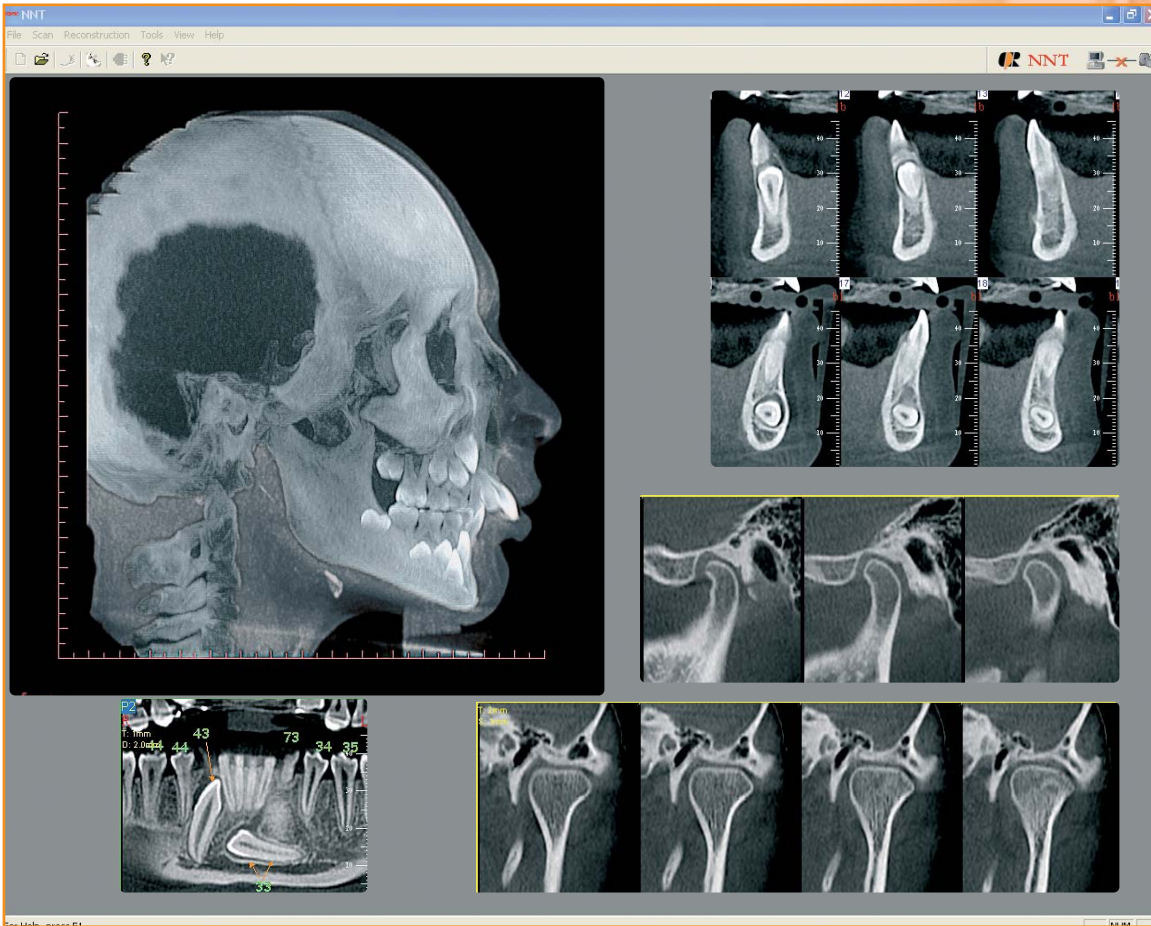
FOV 12 inches



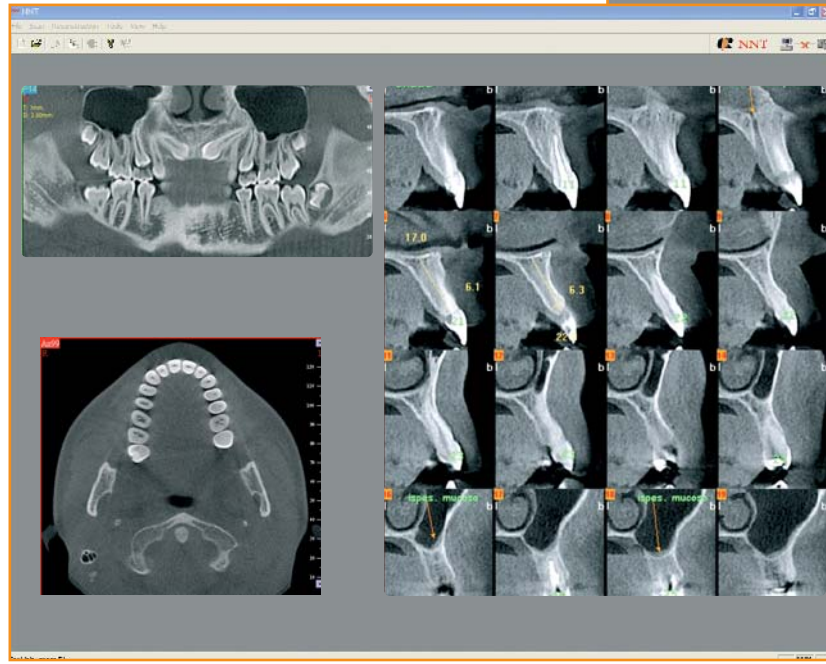
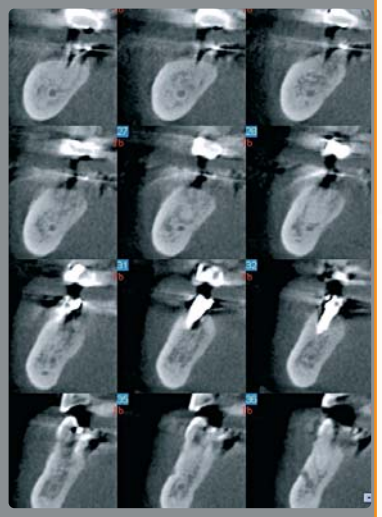
Images are produced in very high quality with different format and resolution. The software is custom build and it is very user friendly. It allows to analyse the patient data volume in any 2D and 3D views. The data set can be exported into a standard DICOM 3.0 format, this will allow to use the NewTom data with many of the third party software that are available in the market today. All this is setting a standard for the NewTom 3G as an outstanding state of the art device in the field of volumetric dental and maxillofacial radiology.



NewTom3G con tecnologia ConeBeam
enlarging your opportunities



NewTom 3G



SPECIFICATIONS

TOMOGRAPH	Gantry and patient's table
TECHNOLOGY	CBCT Cone Beam Computed Tomography
SCAN TIME	36s
PATIENT'S ESPOSURE TIME TO X-RAY	5.4s (typical)
ACQUIRED ANATOMICAL VOLUME (spherical)	Diameter 20 cm (FOV 12"); 15 cm (FOV 9"); 10 cm (FOV 6")
DETECTOR	1000*1000 pixels
POSITIONING	Double laser and software
FOOTPRINT	200 x 250 cm
TOTAL WEIGHT	480 Kg /1058 Pounds
ABSORBED POWER	230V~ (± 10%) 50/60 Hz (± 1%) 4A max

X-RAY GENERATOR UNIT

kV-MAX	110
mA-MAX	15
DOSE REDUCTION DEVICE	SMART-BEAM ¹
SAFETY DEVICE	SECUR SCAN ²

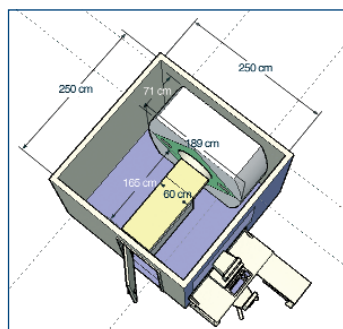
COMPUTER

HARDWARE	Mono or Dual Processor, RAM 2GB, HD 250GB (minimum), DVD writer
OPERATIVE SYSTEM	Windows XP
ANALYSIS SOFTWARE	NewTom 3G Expert

IMAGE STORAGE

PRINTER (OPTIONAL), CD, DVD,
LOCAL NETWORK, DICOM 3.0...

Specifications are subjected to change
without prior notice.



Windows® is a trademark of Microsoft corp.
NewTom is manufactured by QR srl – Certified ISO 9001 and ISO 13485

¹ Automatically selects the proper radiological parameters depending on the patient's head size.

² Interrupts radiation dependent on detector data.



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ISO 9001:2000 ISO 13485:2003

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