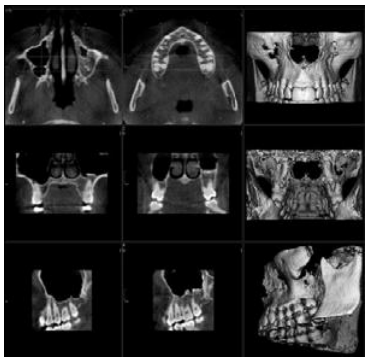
NewTomdental

NewTomVG

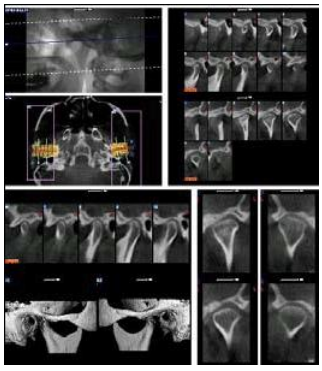
THE LEADING CONE BEAM COMPUTERIZED TOMOGRAPH (CBCT) TECHNOLOGY IS NOW AVAILABLE FOR THE SPACE RESTRICTED DENTAL PRACTICE



AFP Imaging Corp has appointed NewTom Dental as exclusive distributor of the **NewTom3G** Cone Beam Computerized Tomograph (CBCT) 3D volumetric scanner.

AFP is announcing the release of its new, highly anticipated vertical unit. This next generation dental CBCT scanner is the **NewTomVG**–(Vertical Generation), featuring a compact, office-friendly design. It is designed to be easily accommodated in a limited space, like a traditional Pan/Ceph, as is common in today's dental practice.

The **NewTomVG** features open patient access –either standing, seated or wheelchair positioning. Its industry leading companion, the horizontally configured, 12" Field of View (FOV) NewTom3G, continues to be marketed with the focus on radiographic imaging centers and orthodontic applications. The **NewTomVG** dental CBCT utilizes a state-of-the-art large area flat-panel x-ray image detector (200mm x 250mm) offering high spatial resolution (up to 1500 x 2000 pixels) and wide signal dynamics (14 bit). **NewTomVG** (version R) features a rotating-anode x-ray generator with small focal spot (0.3 mm), which makes it possible to fully exploit the spatial resolution performances of the large flat panel image detector.



In spite of a size and footprint comparable to conventional dental panoramic machines, the NewTomVG easily accommodates large-size patients, thanks to the ergonomic design of its rotating arm (gantry diameter 30"/76cm). The NewTomVG also offers x-ray exams on large (6.3" x 6.3" /160mm x 160mm) anatomical volumes with a 9" FOV.

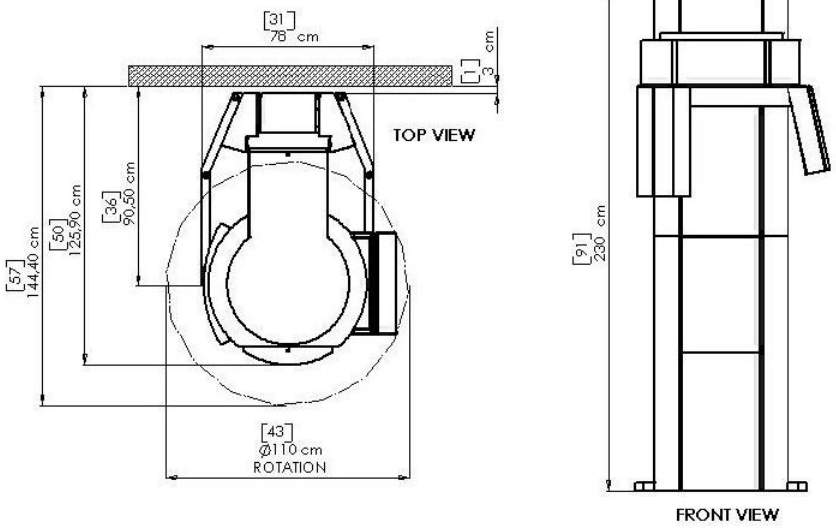
As a result of the NewTomVG's wide FOV, reconstructed images that encompass the entire maxillofacial district, including dental arches and Temporomandibular Joints can be obtained in a single scan.

The software used with NewTomVG has been designed to simplify the radiographic exam and the subsequent reconstruction of all types of images commonly used in, or appropriate for, the dental practice: panoramic, LL and AP, transversal slices, axial, 3D. The NewTomVG can also be (optionally) equipped with the same leading edge application software famous in NewTom3G, encompassing advanced clinical reporting aids, now available for the private practitioner.

NewTomVG Specifications

X-ray Source	High Frequency inverter, rotating anode, constant potential (DC): 110 kV; 1-15 mA (pulsed mode).
Focal Spot	0.3 (IEC 336)
X-Ray Cone Beam	Proprietary Safe Beam control reduces radiation based on patient size.
Effective Patient Dose	50 µSv (estimated, typical)
Image Detector	Amorphous Silicon Flat Panel, 200 x 250 mm
Signal Gray Scale	14 bit
Voxel	0.32 or 0.16 mm side, cubic
Image Acquisition	360 Images - 360 degree rotation
Scan Time	Approximately 24s standard
Patient Position	Standing or seated, facing the wall (wheelchair accessible)
Scan Dimensions	16 cm (diameter) x 14 cm (height)
Total Primary Reconstruction time	Approximately 3 minutes
Secondary Reconstruction	In real time
Weight	550 lbs. (250 kg)
Power Required	10A @ 100/115V~ , 5A @ 200/215/230/240V~, 50/60Hz

Dimensions / footprint



The manufacturer reserves the right to change specifications at any time, in order to improve product performances.
January 2007