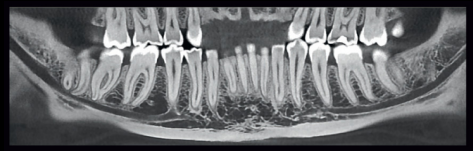
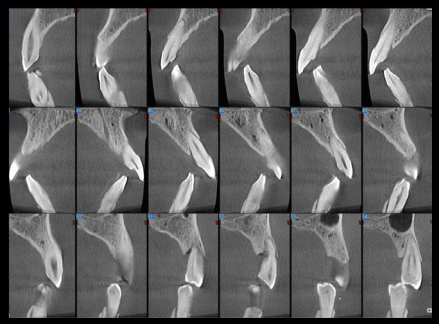
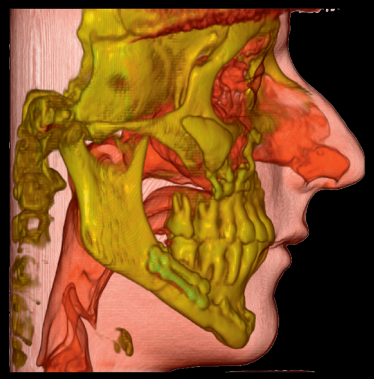
- ☐ Less Than 4 Seconds Of Total Exposure
- ☐ Medical-Grade Imaging Components
- ☐ Open-Environment For Patient Comfort
- ☐ Large Reconstructed Volume
- ☐ 7 Selectable FOV
- ☐ Wheelchair Accessible

VGi





full vertical panel



NewTom VGi takes a complete 360 degree scan that captures an image at every degree. Many other manufacturers stop at 270 or 300 degrees which leads to significant scatter and artifacts in the scan. With NewTom, the greater number of exposures results in more information and less hypothesizing about actual anatomy.

Focal Spot is a key factor in determining image resolution and quality of the X-ray image. As the focal spot decreases in size, resolution and the ability to detect detail improve.

Ideally, the focal spot would have a diameter close to zero.

Because of its Medical-Grade Rotating Anode, NewTom VGi has one of the smallest focal spots available.

For even more precise measurements and treatment planning, the new HiRes Zoom feature produces 50% higher image resolution, 50% reduced slice thickness.

The NewTom VGi also features cross-hair lasers and a mirror – powerful tools for exact horizontal and vertical positioning.

NewTom

Cone Beam 3D Imaging

NewTom VGi Specifications

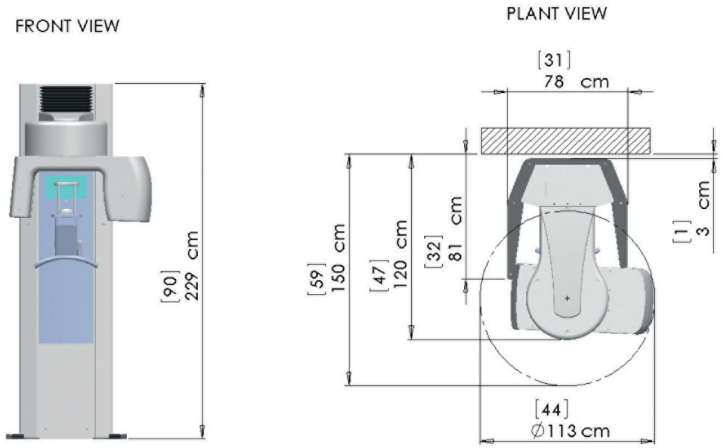
The Professional's Choice Cone Beam CT

X-ray Source	High frequency, constant potential (DC), rotating anode: 110 kV; 1-20 mA (pulsed mode)					
Focal Spot	0.3 minimum (IEC 60336)					
X-Ray Cone Beam	Proprietary SafeBeam™ control reduces radiation based on patient size.					
Effective Dose	100 µSv HiRes Scan, 49 µSv Standard Res Full FOV (ICRP 2007, estimate for adult)					
X-ray Emission Time	3.6s in standard mode					
Image Acquisition	360 Images - 360 degree rotation					
Image Detector	Amorphous silicon flat panel, 20 cm x 25 cm (Field of View)					
Signal Grey Scale	14-bit					
Scan Time	18s/26s					
Multiple Scan Modes	FOV Sizes (cm)		Voxel Size Options (µm)			
	Diameter	Height				
Standard Scan - Boosted Scan	15	15	300	250	200	150
	15	12	300	250	200	150
	12	8	300	250	200	150
	8	8	300	125	200	150
HiRes Scan	12	8	150	125	100	75
	8	8	150	125	100	75
	6	6	150	125	100	75
Patient Position	Standing or seated and wheelchair accessible					
Reconstruction Time	Approximately 1 minute					
Weight	Scanner unit: 600 lb (272 kg), Control box: 220 lb (100 kg)					
Software	NNT™ with free viewer and sharing application					
Power Required	10A @ 100/115V~, 5A @ 200/215/230/240V~, 50/60Hz					

Specifications subject to change without prior notice.

NewTom VG*i* is the commercial name for a special configuration of the medical device model NewTom VG.

- ☐ **Free Viewer and Sharing Application**
- ☐ **DICOM Conformant**
- ☐ **Improved Software Integration**
- ☐ **Small Footprint**



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ImageWorks
250 Clearbrook Road, Suite 240
Elmsford, NY 10523 USA
914.592.6100
800.592.6666
www.ImageWorksCorporation.com

Manufactured by QR srl
Via Silvestrini 20
37135 Verona
+39 045 8202727
+39 045 583500
www.qrverona.it

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