




# Focus on Radiography

Air Techniques Inc  
(800) 247-8324  
airtechniques.com

Carestream Dental  
(800) 944-6365  
carestreamdental.com

Image Works  
(800) 592-6666  
ImageWorksCorporation.com




Product Name		ScanX: PSP Scanner	CS 9300C	NewTom VGi
				
2D or 3D?		2D	3D	3D
Cost		\$21,995	Contact company	Contact company
Footprint		24" H x 15" W x 15" inches D	62.75" deep x 84.65" wide x 93.75" tall	Actual 32" x 31"; clearance 59" x 44"
Patient position		PSP Scanner	Seated, standing, wheelchair accessible	Seated, standing, wheelchair accessible
Field of view		N/A	5 cm x 5 cm to 17 cm x 13.5 cm	Multiple FOVs available in one machine
Voxel size		N/A	0.09 to 0.5 mm isotropic voxels	Dependent on FOV
Image quality		22 lp/mm or 1100 DPI	90 to 500 micrometers, depending on field of view desired	Image taken at every degree of rotation. 360° rotation = 360 images
Scan technology	CBCT		✓	✓
	Horizontal slicing			✓
	One-shot	✓	✓	
	Panoramic	✓	✓	✓
	Vertical slicing			
Cephalometric		✓		
Pan and ceph scan times		PSP Scan 25 to 32 seconds	Pano 4 to 16 seconds; ceph images within a second	Pan 18 seconds; ceph 26 seconds
Radiation dose per image		N/A	Based on field of view desired and scan time selected	HiRes Scan 100 μSv; Standard Res Full FOV 49 μSv (ICRP 2007, estimate for adult)
Reconstruction time		N/A	Less than 2 minutes based using the recommended computer configuration	Approximately 1 minute
Integrates with what software?		Visit Web site for a full list	Imaging acquisition software bridges with all common DPMS	Dolphin, Anatomage, Materialise, NobelGuide, Implant3D, VIP Virtual Implant Software, CAD Implant, Implant Master, coDiagnostiX, Amira Maxilim, BioDental, Viewbox, 3dMD, Medtronic Navigation, 3D Shape, Di3D, Dimensional Imaging, and more
Does it do ceph superimposition?		No	Yes	Yes
Types of service	User can do service	✓		✓
	On-site dealer support	✓	✓	✓
	Phone support	✓	✓	✓
	Troubleshooting codes	✓	✓	✓
	Web-based support	✓	✓	✓

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Imaging Sciences  
International  
(800) 205-3570  
i-CAT.com

J. Morita USA  
(877) 566-7482  
morita.com/usa

Panoramic Corp  
(800) 654-2027  
pancorp.com

Product Name		i-CAT	Veraviewepocs 2D/3D	Encompass
				
2D or 3D?		3D	3D	3D
Cost		Starting at \$125,999	\$75,800 (2D Pan/Ceph Model); \$218,000 (3D 40 Pan/Ceph Model)	N/A
Footprint		Operating footprint (includes gantry swing): 48" x 53"	W 78¾" x D 52¾" x H 92¾" (with ceph)	55" x 77"
Patient position		Seated, wheelchair accessible	Standing, wheelchair accessible	Standing, wheelchair accessible
Field of view		2 to 17 cm height x 8 cm or 16 cm or 23 cm diameter	Cephalometric: LA - 8.9" x 10"; PA - 8.9" x 8.0"; 3D - Ø 1.6" x H 1.6"; Ø1.6" x H 3.1"; Ø 3.1" x H 3.1"	Panoramic 6" x 12", cephalometric 8" x 10", TMJ 6" x 12"
Voxel size		.125 mm, .2 mm, .25 mm, .3 mm, .4 mm	.125 mm	N/A
Image quality		127 micron pixel size	125-micrometer voxel	N/A
Scan technology	CBCT	✓	✓	
	Horizontal slicing	✓	✓	
	One-shot			
	Panoramic	✓	✓	✓
	Vertical slicing	✓		
	Cephalometric			✓
Pan and ceph scan times		Pan scan time 8.9 seconds; ceph scan time from 4.8 seconds	High-speed pan 7.4 seconds; 3D 9.4 seconds	Pan 14 seconds; ceph 10 seconds
Radiation dose per image		High Definition Quick Scan = 27 µSv; Single Arch = 21 µSv; Both Arches + TM Joints = 45 µSv; see Web site for full listing of scan settings	15 µSv for 1.6" x 1.6" FOV high-res scan. Measured ICRP 103 (2007) protocol	N/A
Reconstruction time		Less than 30 seconds	30 to 60 seconds	Instant
Integrates with what software?		InVivo, Dolphin imaging, Suresmile, E4D Compass, OMSVision/PerioVision/EndoVision, Eaglesoft via DEXIS software link, Dentrix via DEXIS software link, Practiceworks via DEXIS software link	Supports DICOM standard 3.0. Validated software includes: Anatomage, Dolphin, Materialise Dental, OnDemand3D, TDO	All major practice-management and imaging brands
Does it do ceph superimposition?		Yes with optional 3D ceph analysis tool	Yes, with additional software	N/A
Types of service	User can do service			
	On-site dealer support	✓	✓	✓
	Phone support	✓	✓	✓
	Troubleshooting codes	✓	✓	
	Web-based support	✓	✓	✓





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Planmeca USA  
(630) 529-2300  
planmecausa.com

Schick Technologies  
(877) 724-4254  
schicktech.com

Suni Medical Imaging  
(800) 438-7864  
suni.com

Vatech America Inc  
(888) 396-6872  
vatechamerica.com

Product Name		PLANMECA Mid	CDR Elite	Suni 3D Pan/Ceph/ConeBeam	PaX-Reve3D
					
<b>2D or 3D?</b>		2D and 3D	3D	3D	3D
<b>Cost</b>		Contact company	Contact company	Pan \$39,900; Ceph \$67,500; Cone Beam \$99,950	Contact company
<b>Footprint</b>		41.7" x 53.8"; 81.2" x 53.8" w/ceph arm	N/A	39.4" x 44.5"	80.88" W x 61.8" D x 91.32" H
<b>Patient position</b>		Seated, standing, wheelchair accessible	N/A	Seated, standing, wheelchair accessible	Standing, wheelchair accessible
<b>Field of view</b>		4 x 5 cm, 4 x 7 cm, 16 x 5 cm, 7 x 8 cm, 7 x 7 cm, 16 x 9 cm, 9 x 5 cm, 9 x 9 cm, 16 x 16 cm	N/A	5 x 5 cm or 8 x 5 cm	5 x 5 cm to 15 x 15 cm
<b>Voxel size</b>		0.1 mm <sup>3</sup> , 0.2 mm <sup>3</sup> , 0.4 mm <sup>3</sup>	N/A	.08 mm, 1.2 mm, 2.0 mm	.08 mm
<b>Image quality</b>		N/A	N/A	Pano 10.42 / Ceph 3.93 / ConeBeam 1.2 or 2.0 lp/mm	N/A
<b>Scan technology</b>	CBCT	✓		✓	✓
	Horizontal slicing				✓
	One-shot		✓	✓	✓
	Panoramic	✓		✓	✓
	Vertical slicing				✓
	Cephalometric	✓			
<b>Pan and ceph scan times</b>		Pan 16 seconds; ceph 18 seconds	N/A	Pan 13 seconds; ceph 0.9 seconds	Pan 3 seconds; ceph 0.9 seconds
<b>Radiation dose per image</b>		N/A	Patient-dependent	25 to 60 μSv	N/A
<b>Reconstruction time</b>		30 seconds to 3 min	N/A	Less than 1 minute	Less than 1 minute
<b>Integrates with what software?</b>		Dolphin	CDR DICOM, Patterson Imaging, Eaglesoft with integration with more than 25 practice-management software programs	The majority of leading software programs	DICOM compliant
<b>Does it do ceph superimposition?</b>		No	No	No	Yes
<b>Types of service</b>	User can do service		✓		✓
	On-site dealer support	✓	✓	✓	✓
	Phone support		✓	✓	✓
	Troubleshooting codes	✓		✓	
	Web-based support		✓	✓	✓