VistaPano S and VistaPano S Ceph – an all around perfect picture
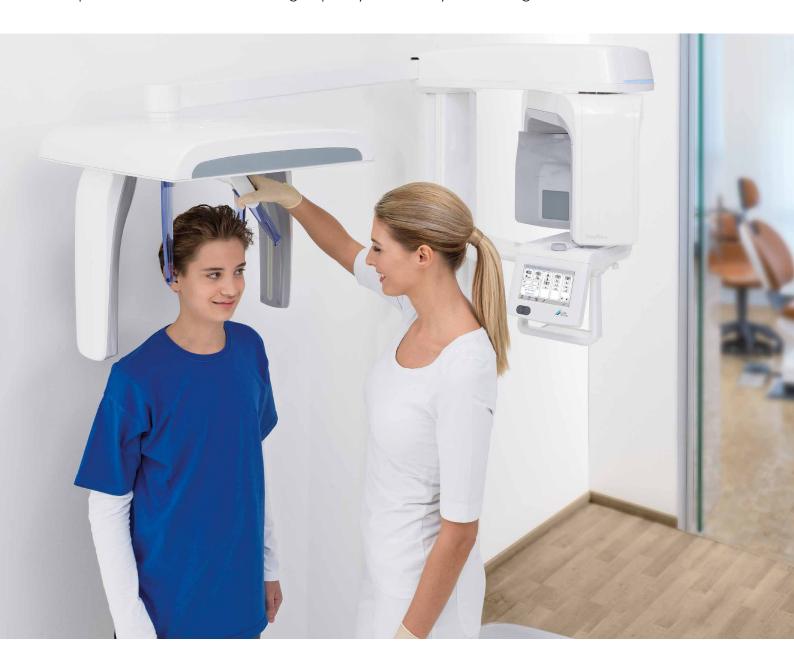
The perfect combination of image quality, efficiency and design

DÜRR DENTAL

THE BEST. BY DESIGN

Dürr Dental – systematic digital imaging

VistaSystem: extraoral and intraoral X-rays from a single source

For over 50 years, dentists, clinics and X-ray centres around the world have been using innovative products from Dürr Dental, thereby benefiting from our expertise in radiography. At the same time, they profit from our long experience with digital panoramic images and the development of digital imaging software with filters which support diagnosis.

With its VistaSystem, Dürr Dental is setting standards in the definition of extra and intraoral images. The combination of the extraoral VistaPano S panorama X-ray unit with the VistaIntra intraoral X-ray device along with an image plate scanner from the VistaScan family equips you perfectly to meet every challenge. Their use also saves valuable time compared to conventional X-ray solutions. All images are archived with our intuitively operable imaging software and are then available at every workplace.

Not content with providing outstanding products with award-winning designs, Dürr Dental also offers comprehensive services for your customised X-raying solution. Let us know what your requirements are – we will be glad to advise.

VistaPano S

The digital panoramic X-ray device with S-Pan technology

With the VistaPano S, Dürr Dental has set new standards in the resolution of extraoral images. The 2-D panorama X-ray device is impressive with its simple handling and an integrated workflow, supported by an innovative 7" touch display.

The excellent imaging of the VistaPano S is produced by two innovative technologies. Firstly, state-of-the-art CsI sensor technology, producing an improved picture quality, thereby facilitating significantly improved diagnostics. Secondly, the S-Pan technology which uses the patient image to present an automatic razor-sharp panorama of every tooth and jaw position in every situation.

The quick scan mode allows the scan of a complete OPG image in a very short time – only 7 seconds – with an especially low X-ray dose.

Features:

- S-Pan technology for easier diagnostics
- CsI sensor for improved image quality and reduced radiation exposure
- A slim design with a small footprint
- Extremely fast: OPG images in 7 seconds
- 7" touch-display for intuitive handling
- Easy, face-to-face positioning, 3 positioning light lines

VistaPano S Ceph

Low X-ray doses – high efficiency

The new VistaPano S Ceph produces fast Cephalometric exposure of excellent quality with minimal radiation doses: all thanks to the extremely short scanning time of 4.1 seconds. This reduces the risk of motion fuzziness. A combination of low X-ray dose and short scanning time is especially advantageous with younger orthodontics patients.

The integration of two high-end CsI sensors - for the panoramic X-ray and Ceph functions – eliminates the time-consuming switching of the sensor, thereby reducing the risk of damage. All this makes VistaPano S Ceph the ideal X-ray solution for orthodontic surgery and maxillofacial surgery.

The VistaPano S Ceph also provides all the functions and advantages of the VistaPano S.

Features:

- A very fast scan time of 4.1 seconds (lat. head)
- Excellent image quality
- Low radiation dose
- The 2 integrated high-end CsI sensors mean no sensor change

VistaPano S – truly perfect imaging

High-speed scanning with low X-ray dose

All functions at a glance

The intuitive 7" Touch-Display visualises all the settings; quickly and in high resolution. The user-friendly handling and navigation produce an exceptionally smooth X-ray procedure. Simply select the X-ray program and the patient size to prevent handling errors, thereby ensuring an optimal workflow.

Always the right image size

With an image height of 150 mm, the VistaPano S displays both an extended diagnosable jaw area, whilst producing a high-quality image of the paranasal sinuses. Selection of the the child program significantly reduces radiation exposure through the use of a lower collimator and a shortened scanning time.

Panorama X-ray programs

With a total of 17 X-ray programs, you are well equipped for every diagnostic requirement. In addition to the standard panorama program, VistaPano S offers:

- Half-side recordings of right, left and front
- 4 child programs: a recording mode with smaller exposure area; a 45 – 56 % reduction in the dose without a concurrent loss of diagnostic information
- 5 programs for orthogonal X-ray images
- 2 programs for temporomandibular imaging (functional diagnosis)
- 2 programs for sinus X-ray images to display paranasal sinuses

S-Pan technology: High resolution images produce safe diagnosis

Conventional digital devices generate panoramic images along a prescribed contour following the jaw line of an 'average' person on the axial plane. They reproduce a layer like an unrolling piece of level paper placed along this contour. This usually involves a compromise.

S-Pan technology works entirely differently. The image sections are automatically selected from a range of parallel layers, which best correspond to the patient anatomy. These image parts are placed together to form a panoramic image, which focuses on patient anatomy, taking into account unusually-shaped dentition and individually-angled teeth. The result is an image of impressive clarity. The dentist is able to locate immediately all the structures of interest, without any further intervention. As the reconstruction is oriented to the actual position of the bite, incorrect positioning is balanced out to a certain extent. This saves time and repetition.

Fits in every dental practice

The streamlined, delicate design of the new VistaPano S Ceph permits a range of placements in your surgery rooms. Its design makes it an attractive eye-catcher in any location. Its dimensions of 1.0 x 2.3 x 1.5 m (W x D x H) requires the smallest of space.

Simple and efficient patient positioning

Three laser guide lines mark the exact orientation of Frankfurt horizontal plane, median sagittal plane, and film plane. The face-to-face positioning without a mirror allows direct visual contact between operator and patient, thus promoting the sense of well-being and hence the co-operation of the patient.

VistaPano S Ceph – exemplary ergonomics

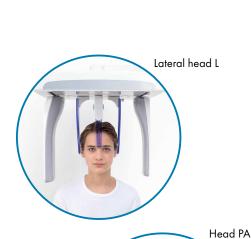## Quick Cephalometric exposure with a low X-ray dose

Short scanning time, low X-ray dose, excellent image quality

The short scanning time of only 4.1 seconds means that the patient is exposed to the lowest possible radiation dose. The modern high-sensitivity CsI sensors enable excellent image quality despite this low radiation dose.

Ceph X-ray programs

In addition to the 17 panoramic programs, further additions facilitate all cephalometric exposures:

- Lateral head L
- Head PA
- SMV (submentovertex)
- Waters View
- Hand

Lateral head L

Head PA

Optimum workflow

The VistaPano S Ceph is fitted with two high-end CsI sensors, obviating the need for complicated switching between panorama mode and the Ceph device. To start Ceph recording, all you need to do is to set the corresponding program mode.

SMV (submentovertex)

Waters View

Hand (Carpus)

and efficiency

For the safest diagnosis –
Dürr Dental imaging software

The intuitively-operable, network-capable imaging software from Dürr Dental optimises all images automatically; saves them; and makes them available at any workplace. The diagnosis-assisting digital filters enable enhanced contrast and high resolution image-processing, thus facilitating even greater detail in the diagnostic procedure. The software supports DICOM environments and the VDDS media interface. Connection to a third-party software is possible via VistaEasy, VistaConnect, ImageBridge or TWAIN.
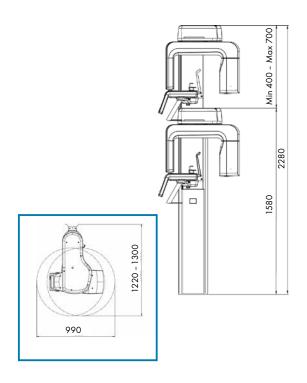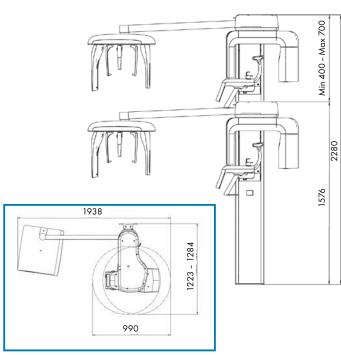

The Dürr Dental Imaging App gives you instant, easy access to your image data on an iPad.

Figures, data and facts at a glance

VistaPano S	
X-ray HV generator	
Voltage, current	50 – 99 kV, 4 – 16 mA
Tubes	
Focal point	0.5 mm (IEC60336)
Total filtration	2.8 mm Al eq.
Image detector	
Type	CsI sensor
Pixel size	100 µm
Active sensor surface	6 x 150.4 mm
Frame rate	300 fps
Scanning times	
Scanning times	From 2.5 to 13.5 secs.
Panorama programs	Adult Panoramic images
	In quick scan mode: 7 sec.
Magnification factor	
Magnification factor	1.3
Device dimensions	
Maximum height	2280 mm
Weight (without/with foot)	105/155 kg
Height adjustment range	700 mm
Width x depth x height	990 x 1,220 x 2,280 mm
Installation	Wall or foot mounting
Electrical connections	
Mains voltage	200 – 240 V AC
Frequency	50/60 Hz
Rated power	2.2 kVA

VistaPano S Ceph		
X-ray HV generator		
Voltage, current	50 – 99 kV, 4 – 16 mA	
Tubes		
Focal point	0.5 mm (IEC60336)	
Total filtration	2.8 mm Al eq.	
Image detector		
Type	CsI sensor	CsI sensor
Pixel size	100 µm	100 µm
Active sensor surface	6 x 150.4 mm	5.9 x 230.4 mm
Frame rate	300 fps	200 fps
Scanning times		
Scanning times	From 4.1 to 12.9 secs.	
Ceph programmes	Lateral head radiograph	
	In quick scan mode: 4.1 sec.	
Magnification factor		
Magnification factor	1.3	1.14
Device dimensions		
Maximum height	2,280 mm	
Weight (without/with foot)	129/179 kg	
Height adjustment range	700 mm	
Width x depth x height	1,940 x 1,220 x 2,280 mm	
Installation	Wall or foot mounting	
Electrical connections		
Mains voltage	200 – 240 V AC	
Frequency	50/60 Hz	
Rated power	2.2 kVA	

Want to know more?

VistaScan

VistaIntra

VistaPano

VistaVox

VistaCam

VistaRay

VistaSoft

Accessories

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