

# VistaPano S and VistaPano S Ceph – an all around perfect picture

The perfect combination of image quality, efficiency and design



COMPRESSED AIR

SUCTION

IMAGING

DENTAL CARE

HYGIENE

# Dürr Dental – experts in digital imaging

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



For almost five decades, dentists, clinics and X-ray centres have been using innovative products from Dürr Dental, relying on our expertise in X-ray imaging on a daily basis. You will benefit from both, our long experience with digital panoramic images and development of dental imaging software with filters for diagnosis support.

VistaSystem from Dürr Dental sets standards in sharpness and clarity for extraoral and intraoral images. By combining the panoramic X-ray unit VistaPano S with our intraoral X-ray unit VistaIntra DC and our image plate scanners of the VistaScan family you are perfectly equipped for every task. This also saves you valuable time compared to conventional X-ray. All images are archived in our intuitively operated imaging software and are available at every work station.

Dürr Dental does not only offer excellent products with award-winning design, but also extensive services for your individually adaptable X-ray solutions. Please talk to us about your requirements – we are happy to advise you.



# VistaPano S

The new digital panoramic X-ray unit with S-Pan technology



The VistaPano S from Dürr Dental sets a new standard in sharpness of extraoral imaging. The 2D panoramic X-ray unit is also appealing because of its ease of handling and well thought-out workflow which is supported by an innovative 7"

## This is what counts:

- S-Pan technology for simpler diagnosis
- CsI sensor for better image quality and reduced dose
- Slim design, small footprint
- Extremely fast: OPG image from 7 seconds on
- 7" touch display for intuitive handling
- Easy face-to-face positioning, 3 positioning lasers

touch display. The VistaPano S owes its excellent imaging performance to two innovative technologies. First the modern CsI sensor technology which enables better image quality and, hence, significantly better diagnosis. Second the S-Pan technology which considers the individual patients anatomy and several accordingly aligned layers to create a pin sharp panoramic image at any spatial position of the tooth and jaw.

The quick scan mode enables you to scan a complete OPG image of an adult in a very short time – 7 seconds only – with especially low dose.



# 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 settings quick and clearly. Handling and navigation are extremely user-friendly which leads to a smooth overall X-ray operational sequence. At the beginning, you simply select the X-ray program and the patients size – this prevents handling errors and ensures an optimal workflow.

## Always the right image size

With an image height of 150 mm, the VistaPano S displays an extended diagnosable jaw area and also the paranasal sinuses in high quality. If the child program is selected, the radiation exposure is significantly reduced due to the lower aperture as well as due to a shorter scanning time.

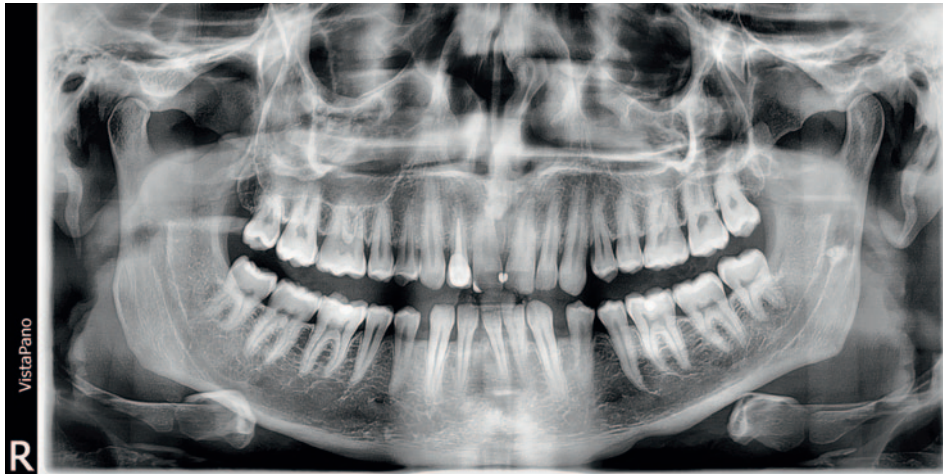
## Panorama X-ray programs

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

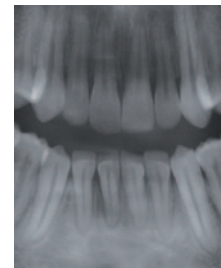
- Half-side recordings of right, left and front
- 4 child programs with smaller exposure area and lower X-ray parameters which reduces the dose by 45 – 56 % without loss of diagnostic information
- 5 programs for orthogonal X-ray images
- 2 programs for mandibular X-ray images (functional diagnosis)
- 2 programs for sinus X-ray images to display paranasal sinuses



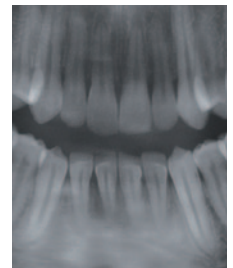
## S-Pan technology: Safe diagnosis due to extremely sharp images



X-ray image  
with S-Pan



X-ray image  
without S-Pan



Common digital X-ray units create panoramic images along a preset shape which follows the jaw arch of an 'average' human in the axial plane. This shows a layer whose position can be considered as the unfolding of a flat sheet of paper that is placed upright around this shape. This is almost always a compromise.

Our S-Pan technology is completely different. Here, the image areas that match best with the actual anatomy are automatically selected from a large number of parallel layers.

Together, they result in a panoramic image which represents the actual anatomy of the patient. Deviations from the 'average dentition' are also taken into account as well as individual inclinations of the teeth. No compromises are necessary. The result is an image of pin-point clarity. The dentist can easily identify the structures that are of interest for him. As the reconstruction is oriented to the actual position of the teeth, false positioning is 'evened out' to a certain extent. This saves time for the surgery and prevents the patient from taking additional X-ray images



### Fits into all surgeries

The slim, delicate design of the new VistaPano S offers many placement possibilities in your surgery rooms. Thanks to its elegant eye-catching design and compact style with dimensions of just 1.0 x 2.3 x 1.5 m (W x H x D).



### Easy and efficient patient positioning

The three positioning light lines mark the exact alignment of the Frankfort horizontal plane mid-sagittal plane and image layer plane. The face-to-face positioning without mirror enables a direct visual contact between therapist and patient, thus promoting the sense of well-being and hence the cooperation of the patient.

# VistaPano S Ceph

Low X-ray dose – high efficiency



Quick cephalometric X-ray images with excellent image quality are achieved with the new VistaPano S Ceph and with the lowest possible dose. The reason for this is the extreme short scanning time of the line sensor – 4.1 seconds only – which significantly reduces the risk of motion blur. For young patients undergoing orthodontic treatment, the combination of low X-ray dose and short scanning time presents a considerable advantage.

The two high-end CsI sensors - for panoramic X-ray and Ceph projection – already integrated in the unit eliminate the time-consuming switching of the sensor, and thus the risk of damage. All this makes VistaPano S Ceph the ideal X-ray solution for orthodontic surgery and maxillofacial surgery.

In addition, the VistaPano S Ceph offers you all functions and advantages of the VistaPano S.

## This is what counts:

- Very fast scan in 4.1 seconds (lat. head)
- Excellent image quality
- Low radiation dose
- No sensor change, 2 high-end CsI sensors are integrated

# VistaPano S Ceph – exemplary ergonomics

Quick cephalometric projections with low X-ray dose



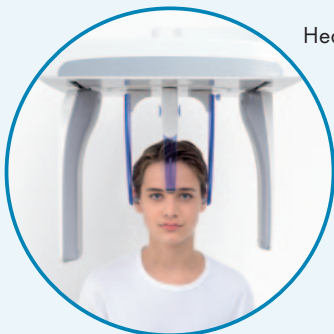
## Short scanning time, low X-ray dose, best image quality

Thanks to the very short scanning time of only 4.1 seconds, the patient is exposed to the lowest dose possible. Due to the modern high-sensitivity CsI sensors, an excellent image quality can be achieved despite the low dose.

## Ceph X-ray programs

Besides the 17 panoramic programs available, 5 new ones for all cephalometric X-ray recordings are now also included:

- Lateral head L
- PA head
- SMV (submentovertex)
- Waters view
- Hand



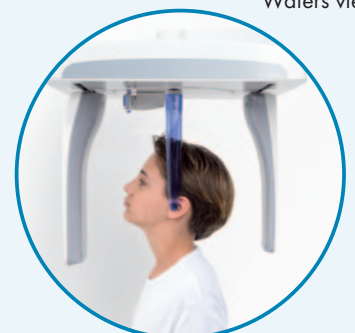
Head lateral L



PA head



SMV (submentovertex)



Waters view



## Optimum workflow

The VistaPano S Ceph comes with two high-end CsI sensors. This eliminates the tedious switching between the panoramic X-ray unit and the cephalometric arm. To start a cephalometric X-ray, you only need to set the program mode accordingly.



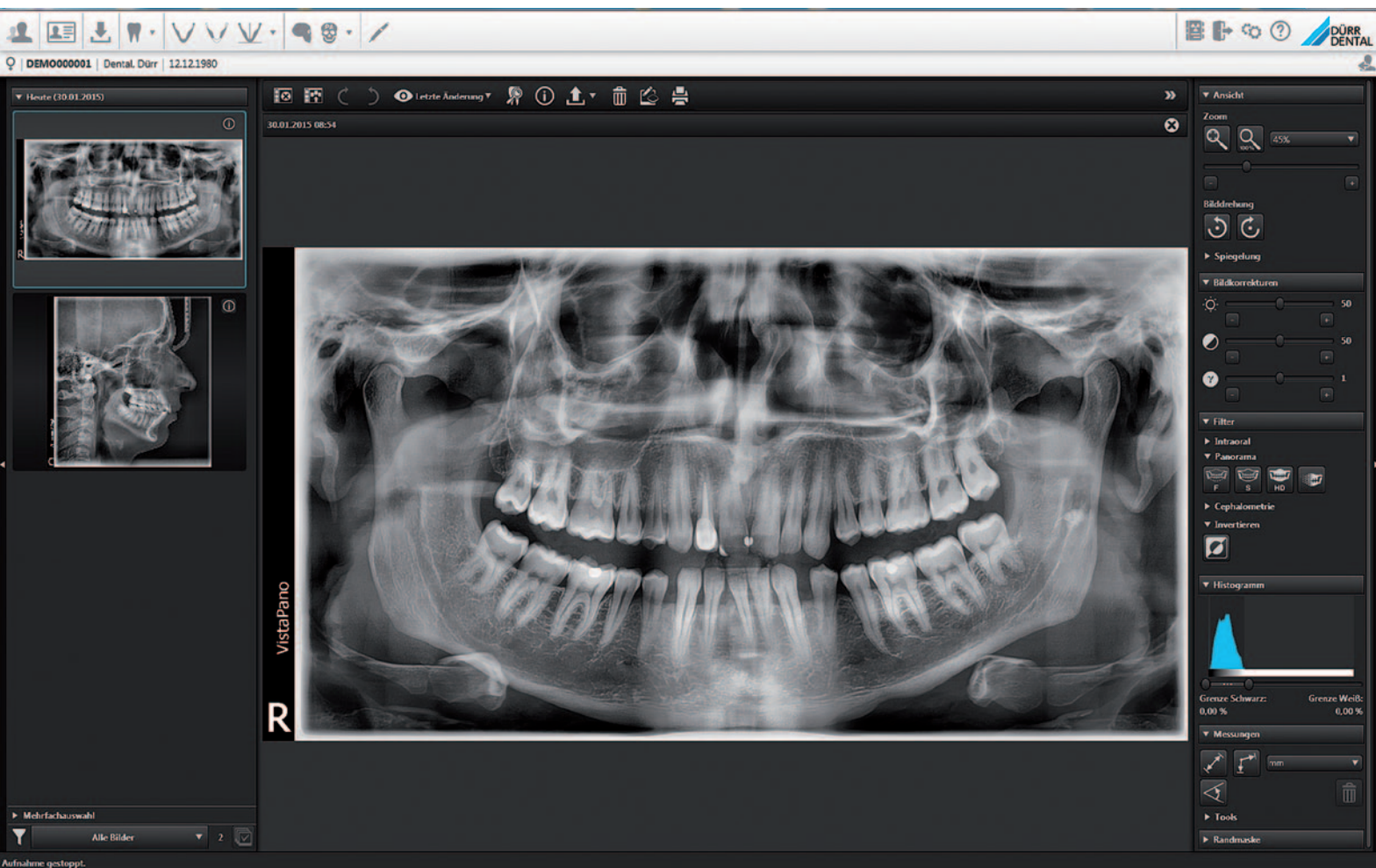
and efficiency



Hand (Carpus)



# For the safest diagnosis – Dürr Dental imaging software



The intuitively operating, network capable imaging software from Dürr Dental optimises all images automatically, saves them and makes them available at all work stations. With diagnostic-supporting digital filters, the contrast and sharpness of the X-ray images can also be edited to enable more detailed diagnoses. The software supports DICOM environments as well as the VDDS media interface. Connection to a third-party software is possible via VistaEasy, VistaConnect, ImageBridge or TWAIN.

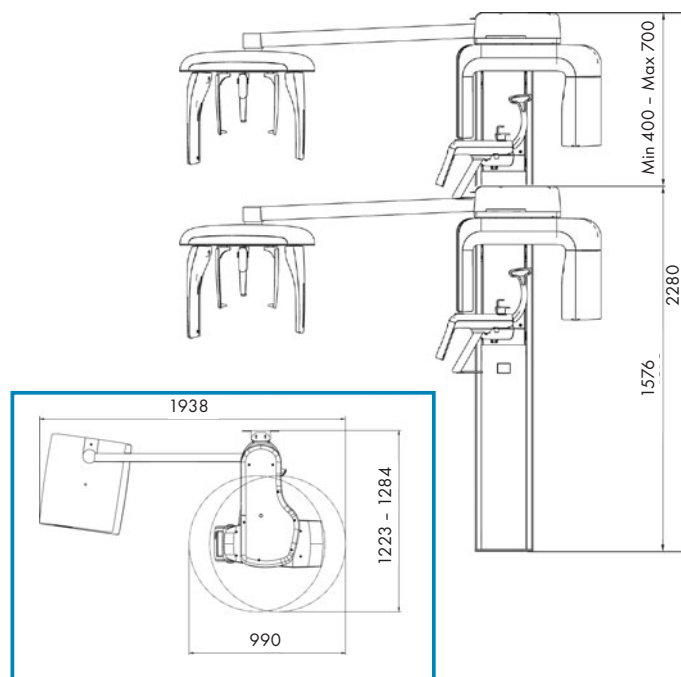
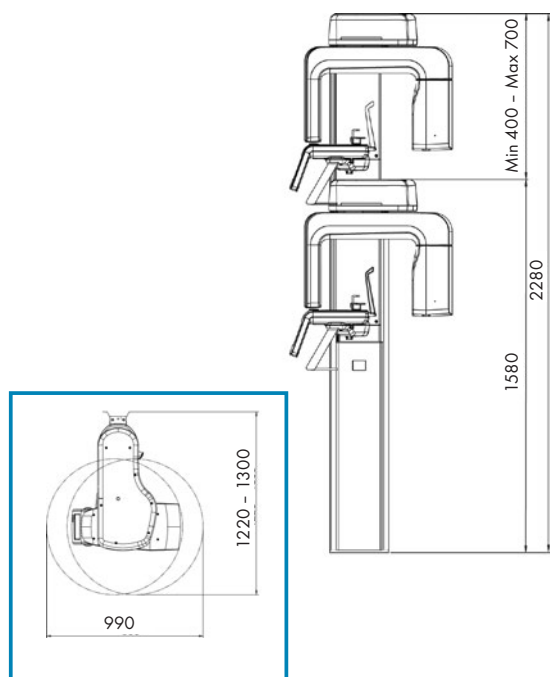


Your image data is also available on the iPad using the Dürr Dental imaging app.

# Figures, data and facts at a glance

VistaPano S	
<b>X-ray HV generator</b>	
Voltage, current	50 – 99 kV, 4 – 16 mA
<b>Tubes</b>	
Focal spot	0.5 mm (IEC60336)
Total filtration	2.8 mm Al eq.
<b>Image detector</b>	
Model	Csl sensor
Pixel size	100 µm
Active sensor size	6 x 150.4 mm
Frame rate	300 fps
<b>Scan times</b>	
Scan times	From 2.5 to 13.5 secs.
Panorama program scan times	Panoramic X-ray image of adults in quick scan mode: 7 sec.
<b>Magnification factor</b>	
Magnification factor	1.3
<b>Device dimensions</b>	
Maximum height	2280 mm
Weight (without/with foot)	105/155 kg
Height adjustment range	700 mm
Width x depth x height	990 x 1220 x 2280 mm
Installation	Wall mounting or foot
<b>Electrical connection</b>	
Mains voltage	200 – 240 VAC
Frequency	50/60 Hz
Rated power	2.2 kVA

VistaPano S Ceph	
<b>X-ray HV generator</b>	
Voltage, current	50 – 99 kV, 4 – 16 mA
<b>Tubes</b>	
Focal spot	0.5 mm (IEC60336)
Total filtration	2.8 mm Al eq.
<b>Image detector</b>	
Model	Csl sensor
Pixel size	100 µm
Active sensor size	5.9 x 230.4 mm
Frame rate	200 fps
<b>Scan times</b>	
Scan times	From 4.1 to 12.9 secs.
Scanning times Ceph program	Lateral head radiograph in quick scan mode: 4.1 sec.
<b>Magnification factor</b>	
Magnification factor	1.14
<b>Device dimensions</b>	
Maximum height	2280 mm
Weight (without/with foot)	129/179 kg
Height adjustment range	700 mm
Width x depth x height	1940 x 1220 x 2280 mm
Installation	Wall mounting or foot
<b>Electrical connection</b>	
Mains voltage	200 – 240 VAC
Frequency	50/60 Hz
Rated power	2.2 kVA



# The VistaSystem from Dürr Dental

Everything for safe diagnosis – from a single source



VistaScan Mini



VistaScan Combi



VistaIntra



VistaPano



VistaCam



VistaSoft



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