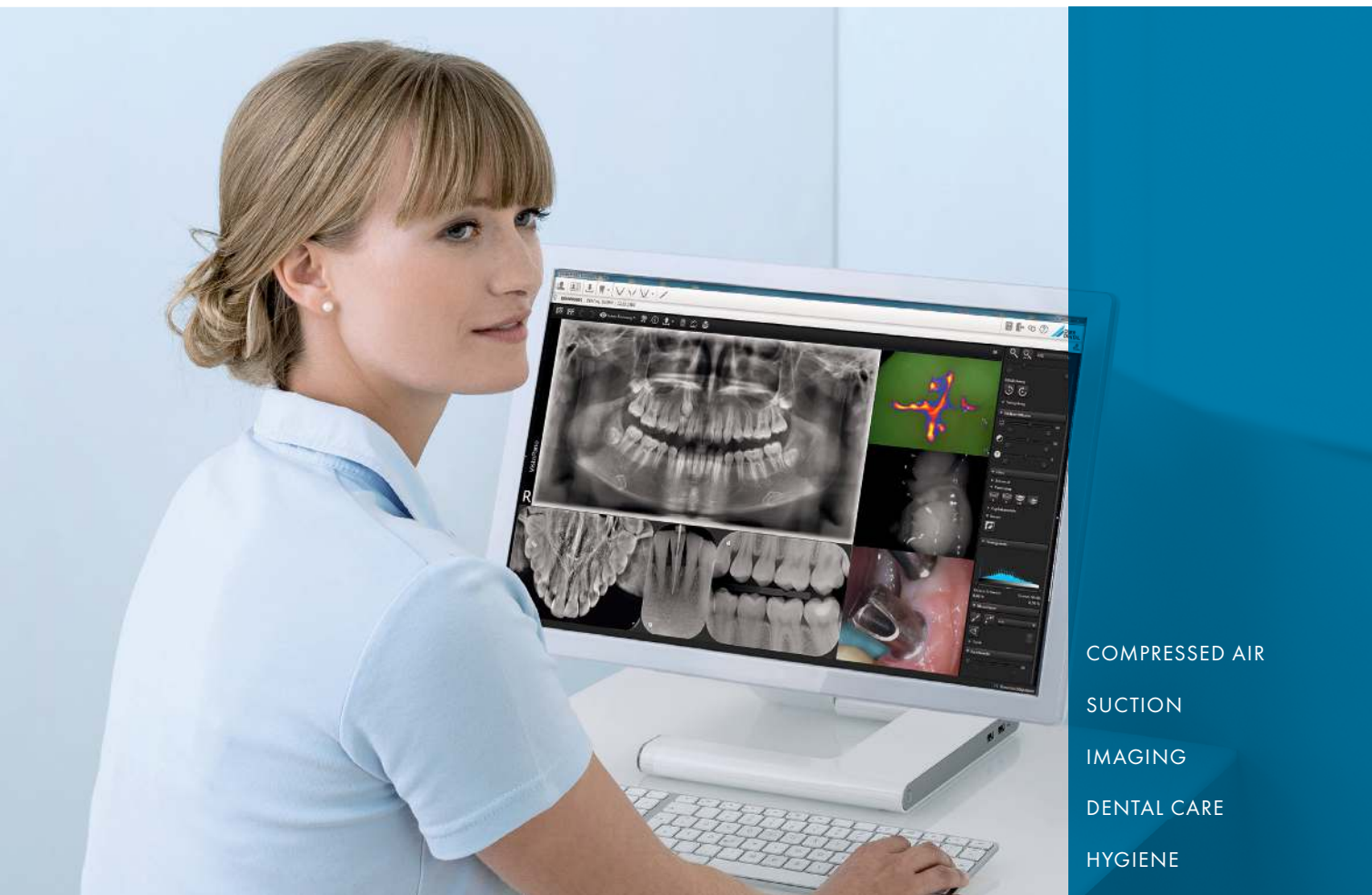# VistaSystem –
the full range for digital diagnosis

Everything for exceptional image quality - from a single source

COMPRESSED AIR

SUCTION

IMAGING

DENTAL CARE

HYGIENE

DÜRR
DENTAL

THE BEST, BY DESIGN
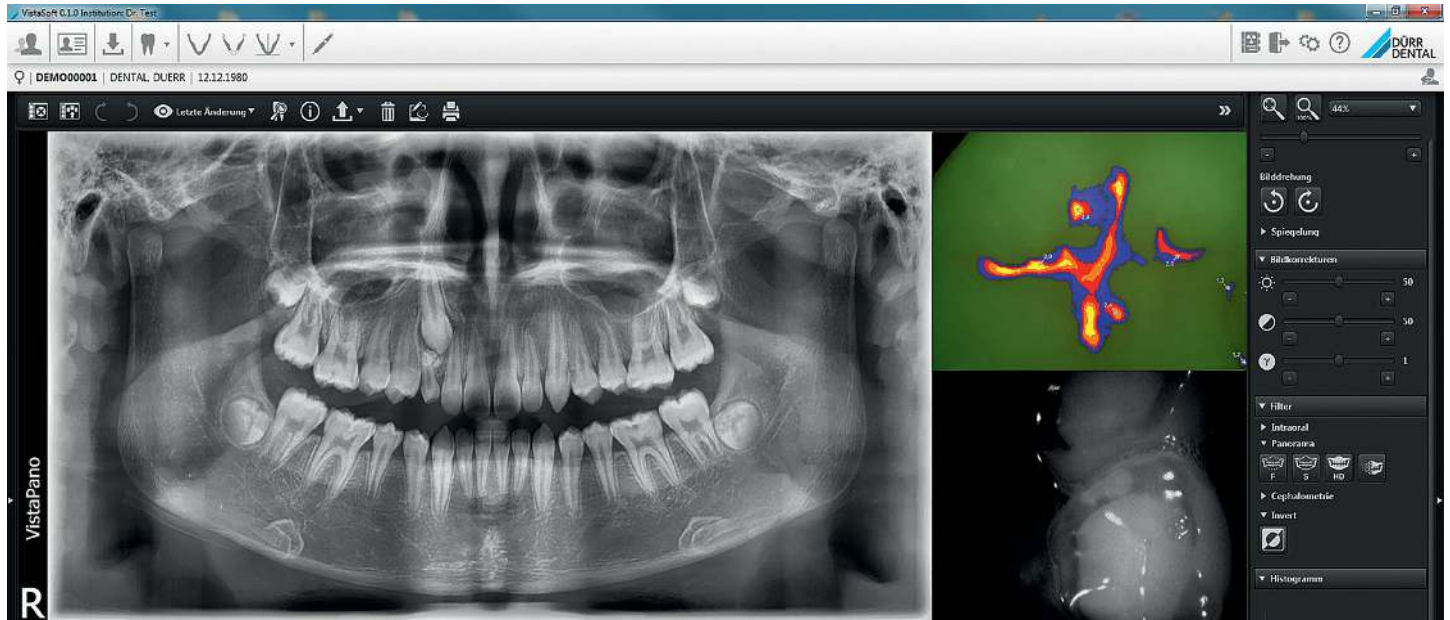
Dürr Dental – digital expertise for better diagnosis

For over 70 years dentists, clinics and X-ray centres around the world have been using innovative products from Dürr Dental and benefiting from our expertise in this area. Nowadays the VistaSystem, our complete program for digital diagnosis, is synonymous for outstanding image quality from a single source.

X-ray devices, image-plate scanners and intraoral camera systems from Dürr Dental ensure the best diagnosis options thanks to unrivalled image sharpness, maximum comfort and high efficiency. By combining these devices you will be equipped for all tasks and also save valuable time in comparison to using conventional X-rays. Furthermore, our powerful imaging software perfectly connects up all components of our VistaSystem.

Yet Dürr Dental does not just offer you outstanding products with award-winning design, but also comprehensive services for your customised X-ray solution. Let us know what your requirements are; we will be glad to advise.

Imaging software VistaSoft

Optimal diagnosis support due to the intuitive workflows

The new imaging software VistaSoft provides an efficient solution for the acquisition, presentation and processing of digital images. Use multiple processing tools and filter functions to support your diagnosis. – e.g. for endo, caries, perio, etc. VistaSoft is compatible with all current X-ray, scanner, sensor and camera systems from Dürr Dental and combines them into a powerful system solution. Due to the built in interfaces, it is possible to use 3rd party devices with VistaSoft, e.g. via TWAIN

With the Dürr Dental Imaging App, you also have instant, easy access to your image data on your iPad.

Modern and ergonomic design for high efficiency

The modern, ergonomic design of VistaSoft and its simple, quick and intuitive handling lead to a noticeably improved practice workflow. All main functions, are accessible with just one click. Images can be started with one click, pictures are opened with a click. Moreover the self-explaining icons ensure an intuitive operation, and the dark surface ensures the best visual diagnosis support.

This is what counts:

- Ergonomic design combined with simple, fast and well thought-out workflows for efficient handling
- Filter functions for diagnosis support – e.g. endo, caries, perio, etc.
- One click principle
- Time saving, thanks to modern storage approach without enquiries
- Intuitive in use.

Digital diagnosis in practice.
What satisfied dentists say

Dr. Trevor Morris, Australia

"We have used the Dürr VistaScan for our intraoral radiographs since 2005. This system provides the same flexibility and comfort as traditional radiography. Processing time flows well with our treatment protocols and the quality and durability of both the image plates and equipment has minimised ongoing costs. We have been very happy with the performance."

Dr. Heda Dengel, Germany

"VistaPano impressed me with its high image quality and speed." It delivers OPG images in just seven seconds, which clearly show front teeth roots, bone level, maxillary sinuses and even caries in molars. The clarity of the images generally enables me to dispense with a second image with intra-oral film – that means that the patient is exposed to much less radiation and my work is made much, much easier."

Dr. Amit Patel, United Kingdom

"I have had the VistaScan since 2012 and have had a Dürr Dental camera since 2009. The kit saves us a huge amount of both time and money and, I must admit, the conversion of our systems from film to digital radiology was very easy."

This is what counts:

- S-Pan technology for easier diagnosis
- CsI sensor for better image quality
  and reduced radiation
- Slim design, small footprint
- Extremely fast: OPG images in 7 seconds
- 7" touch-display for intuitive operation
- Easy, face-to-face positioning,
  3 positioning line lights
- Also available as VistaPano S Ceph

VistaPano S –
an all around perfect picture

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

Thanks to modern CsI sensor technology and the error-forgiving S-Pan technology, VistaPano S delivers persistently excellent image sharpness. Furthermore, in Quick-scan mode the device enables complete OPG imaging in just seven seconds – and at especially low dose.

Easy and efficient patient positioning.

Image in panorama standard mode.

Also with Ceph module

The new VistaPano S Ceph provides an efficient X-ray solution for orthodontics and more. In addition to 2D-panorama images it quickly creates ceph images (4.1 sec.) with outstanding image quality and low dose.

Cephalometric projection (head lateral)

VistaIntra DC – perfect in function and design

Ergonomic X-ray source for intraoral images

This is what counts:

- Modern, sleek design for simple, precise positioning
- Handle for easy and ergonomic positioning
- Superior quality thanks to 0.4 mm focal spot and consistent radiation emission
- Suitable for all image receptors thanks to adjustable mA and kV values
- Simple handling
- DAP (dose area product display) after exposure
- Available in 3 lengths

DC technology for minimised radiation dosage

VistaIntra's modern DC technology facilitates high repeat accuracy of radiation dose and thus high image quality. It also reduces the patient dose by more than 25 % in comparison to conventional AC generators, ensuring greater safety for your patients and employees.

Simple positioning and precise focusing thanks to the ergonomic handle.

Fast, high-quality image results

The VistaIntra DC leaves the factory preprogrammed to the exact radiation dose for every tooth area required for Dürr Dental image plates and sensors. It is ready for immediate use and delivers shots with perfect dose. The VistaIntra DC is suited to all image receptors.

Ease of use, very ergonomic

Thanks to the handle on the generator head, VistaIntra DC can be comfortably and precisely positioned. Selecting the tooth area is also easily done. When needed, X-ray parameters can be finely tuned, and quickly switching between two different radiation settings, such as image plate and sensor, is also possible. Obvious and comprehensible icons on the display also improve the workflow and reduce the risk of errors.
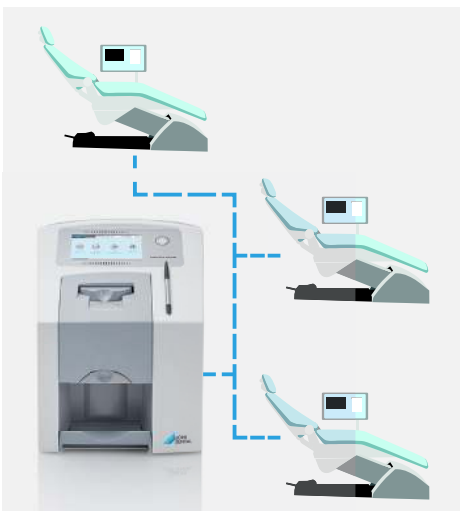
VistaScan Mini View and VistaScan Combi View – the image plate solution.

VistaScan Mini View – compact for high flexibility

The VistaScan Mini View enables effective digitisation of image plates thanks to features such as its large touch display with a convenient user interface. Its compact size and integrated WiFi functions make it uniquely versatile.

Stand-alone system enables working without PC.

The ScanManager facilitates efficient workflow for multi room dental practices.
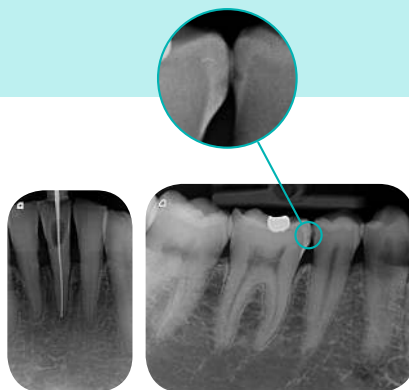
VistaScan Combi View – versatility for all formats

The versatile VistaScan Combi View improves your workflow: up to four image plates can be read simultaneously in intraoral mode. It also digitises your whole dental practice with just one single device, whether you require intraoral or extraoral images, and always delivers optimum image quality for reliable diagnosis.

This is what counts:

- High image quality thanks to effective resolution up to 22 LP/mm
- High-resolution touch-display for ease of handling and optimum image preview
- Read-out and erasing of image plate in one step
- ScanManager for optimum workflow in multi room surgeries
- For all intraoral formats
- Reliable thanks to internal memory
- Flexible PC connection via LAN or WiFi
- Including optional stand alone mode

Also suited to extraoral formats.

Caries-D1 lesions and endo instruments up to ISO 06 are reliably shown, thanks to PCS technology.

Occlusal film size and extraoral formats can also be processed with VistaScan.

Market-leading image plate technology.
Made in Germany

Quickly and comfortably from film to image plate

Dürr Dental image plate technology ensures an extremely easy changeover from X-ray film to a digital workflow. The thin, flexible and reusable image plate is easier to position, pleasant in the mouth, and immediately available again after scanning. The image is displayed on the monitor within a few seconds.

More details – more reliable diagnoses

Dürr Dental image-plate scanners make more details visible than X-ray film and other image-plate systems, thus enabling more reliable diagnoses.

Better results – less effort

A comparative study by the School of Dentistry at Cardiff University Wales demonstrated that the image quality taken by image plates is significantly better than the quality when using sensors. What's more, x-ray images taken with sensors often need to be repeated.

Source: a comparative study of image quality and radiation exposure for dental radiographs produced using a charge-coupled device and a phosphor plate system. School of Dentistry, Cardiff University, 2009.

Image plates better than sensors!

VistaCam iX HD – the innovative multi-head camera

For perfect diagnosis support in real HD image quality

The outstanding HD resolution of the VistaCam iX HD sets new standards for patient communication, caries diagnosis and documentation. The camera delivers , thanks to autofocus, images of the highest clarity and sharpness. The slim head also enables easy access to molars.

Combined with the intelligent interchangeable head mechanism, it reliably supports the camera system in diagnosis and early detection of caries, as well as in plaque visualisation. At the same time, it makes your treatment recommendations easier for patients to understand.
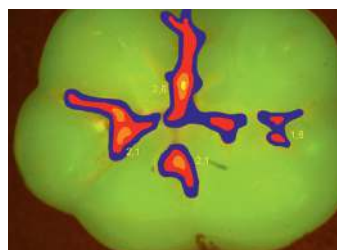
This is what counts:

- Brilliant HD quality for images and videos
- Autofocus for intraoral, extraoral and macro images
- Software evaluation to detect caries lesions and display plaque using the fluorescence effect (Proof interchangeable head)
- Diagnosis support for approximal caries, thanks to infra-red technology without exposure to radiation (Proxi interchangeable head)

Macro-image
(Interchangeable Cam head)

Extraoral image
(Interchangeable Cam head)

Proof image
(Interchangeable Proof head)

Proxi image
(Interchangeable Proxi head)

Intelligent interchangeable head mechanism

- Cam interchangeable head: for intraoral, extraoral and macro images
- Proof interchangeable head: reliable diagnosis of caries and plaque
- Proxi interchangeable head: early and gentle detection of approximal caries

Cam
interchangeable head

Proof
interchangeable head

Proxi
interchangeable head

The technology at a glance

	VistaPano S	VistaPano S Ceph
Voltage, current	60-90 kV, 4-16 mA	60-99 kV, 4-16 mA
Maximum height	2280 mm	2280 mm
Weight	105 kg	129 kg
Height adjustment range	700 mm	700 mm
Length	990 mm	1940 mm
Width	1130 mm	1220 mm
Height	2280 mm	2280 mm
Installation	Wall-mounted optional pedestal	Wall-mounted optional pedestal

	VistaIntra DC
Tube voltage	60 – 70 kVp
Tube current	4 – 7 mA
Tube length	200 (300 optional) mm
Radiation field collimation	Ø 60/30 x 40 (20 x 30 optional) mm
Exposure time	0.04 – 2 sec.
Total weight	25 kg
Height	1730 mm
Length	1744/1894/2194 mm

	VistaScan Mini View	VistaScan Combi View
Weight	Approx. 7 kg	Approx. 24 kg
Height	275 mm	720 mm
Width	226 mm	380 mm
Deep	243 mm	380 mm
Stand-by functions	yes	yes
Interfaces	LAN/WiFi	LAN/WiFi
Internal memory	8 GB	8 GB
Features	ScanManager; Stand-alone	ScanManager; Stand-alone

	VistaCam iX HD
Connections	USB 2.0 (USB 3.0 compatible)
Multiuser application	Plug & Play
Activation	with switch on handpiece (top or bottom, as desired)
Handpiece weight	70 g
Handpiece length	200 mm
Cable length	2.5 m (optional extension by 3m with USB hub)
Power supply	USB (5V)
Sensor	High performance CMOS Sensor
Driver	Uses standard Windows drivers, NO additional drivers needed
Resolution	1,280 pixels (H) x 1,024 pixels (V)
Lighting	2 LEDs, Proof (405 nm, violet), Proxi (850 nm, infra-red)
Optical system	Several lenses with protective glass

	System requirements VistaSoft
CPU	≥ Intel Core i3
RAM	≥ 4 GB
Operating system	≥ Windows 7, 32 bit
Hard drive	Workstation (not incl. data bank) ≥50 GB Data bank memory adjusts to the number of images at the surgery (camera image: approx. 1 MB, X-ray image: approx. 2 –10 MB)
Drive	DVD-ROM
Data backups	Daily data backups
Interface	USB ≥ 2.0, Ethernet ≥ 100 Mbit
Graphics board	Resolution min. ≥ 1,280 x 1,024 Depth of colour 32-bit, 16.7 million colours
Diagnostics monitor	acc. to X-ray Ordinance
Compatibility	VistaConnect, ImageBridge, DBSWIN, VistaEasy

DÜRR DENTAL

THE BEST, BY DESIGN