Faster and easier: Digital X-ray with image plate technology

Dürr Dental shows the difference

DÜRR DENTAL

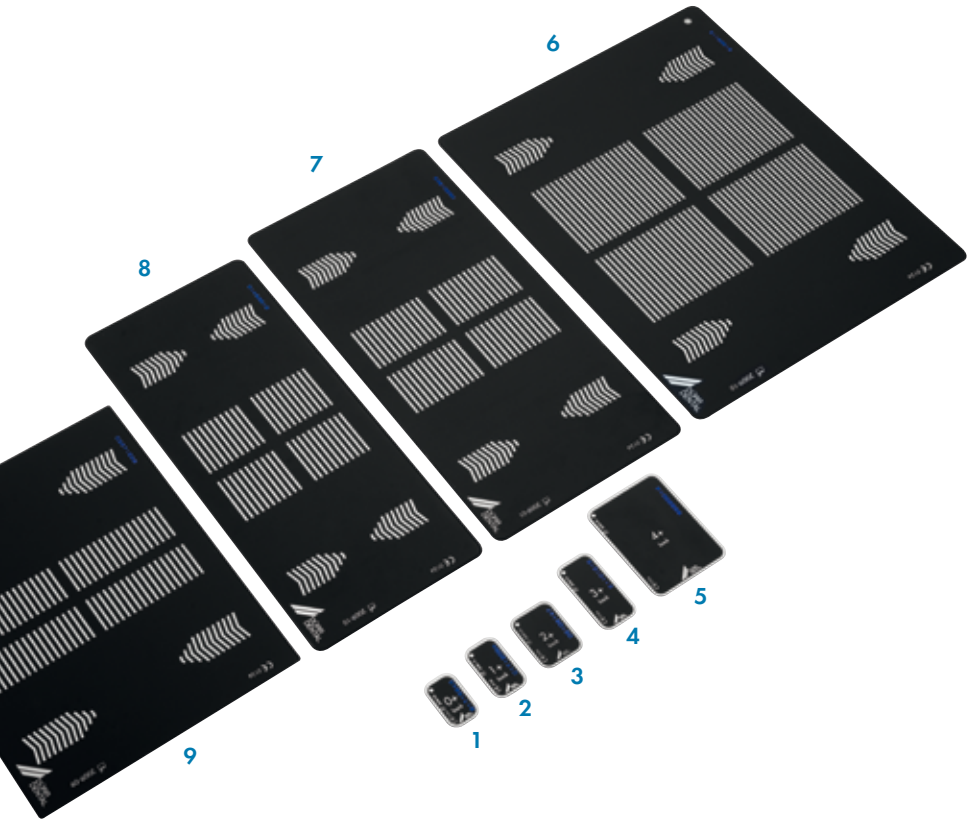
Full digitisation with Dürr Dental image plates

Changing over to image plates is really worthwhile

The conversion from X-ray film to the 'digital' image plate is a small step but extremely worthwhile. The existing X-ray tubes can continue to be used. No re-training is necessary for the application of image plates since the handling and the range of formats are identical to those of analog film. The surgical team benefits from the advantages of digital X-ray diagnostics: The image appears on the monitor in seconds. Developing chemicals and the darkroom are no longer required. Image plates can be used with a reduced radiation dose. And because of the wide latitude of exposure, the risk of poor images is reduced. The latest studies* show: Image plate technology is the right path to pursue in order to achieve digitisation without compromise.

Maximum exposure range

Image plates offer the widest latitude of exposure in comparison with CCD/CMOS sensors and X-ray films. This reduces the risk of incorrect exposure. The thin reusable 'Plus' image plates are available in all current imaging formats. Economical: The coated surface can be exposed several hundred times, repeatedly scanned and erased again. Thus dispensing with the need for development chemicals. No stocks, no disposal.



1 Size 0 (2 x 3 cm)
Film for children's and adult teeth in front tooth area

2 Size 1 (2 x 4 cm)
Children's Bitewing: Caries diagnosis

3 Size 2 (3 x 4 cm)
Standard adult film: Caries and paro diagnosis, control images

4 Size 3 (2.7 x 5.4 cm)
Adult Bitewing: Caries diagnosis

5 Size 4 (5.7 x 7.5 cm)
Occlusal image: Jaw fractures, impacted teeth, salivary gland stones, diagnosis of cysts and ulcers, diagnosis of supernumerary or missing teeth

6 Panoramic images (15 x 30 cm)

7 Panoramic images (12.7 x 30.5 cm)

8 Ceph images (18 x 24 cm)

9 Ceph images (24 x 30 cm)

*Further information is available from Dürr Dental.

Safe application, excellent image quality

Optimum protection – straightforward application

The light protection covers of the Plus image plates are made of material that poses no risk to health. They feel smooth and comfortable in the mouth; therefore, they have a high degree of patient acceptance. The covers are 100% hygienically sealed with narrow edges and an indentation on both sides for tearing open and feeding the image plate into the scanner or cassette. Its exceptional impermeability to light has been demonstrated in studies – a guarantee for excellent image quality. The covers are simple to open and close.

Image plate holder system

Some film holder systems can leave scratches on the film with frequent use. The image plate holders by Dürr Dental offer excellent protection for the image plate thanks to their de-burred and rounded edges. Holders that support the development of perfect X-ray images are available for all areas of application.

Image plate cleaning cloth

The VistaScan image plate cleaning cloth thoroughly cleans and also disinfects the plate at the same time thus removing any impurities that may appear on an image. The benefit is a lasting, optimal image quality.

Digital X-ray with image plates –
you can't get more flexible than that

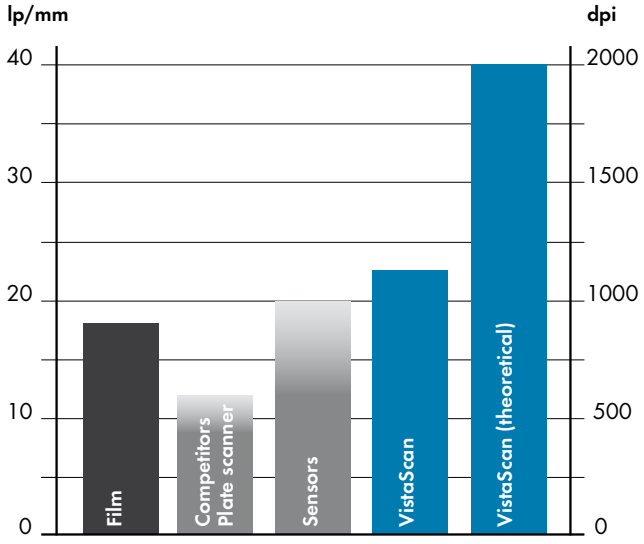
This is what counts:

- All intraoral and extraoral formats
- Excellent image quality (100% active area)
- High grey scale range
- Re-usable
- Long service life (Dürr Dental Plus image plates)
- As flexible and thin as film
- Conventional holding devices can be used (we recommend the RWT set from Dürr Dental)
- Comfortable for the patient

Dürr Dental:
Leaders in digital X-ray diagnostics

Photon Collecting System (PCS) technology from Dürr Dental

The PCS technology used in Dürr Dental scanners is crucial for excellent image quality. Result: Highest resolution, widest grey scale range and greatest photon efficiency. The PCS technology in VistaScan scanners is even ahead of the development of image plates: The theoretical resolution is 40 lp/mm while the latest image plate generation is currently 22 lp/mm. The VistaScan systems from Dürr Dental achieve higher resolutions than the competition. Benefit for the surgery: Guaranteed future for diagnostics.



Comparison of the effective image resolution of X-ray systems

High efficiency in the surgery with VistaScan image plate scanners

VistaScan Perio Plus

The intraoral high-performance scanner for high X-ray volumes. Ideal for central installation. Up to 8 images can be scanned at the same time. The right choice for large surgeries and clinics.

VistaScan Plus

The all-rounder for all extraoral and intraoral formats. Pano, Ceph and intraoral digitising with just one system.

VistaScan Mini Plus

The compact scanner with single image feed. The ideal chairside device for small and medium sized surgeries.

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