

Press release

Unique Reuleaux Full Arch FOV enables low-radiation method of depicting the natural dental arch form

Veraviewepocs 3D R100 (CBCT) equipped with innovative imaging format in the form of a Reuleaux Triangle

Dietzenbach, 12 March 2013. The versatile combination devices of the Veraviewepocs line by Morita already typify high resolution X-ray images for making a precise diagnosis. As leading provider in digital imaging, the dental supplier has now brought a versatile device onto the market in the Veraviewepocs 3D R100, which allows simple handling and working with a reduced dose of radiation. A new type of field of view in the form of a Reuleaux triangle shows only the region of interest and allows for working with a minimal dose of radiation.

The combination system of panorama, cephalometry and 3D images, is very versatile in its application: from planning orthodontic treatment to precise location of root canals in the endodontic area to planning and carrying out implant procedures – even within the framework of guided surgery. Veraviewepocs 3D R100 offers six fields of view with different volumes (from Ø 40 x 40 mm to Ø R100 x 80 mm) for various possibilities of use. With the aid of the integrated touch screen displays, the user can also select four different ceph displays – for normal practice operation, the combination system is also extremely cost-efficient in initial cost.

A unique, innovative field of view in the form of the Reuleaux Triangle represents a key innovation for the Veraviewepocs 3D R100. The aim is the generation of the smallest possible images in order to use the correct FOV (field of view) depending

on clinical indication. The so far completely unique field of view replaces the typical cylindrical form with a triangle and increases congruence with the natural dental arch form – avoiding unnecessary doses of radiation (compared to Ø 100 FOV).

The Veraviewepocs 3D R100 was awarded the Clinical Innovations Award in Great Britain in 2012. The X-ray device was the overall winner in competition with a series of other innovations and impressed the jury as a “technological breakthrough” for dental diagnosis and treatment planning. The judge especially praised the unique shape of the Reuleaux field of view because it coped with the natural shape of the jaw. This ensured the accuracy of the image whilst reducing the radiation dose by almost 15 %. Morita has developed a unique and versatile system in the Veraviewepocs 3D R100 that provides precise, high resolution images with maximum safety and minimum exposure.

The Morita X-ray system’s image data management is also supported by tried and tested i-Dixelsoftware. The new panorama-plus function can depict various slice images and allows the handler to reconcile jaw anomalies or malpositions. i-Dixel is now available as a web browser based solution as well; it is largely platform-independent and can be used on many terminal devices; use of the software is comfortably carried out via an “ordinary” web browser. The new software version is part of a central, internal “cloud” solution and makes data and storage management easier for the whole practice team, so that all those entitled within the practice can access the relevant data sets.

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About Morita:

The Morita Group is one of the leading manufacturers of technical medical products. The traditional Japanese company has sales companies in Europe, USA, Brazil, Australia and Africa and offers a wide range of products. As a leader in x-ray diagnostics and endodontics, the company's product portfolio offers high-performance imaging systems up to cone beam CT, handling units, turbines, straight hand and contra-angle pieces, instruments and endodontic measurement and preparation systems. With outstanding quality standards and continuing research, Morita's worldwide staff of 2,400 employees is oriented towards the needs of users and doctors. In this way, the spirit lives of Junichi Morita who founded the company in 1916. Morita has now been in family hands for three generations and is currently under the management of Haruo Morita.