X-Mind trium: 3 in 1 extra-oral imaging for all your 3-D requirements

**_X-Mind trium: I need 3 solutions in 1_**

ACTEON presents its new X-Mind trium panoramic dental unit, which can be upgraded to 3-D (CBCT) and/or cephalometry. It has a full range of medium FOV sizes to facilitate 2-D and 3-D examinations.

**_I am demanding_**

X-Mind trium is the only device that combines all the best image qualities in one package. The smallest voxel size available on the market (75µm), combined with in-house innovative metal artefact filter STAR, enable easier and more reliable diagnoses. X-Mind trium has 4 FOV sizes ranging from Ø40x40 mm to Ø110x80 mm to minimise exposure in the relevant area. The FOVs do not come from a stitching technique.

**_I demand cephalometry_**

Due to its patented mechanism, the secondary collimation does not need to be on the cephalometric arm. Furthermore, this means that the arm can be shorter, making the X-Mind trium one of the smallest footprints for a cephalometric device.

**_I want minimum exposure for my patients_**

X-Mind trium uses 1.5 to 12 times less radiation than a medical scanner, and reduces the necessary dose by 30% compared to other cone beams. This makes it one of the most suitable for ALARA principle devices.

**_I want no limitations_**

Developed to provide the optimum level of image quality for superior diagnosis at a minimal dose, X-Mind trium is your ideal work companion. ACTEON Imaging Suite (AIS) is simple to use and is compatible with Windows and Mac OS X.

**_contact_**

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The new FireCam HD by 3DISC Imaging, a manufacturer of digital imaging solutions, is an intra-oral camera that rapidly delivers high-definition images during consultations, enhancing chair-side time with patients.

"Advancements in camera technology have allowed us to fit an incredibly high number of pixels into the FireCam HD. With 5M pixels, it is the intra-oral camera with the highest definition image on the market. It enables you to see every little detail while examining patients’ teeth," said Sigrid Smitt-Jeppesen, CEO of 3DISC Americas.

Dentists can use the FireCam HD during consultations to show patients a clear image of their dental problems, document patients’ issues before starting treatments and record progress during ongoing treatments. It can be used to motivate patients to initiate further treatment and encourage patients to change their oral hygiene habits, as it enables them to see the problem with their own eyes.

The FireCam HD adjusts images automatically. With auto-focus and auto-brightness, it yields the best image possible. This allows dentists to focus on their patients instead of dealing with hardware settings.

A specially designed heating mechanism prevents the patient’s breath fogging the lens and thus causing images to become unclear. The seamless exterior of the FireCam HD leaves nowhere for bacteria to hide and is easily cleaned with disinfectant liquid. These two features eliminate the need for plastic sheaths, which blur and lower the image quality and detail.

As 3DISC has designed the FireCam HD to be the size of common dental instruments, the compact design fits naturally into the hand of the dentist. The slim design also makes it a more pleasant experience for the patient.

In March 2015, the company exhibited the FireCam HD at the International Dental Show (IDS) in Cologne in Germany.
RAY introduces new imaging system at IDS

RAY, a specialist in digital radiation technology, introduced its latest extra-oral imaging system, the RAYSCAN α+, at the 2015 International Dental Show (IDS). In addition, the company, formerly a subsidiary of Samsung Electronics, has announced a new initiative to become an independent manufacturer. RAY’s strategic decision to leave the Samsung Electronics venture fund provides the company the freedom to create innovative dental imaging technologies, the company stated.

Recently, Dr Sangchul Lee, the founder of RAY, purchased the main stocks from Samsung to own the company. This founder-owned system allows RAY to make faster decisions and progress toward the global market, the company stated. RAY’s singular focus on the dental market and a significant investment by a investment by BRV Lotus, part of venture capital firm BlueRun Ventures will lead to substantial growth, particularly in the crucial US and European markets, which comprise 70 per cent of all of its dental imaging sales.

According to RAY, Samsung selected the manufacturer as the first subsidiary to start up in the health care business owing to its expertise in the field. During the project with Samsung, RAY built an effective quality control system and introduced the first radiographic unit in the medical field. In 2012, RAY introduced RAYSCAN α, and its revenue has almost doubled every year over the last two years.

IDS attendees could visit RAY booth for a demonstration of the new RAYSCAN α+. The state-of-the-art technology allows for faster scanning (4.9 seconds) and real-time CT (reconstruction, 1.5 seconds). Also on display was the new RIOSensor digital radiography system, an intra-oral sensor with dedicated radiographic imaging software.