New Planmeca ProMax 3D ProFace system enables safer and faster facial surgeries

Planmeca ProMax 3D ProFace, a unique CBVT imaging unit with an integrated 3-D facial scanning system. This true 3-D application is designed to fulfill the most diverse diagnostic needs of today's maxillo-facial and dental professionals. The Planmeca ProMax 3D ProFace unit acquires a 3-D facial image of the patient without exposing the patient to radiation, allowing the medical or dental professional to plan surgery and document the follow-up images.

Planmeca is the first to introduce an integrated 3-D unit that produces a realistic 3-D facial image, in addition to traditional digital maxillo-facial radiography. One single scan generates both a 3-D and a CBVT image. Alternatively, the 3-D image can be acquired separately through a completely radiation-free process: the lasers scan the facial geometry and the digital cameras capture the colour texture of the face.

The 3-D image visualises soft tissue in relation to dentine and facial bones, providing an effective follow-up tool for maxillo-facial operations. As Planmeca ProMax 3D ProFace acquires both a 3-D and a CBVT image in a single scan, the patient position, facial expression and muscle position remain unchanged, resulting in perfectly compatible images. For careful preoperative planning, the medical professional can study the facial anatomy thoroughly using Planmeca Romexis software, which facilitates a detailed surgery and enhances the aesthetic results.

"This new product clearly demonstrates our ground-breaking R&D and best practices in imaging. Planmeca provides the most advanced tools—3-D imaging units and software—for visualising patient anatomy, making treatment planning and follow-up for orthodontic, maxillo-facial and aesthetic surgeries more precise, faster and safer," explained Helianna Puhlin-Nurminen, Vice-President of the Digital Imaging and Software Applications division at Planmeca.

The product is based on the recognized Planmeca ProMax platform, which makes future upgrades extremely simple. The Planmeca ProMax 3D ProFace feature is available for Planmeca 3-D products: Planmeca ProMax 3Ds, Planmeca ProMax 3D, Planmeca ProMax 3D Mid and soon also for Planmeca ProMax 3D Max.

Planmeca Oy, established in 1971, designs and manufactures a full line of high-technology dental equipment, including dental care units, panoramic and intra-oral X-ray units, and digital imaging products. Planmeca, the parent company of the Finnish Planmeca Group, is strongly committed to R&D. It is the largest privately held company in the field and the third largest dental equipment manufacturer in Europe.

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