Planmed Verity®

The original weight-bearing CBCT

ENGLISH

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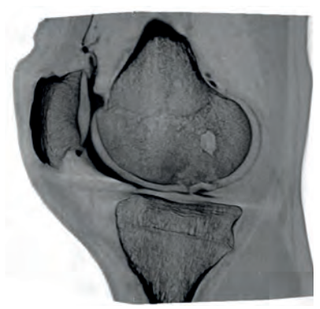
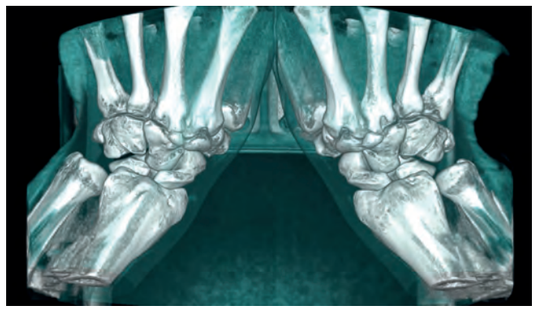
Planmed Verity® – extraordinary adaptability

Planmed Verity® *is a unique 3D imaging solution for orthopedic as well as head and neck imaging. This mobile all-in-one cone beam computed tomography (CBCT) scanner provides premium-quality images in a compact and beautifully designed package. It is a perfect fit for patients of all sizes – from adult to pediatric patients.*





Exceptional image quality

Planmed Verity's high-quality 3D images capture even the smallest bone structures with minimal interference. Iterative algorithms and a high resolution ensure optimal image quality. Arthrographic examinations with intra-articular contrast provide excellent visualizations of joint disorders.

Adaptable imaging

Planmed Verity features a motorized gantry which can be adjusted for height and tilt for the best possible positioning of the patient. It allows the imaging of the knee, foot and ankle both in a natural position with the patient standing and also in a seated posture. The imaging of upper extremities, such as the elbow, arm, hand, wrist and fingers is also convenient. The head and neck option extends to dental and maxillofacial needs.

With **Planmeca CALM™**

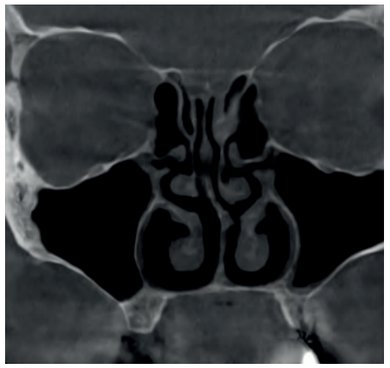
Without **Planmeca CALM™**

Movement artifact correction

Planmed Verity can be used with the **Planmeca CALM™** algorithm for patient movement correction. The revolutionary algorithm eliminates the need for retakes by clearing movement artifacts from CBCT images – excellent for imaging livelier patients.

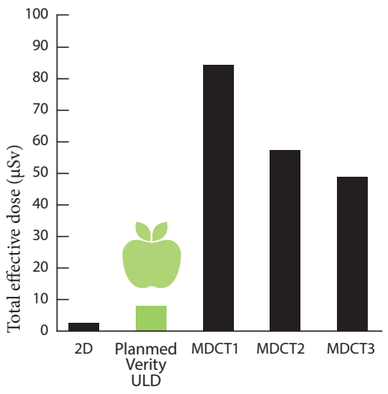
Unique weight-bearing imaging

An extremity CT is currently the only technology able to produce 3D imaging data of the anatomy under real, weight-bearing conditions. By solving the challenges of projection differences and overlapping structures, an anatomy shown in a naturally occurring position can better reveal joint space narrowing and other conditions that may otherwise remain hidden or doubtful in a non-weight bearing position. This improves diagnostics and provides invaluable information for the orthopedists for treatment planning.



Versatile head and neck imaging

Planmed Verity's maxillofacial, ENT and dental imaging capabilities make it a versatile tool for imaging centers and hospitals. With Planmed Verity, the imaging of the head and neck is both effortless for the staff and comfortable for the patient.



Ultra low dose 3D imaging

The pioneering **Planmeca Ultra Low Dose™** (ULD) imaging protocol enables CBCT imaging at a significantly lower patient dose than conventional CT imaging – without a reduction in image quality.

*Koivisto, J., Kiljunen, T., Wolff, J. and Kortesniemi, M: Assessment of effective radiation dose of an extremity CBCT, MSCT and conventional X ray for knee area using MOSFET dosemeters. Radiat. Prot. Dosim. Advance Access published July 3, 2013, doi: 10.1093/rpd/nct162

Key features

Patient positioning

- Positioning camera
- Soft, adjustable gantry
- Anatomy-specific support trays
- Integrated scattered radiation shield

3D programs

Upper extremities

- Elbow
- Arm
- Wrist
- Hand
- Fingers

Lower extremities (also weight-bearing)

- Knee
- Leg
- Ankle
- Foot
- Toes

Head and neck

- Ear
- Face
- Jaw
- Neck
- Sinuses
- Teeth

Technical specifications

Anode voltage	80–96 kV
Anode current	1–12 mA
Dimensions	(W x L x H) 76 x 184 x 160 cm / 30 x 72 x 63 in.
Weight	350 kg / 770 lbs
Field of view	16 x 13 cm with single scan – stitched up to 16 x 20 cm
Voxel sizes	200, 400 µm
Input	100–240V single phase, 10–16A
Connectivity	DICOM 3

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Watch video :
Planmed Verity® Extremity Scanner

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