

# New endodontic imaging mode from Planmeca yields detailed images without noise or artefacts



## \_Planmeca ARA removes artefacts efficiently

Metal restorations and root fillings in the patient's mouth can cause shadows and streaks in CBCT images. The intelligent Planmeca ARA Artefact Removal Algorithm removes these artefacts efficiently from Planmeca ProMax 3D images.

## \_Planmeca AINO removes noise from CBCT images

A particularly low radiation dose or small voxel size can cause noise in 3-D X-ray images. The new Planmeca AINO Adaptive Image Noise Optimiser is an intelligent noise filter that reduces noise in CBCT images without losing valuable details. The filter improves image quality in the endodontic imaging mode, where noise is inherent due to the extremely small voxel size. It is especially useful when used in accordance with the Planmeca Ultra Low Dose protocol, where noise is induced by the particularly low dose. Planmeca AINO also allows the reduction of exposure values and consequently the radiation dose in all other imaging modes.

**\_Planmeca has introduced** a new imaging mode specially developed for use in endodontics and that is ideal for cases dealing with small anatomical details, such as imaging of the ear. The new imaging mode is available for all Planmeca ProMax 3D family units and provides perfect visualisation of even the smallest anatomical details. The program produces extremely high-resolution images with a very small voxel size (only 75µm). Owing to the intelligent Planmeca AINO noise removal and Planmeca ARA artefact removal algorithms, noise-free and crystal-clear images are produced.

_contact	roots
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