

## ATOMMax™ Dental & Diagnostic Head Phantom



Model 711-HN

The CIRS Dental and Diagnostic Head Phantom is a standard of reference for diagnostic radiology of the head. The phantom is designed to assist technical and clinical staff in the selection, monitoring, training and verification of scanning parameters common to most radiological procedures requiring fine anatomical details.

The Model 711-HN provides a consistent tool for researchers, clinicians and technologists. It is ideal for determining optimum system settings, commissioning new equipment, monitoring system performance and training in dental X-ray, panoramic X-ray, CT and cone beam CT procedures.

The jaw of the phantom is slightly opened and front teeth are vertically aligned to replicate correct

positioning with a bite guide. Please note that an actual bite guide can not be positioned in this product.

ATOMMax™ is made of tissue simulating resins that mimic the X-ray attenuation properties of human tissue for both CT and therapy energy ranges (50 keV-25 MeV).

The Model 711-HN approximates the average male human head in both size and structure. The phantom includes detailed 3D anthropomorphic anatomy including brain, bone, larynx, trachea, sinus, nasal cavities and teeth. The bones contain both cortical and trabecular separation. The teeth include distinct dentine, enamel and root structure including the nerve. The sinus cavities are fully open.

