

SINO VISION


Scanning room dimension
Recommended room size: 30m² (6m x 5m)
Recommended height: at least 2.8m




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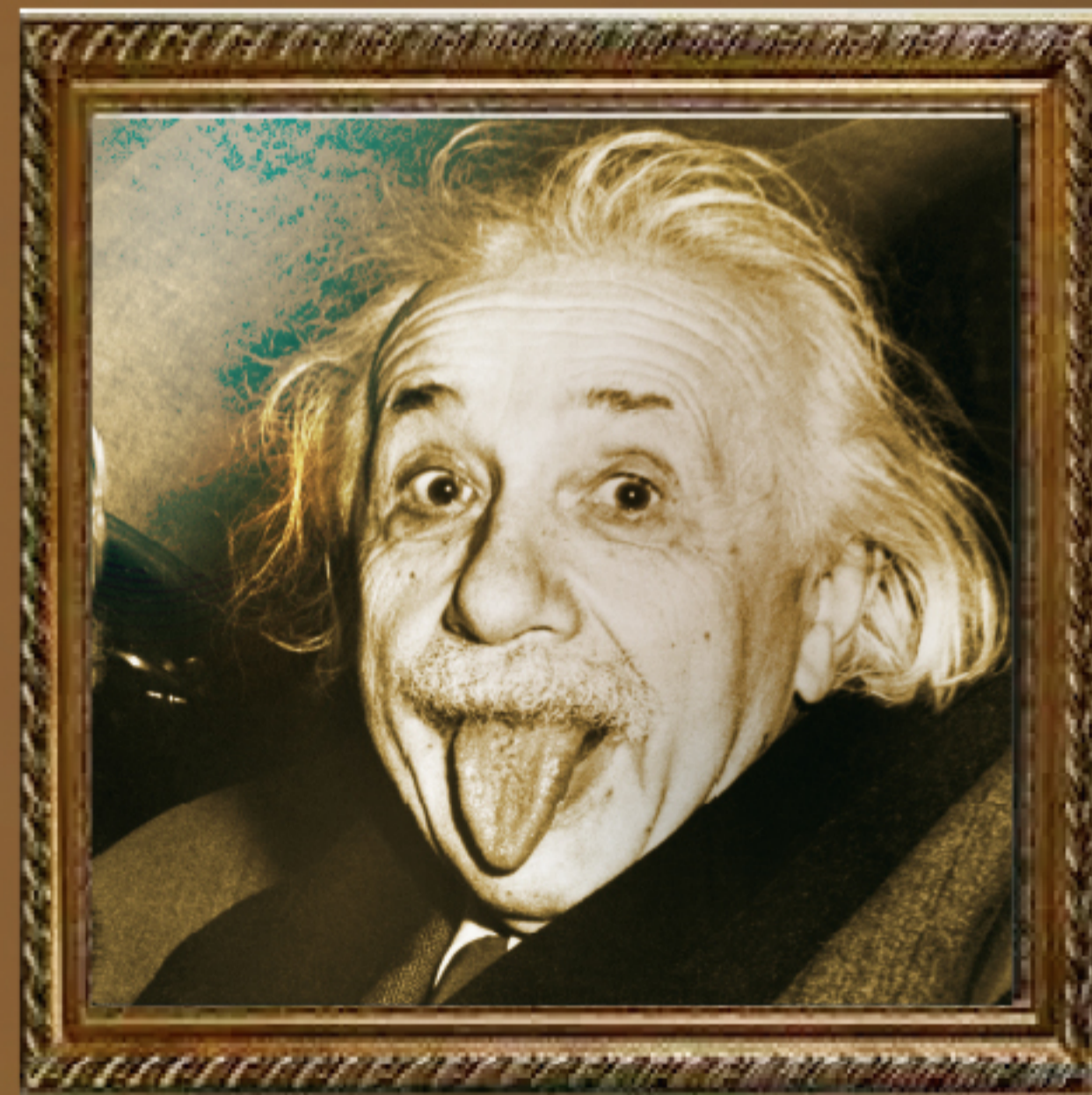
 SINOVISION

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OmegaCT One

Large-bore whole-body spiral upright CT



Gravity: There's no escape!

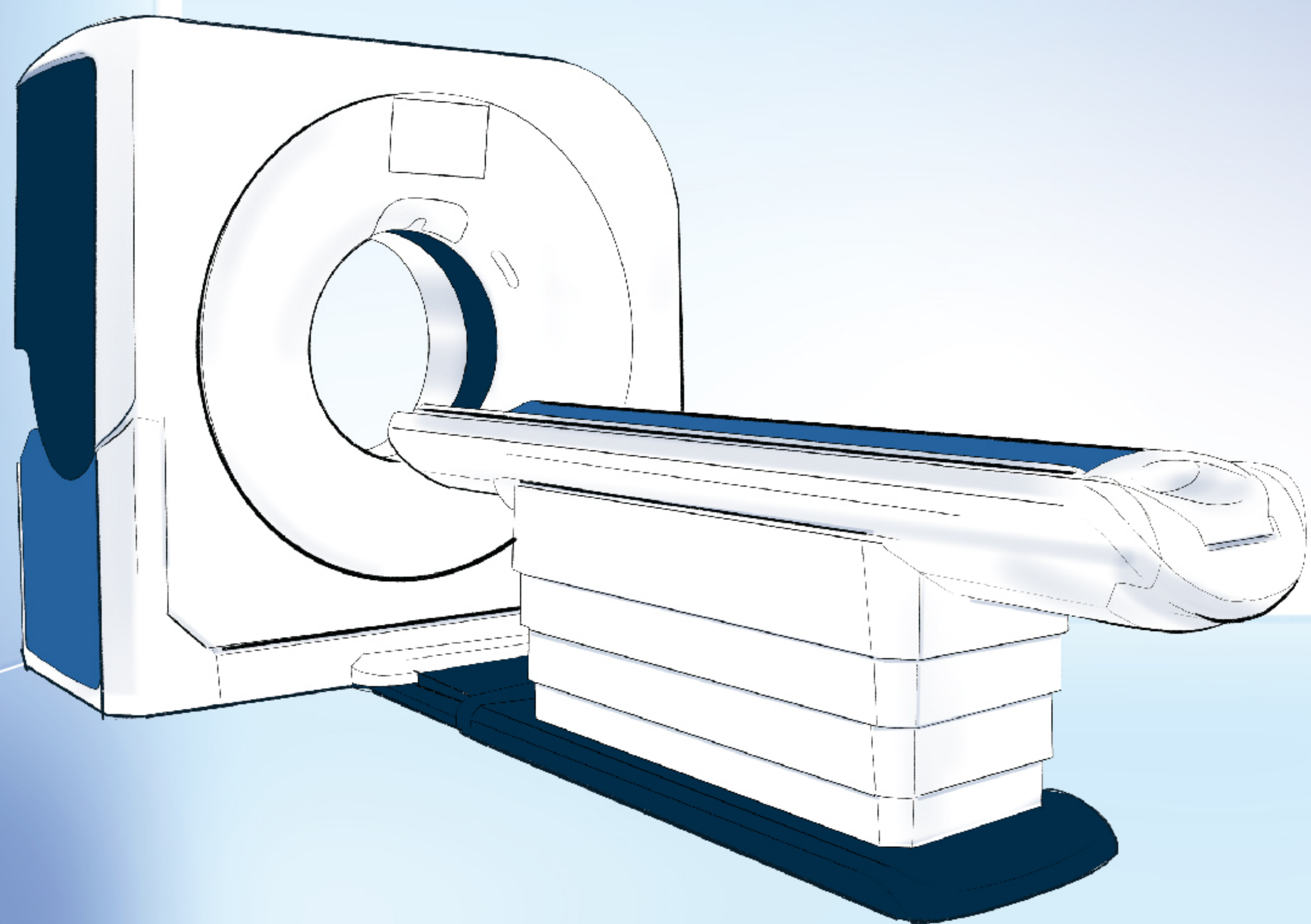
Newton and Einstein both realized that gravity has consequences.



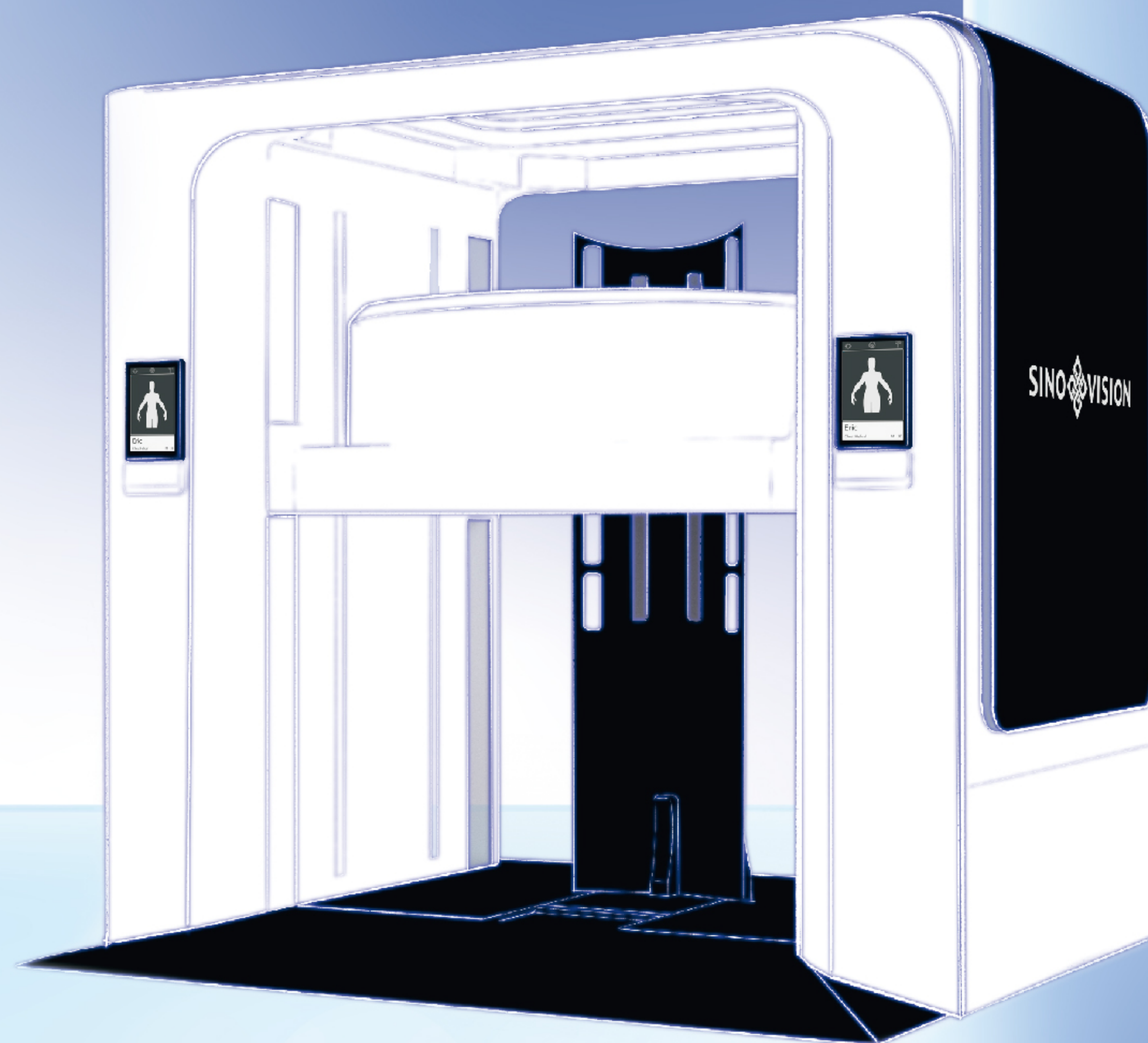
Many have tried to overcome gravity and most have failed.

Icarus was a sad example.

The future of CT development



Traditional CT



Upright CT



Large-bore whole-body spiral upright CT

The first proprietary platform with a huge 1m bore.

The first upright whole-body CT scanner.

The first redefinition of the upright scanning workflow.

A new industrial paradigm that allows medical professionals to see the body undistorted by gravity.

The upright CT ushers the world into a new paradigm

1m large bore

62cm ultra thin gantry

Proprietary core components

2.65m device height

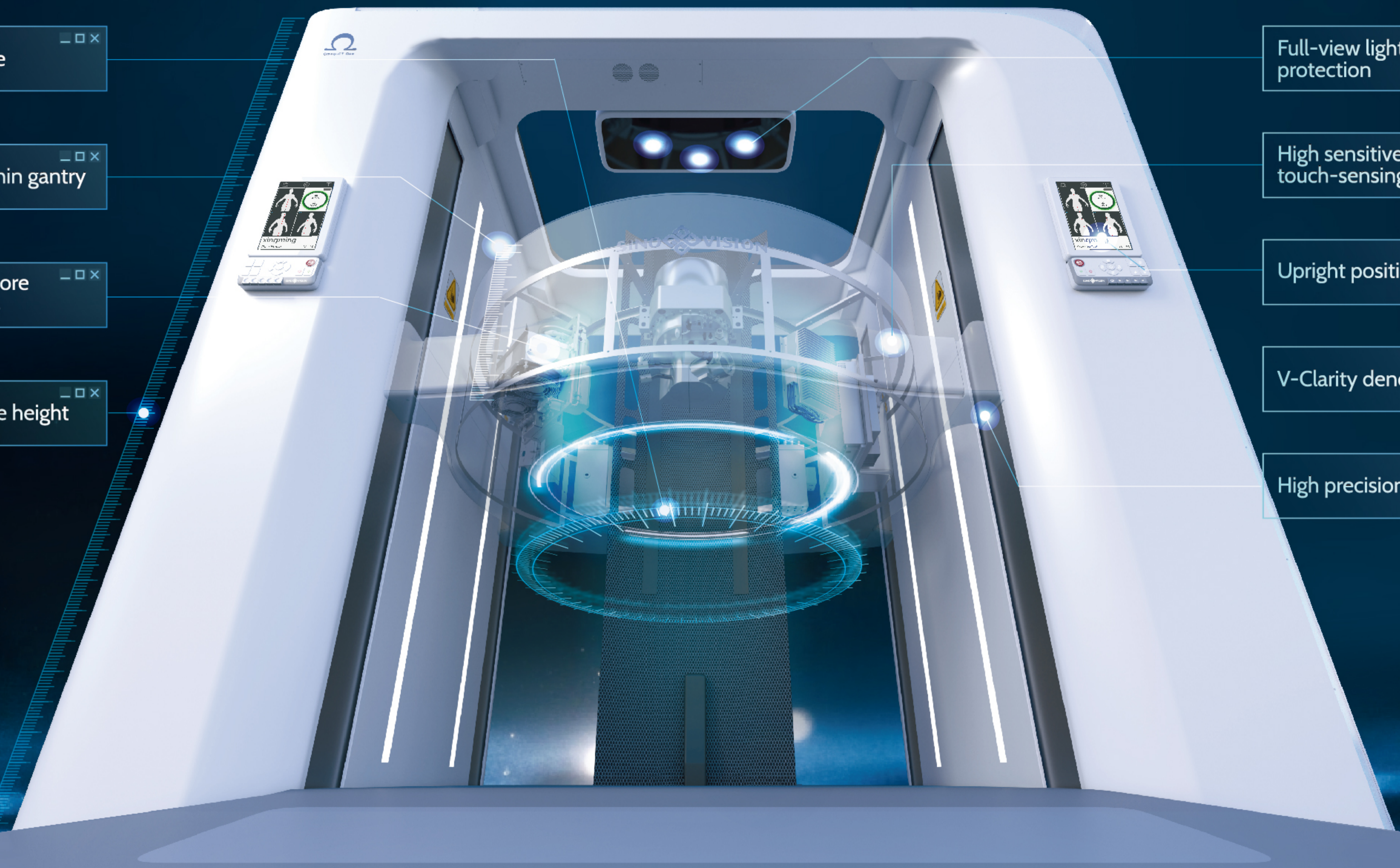
Full-view light-sensing protection

High sensitive touch-sensing protection


Upright positioning

V-Clarity denoising

High precision scanning



Imagine the consequences of gravity in these fields




Radiology




Gastroenterology




Orthopedics



Vascular Surgery




Rehabilitation




Urology




Gynaecology




Neurosurgery



Pneumology

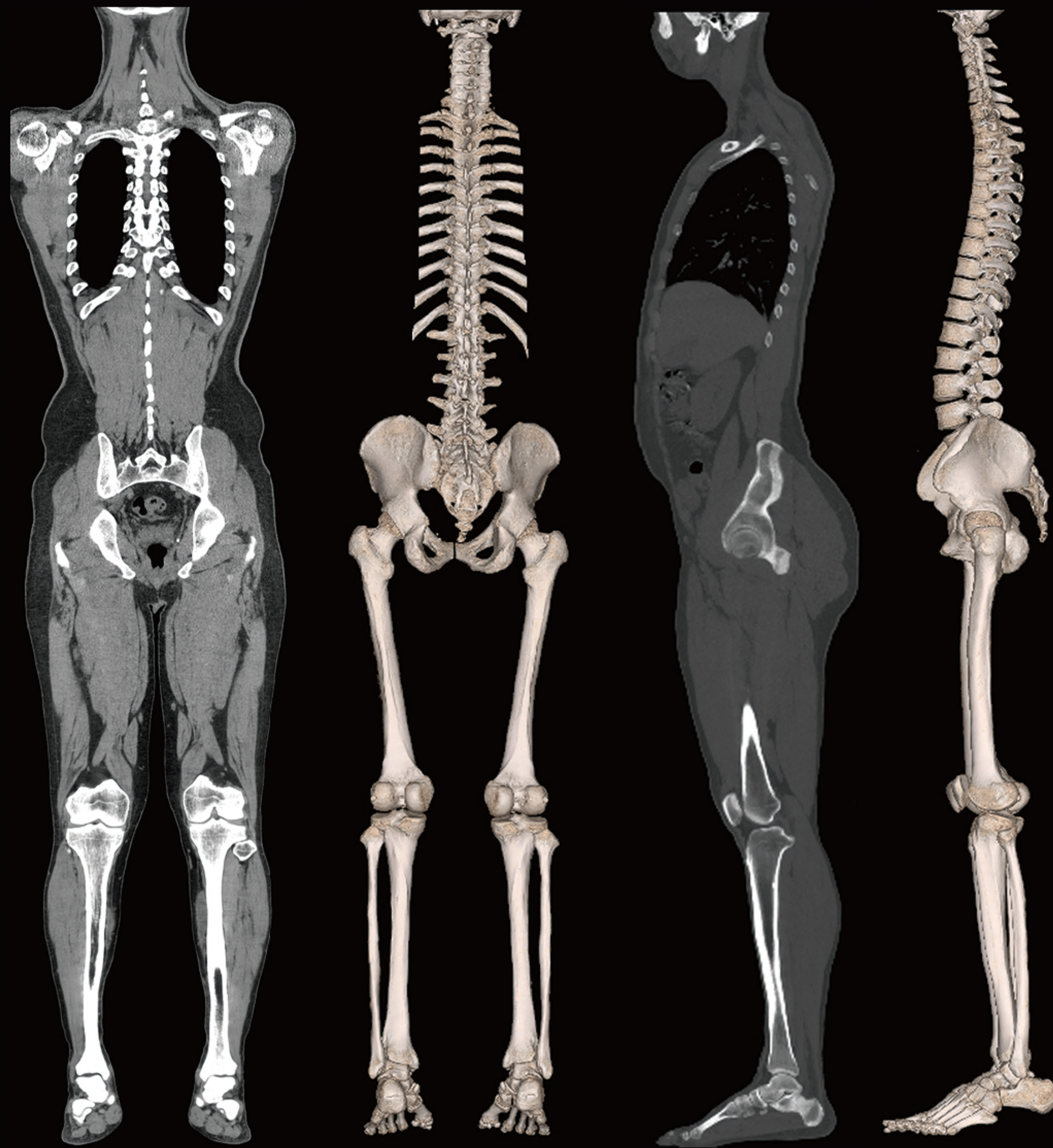


Thoracic Surgery

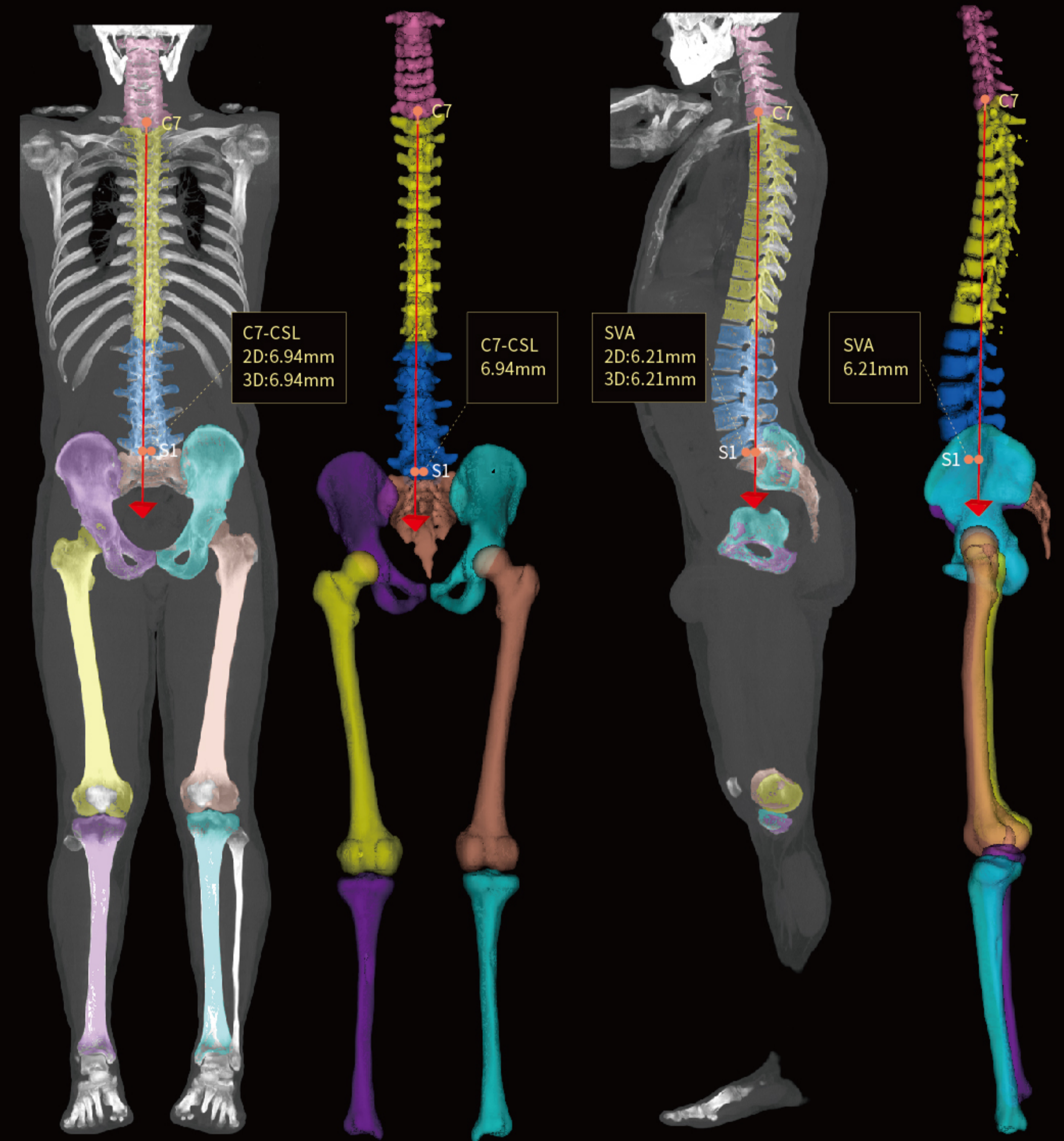


Oncology

Upright full-body helical scan



Redefinition of 3D measurement



Powered by breakthrough innovations, the upright CT achieves a 1600mm scan range with ultra-low dose, providing 3D imaging of the entire spine and lower limbs.

AI-powered post-processing solution for orthopedics enables automatic 3D segmentation of the spine, pelvis, and lower limbs, with automatic landmark detection and Cobb angle and linear measurement. It overcomes the limitations of 2D methods, delivering precise 3D results and providing reliable support for clinical diagnosis and treatment.

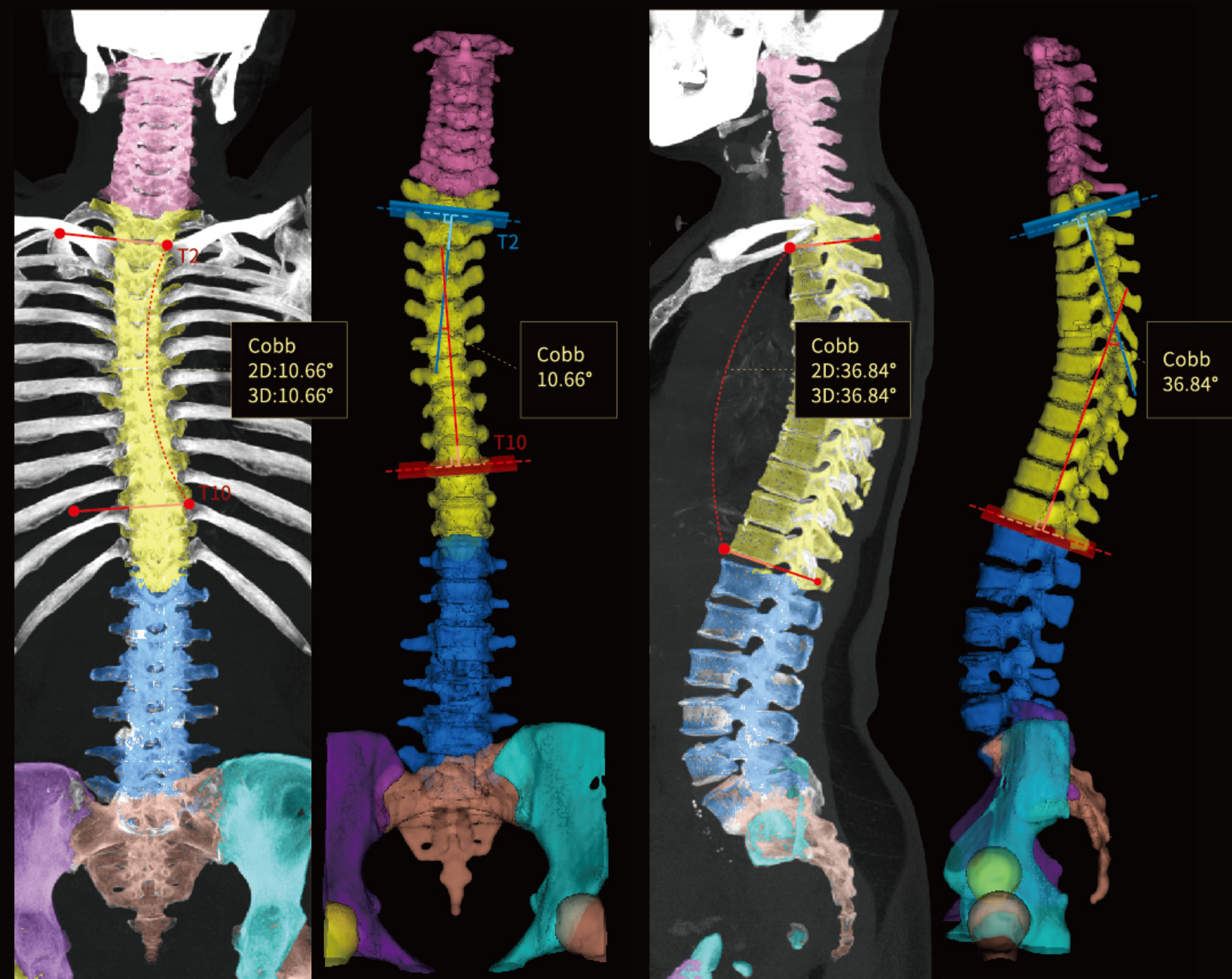
Scan length	CTDI _{vol}	DLP	K value	Effective dose
1600mm	2.10mGy	335.17mGy-cm	0.014	4.69mSv

Automated 3D measurement of the spine

Conventional 2D spinal measurements are prone to be affected by posture, and tend to result in projection errors and overlapping tissues.

Automatic 3D measurement of the spinal parameters accurately restores the true morphology of the spine, assessing the spine in all three dimensions: lateral bending, sagittal flexion, and axial rotation.

It provides more accurate and consistent data, significantly improving the diagnosis of spinal deformities.



Automatic Cobb angle measurement in coronal plane (2D&3D)

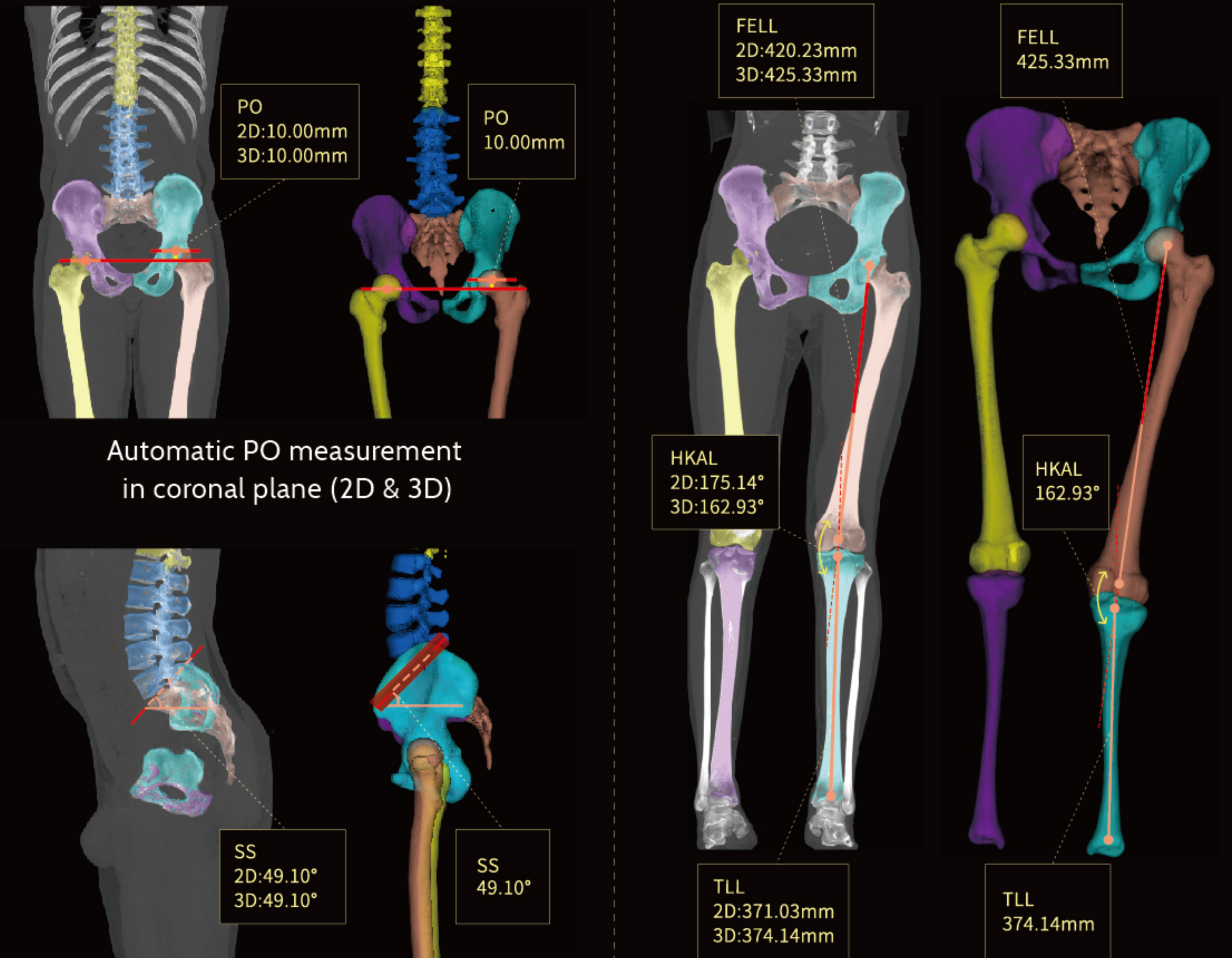
Automatic Cobb angle measurement in sagittal plane (2D&3D)

Automated 3D measurement of the lower limb

2D lower limb measurements are limited by projection errors and positioning restrictions.

Automated 3D measurement of the lower limb parameters restores the true weight-bearing force line of lower limbs, playing a vital role in hip and knee replacement surgeries.

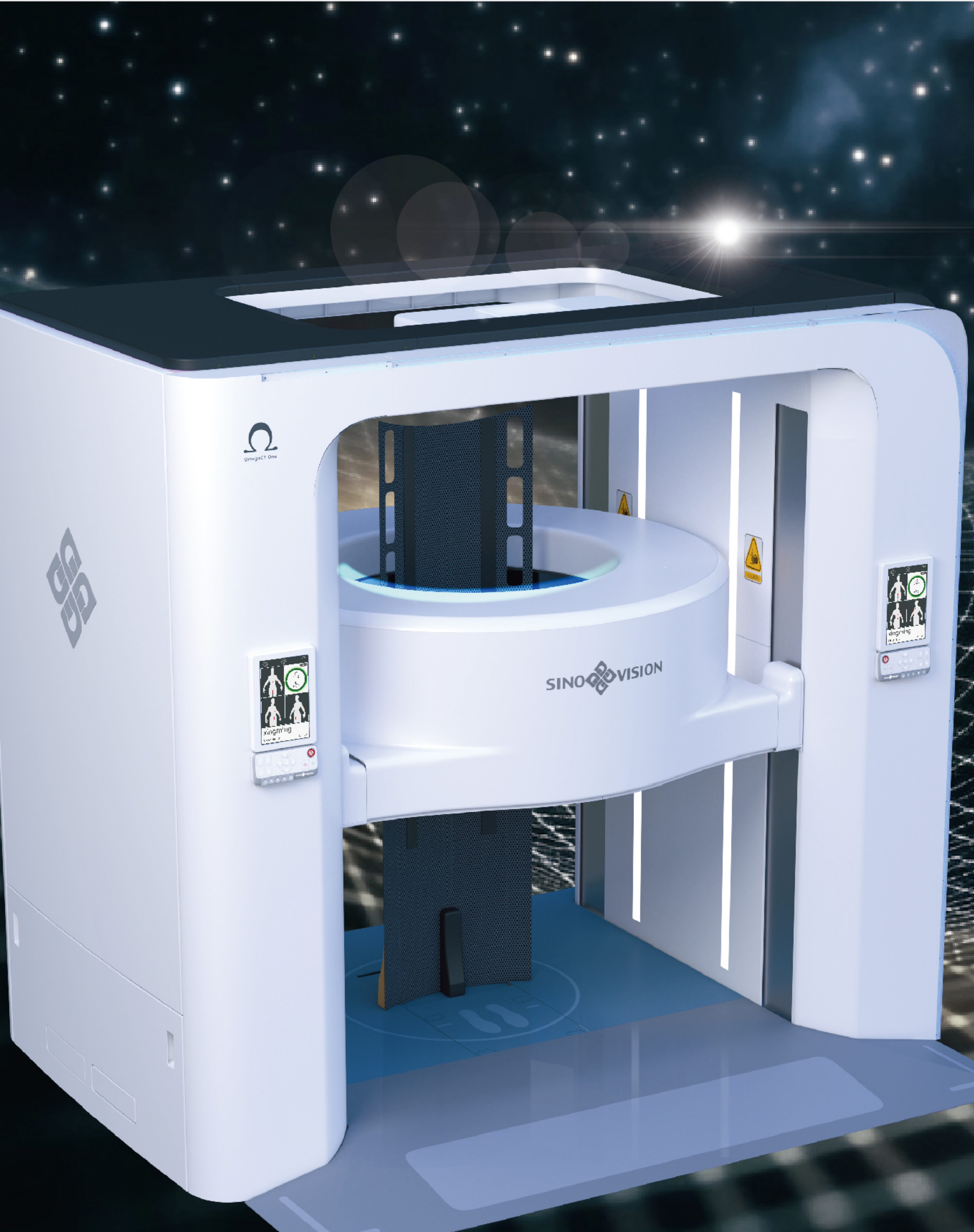
It enables more precise pre-op planning and more efficient post-op evaluation, setting a brand new standard for smart decisions on personalized treatment of bone and joint diseases.



Automatic PO measurement in coronal plane (2D & 3D)

Automatic SS angle measurement in sagittal plane (2D&3D)

Automatic measurement of HKAL, FELL, and TLL angles in coronal plane (2D&3D)



SinoVision

Extending the clinical value of upright CTs.
Establishing diagnostic and treatment guidances for upright CTs.
Generating industrial standards.
Ushering in a new paradigm in precision medicine.



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