

**TRIVITRON**  
HEALTHCARE  
*speaking your language*

**INTELLIGENT  
IMAGING  
MADE EASY**



**AI  
BASED INTELLIGENT  
IMAGING**

**TERRENE  
SLEEK 32**  
**ADVANCED CT SCANNER**



# INTRODUCTION

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Triviron Healthcare is leading the way in bridging the gap between advanced medical technology and its availability to all. With a thoughtfully curated range of medical imaging solutions, Triviron has positioned itself as a pioneer in bringing top-tier medical technology within reach. This accomplishment is driven by a strong focus on Research & Development, excellence in manufacturing, and strategic partnerships.



**15 Manufacturing  
Facilities**

India | USA | Finland | Austria | Turkey | Dubai | China

**32**

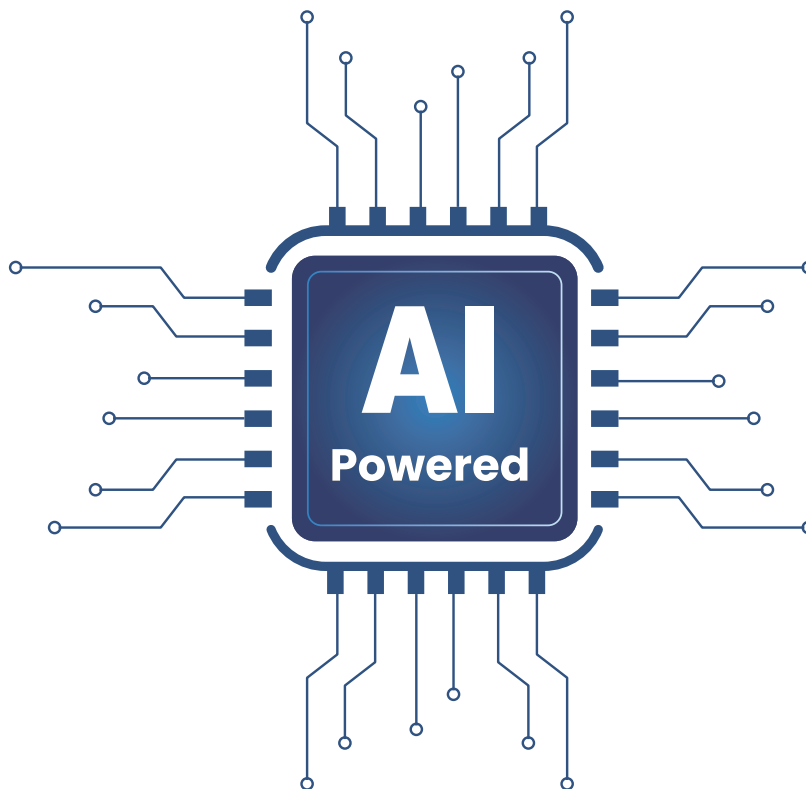
**Slice  
System**

**24**

**rows**

**3D**

**Anti-scatter  
Collimator**



**70CM**

**Bore**

**12.1"**

**Integrated Display  
Screen**

**300**

**mA**

# EFFICIENCY MADE EASY

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## Streamlining tasks with remarkable precision & speed

Terrene CT Scanner is integrated with advanced imaging technologies that enable efficient, precision imaging with low dose.

### New generation OptiWave™ rare-earth ceramic CT detector



Exceptional spatial resolution that enables high quality imaging



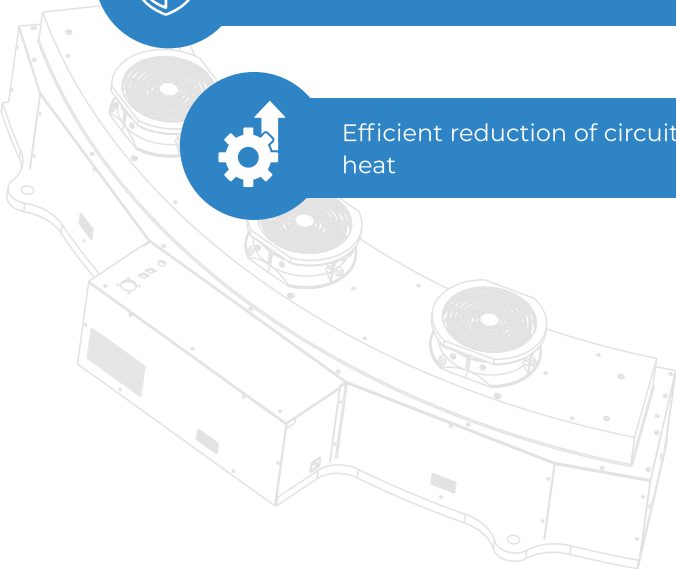
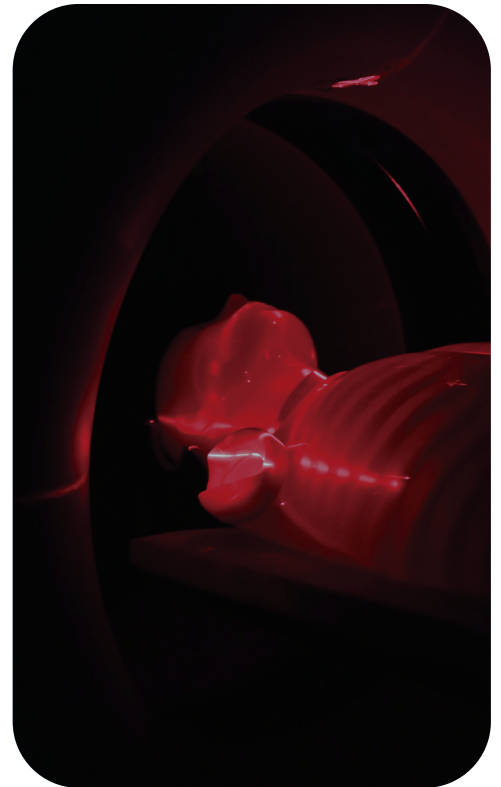
Lossless transmission with remote complex circuit system



Suppression of any electronic noise interference

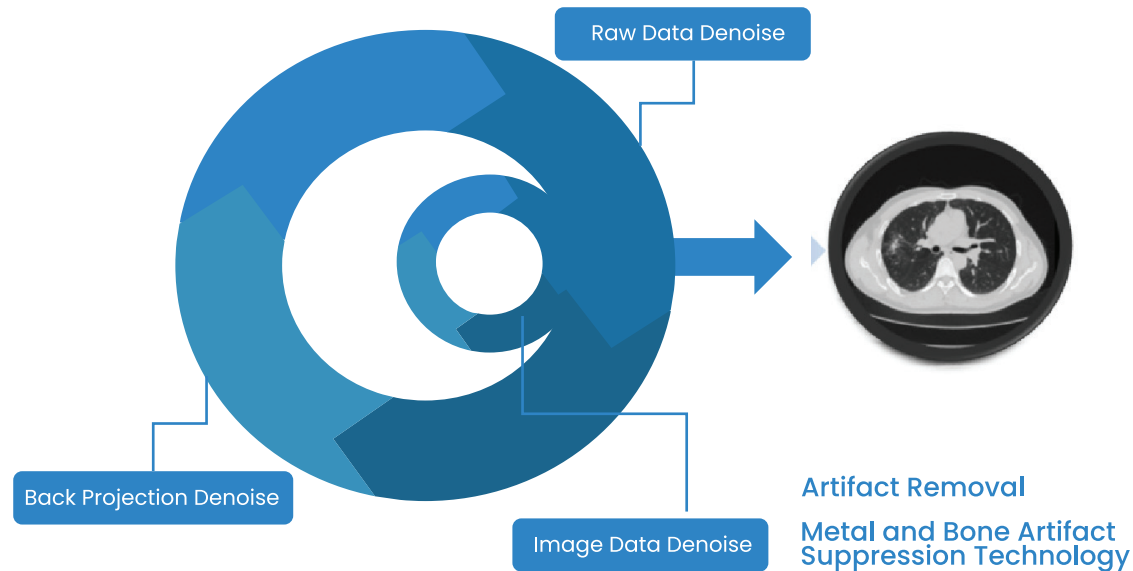


Efficient reduction of circuit system heat



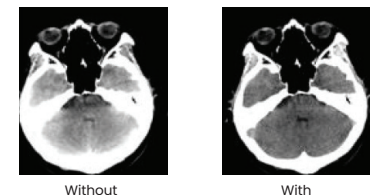
# SCANNING MADE EASY

## DeNoise Method



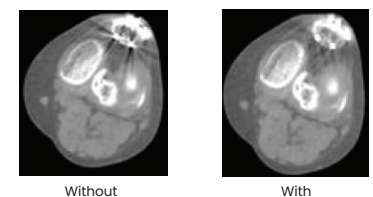
## ArtiTech M

Metal Artifact Removal is performed on the basis of pre-processed images to remove artifacts effectively and suppress the generation of secondary artifacts.



## ArtiTech B

Bone Artifact Suppression Technology can eliminate parts like cerebellum, brain stem and so on, clearly showing the structure and improving the diagnostic reliability.

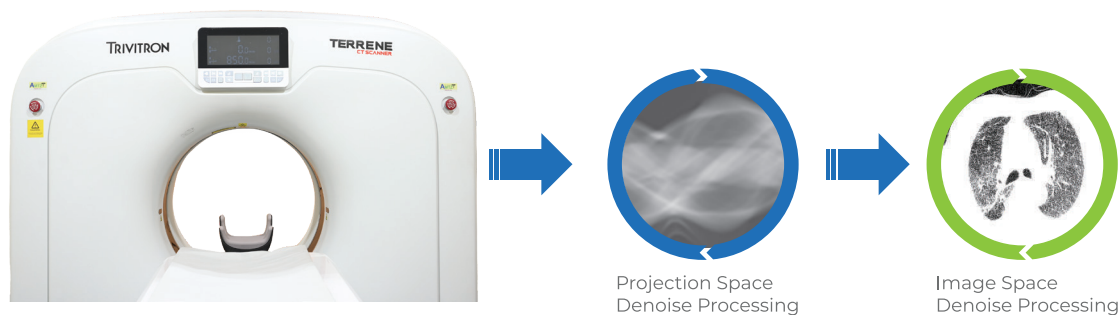


# SCANNING MADE EASY

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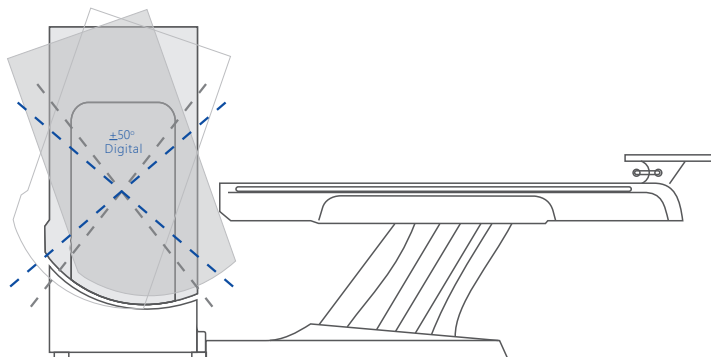
## LRD <sup>3D</sup> Iterative Reconstruction

3D Iterative Reconstruction can not only fully extract effective data information but also maintain consistent image quality with reduced dose compared to conventional algorithm.



## Gantry Tilt – Digital Tilt

Digital Gantry Tilt of  $\pm 50^\circ$



# SCANNING MADE EASY

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## Auto mA

Auto mA is an automatic current modulation technology which optimizes the tube exposure output. System utilizes different real-time tube current based on the patient organization, ensuring the high definition of images while don't compare to the extra radiation dose.

## Auto kV

Auto mA is an automatic current modulation technology which optimizes the tube exposure output. System utilizes different real-time tube current based on the patient organization, ensuring the high definition of images while don't compare to the extra radiation dose.

## Low-dose Pediatric Scanning

A full-range of pediatric scanning protocols have been customized and recorded in system for children based on the weight, age and scanning area. Reducing exposure in reasonable range while achieving satisfiable clinical output.

## Dose Management Platform

- Tracking and monitoring patients, cumulative radiation dose, and receiving notifications and alerts if your predetermined dose levels exceeded.
- Automatically controls tube current to increase or decrease the signal as necessary to maintain constant image noise while lowering dose.
- Specially dedicated protocols for pediatric patients with Ultra-low dose care.



# SCANNING MADE EASY

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## Remarkable clinical outcomes



Bone Artifact Suppression Technology



Microscopic Imaging Technology



Inner-Ear Imaging



High Resolution Abdomen Imaging



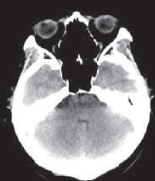
Gray & white matter Enhancement Technology



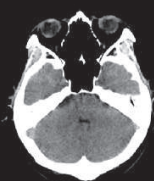
High Resolution Lung Imaging



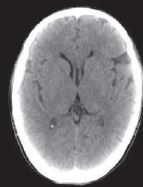
High Resolution Bone Imaging



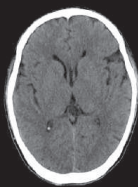
Without Abast



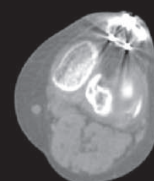
With Abast



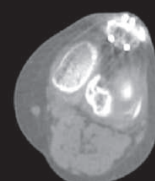
Without AccuHead



With AccuHead



Without Amast



With Amast



# EFFICIENCY MADE EASY

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Driving peak performance



## **Intelligent sectional sleep & instant awakening**

Designed to lower operational costs with sectional sleep to save on power consumption. Instant awakening feature helps keep your workflow intact with increased patient throughput.



## **Precise Detector temperature control & smart stand-by mode**



## **Efficient energy-saving technology and lower power consumption (low overhead costs)**

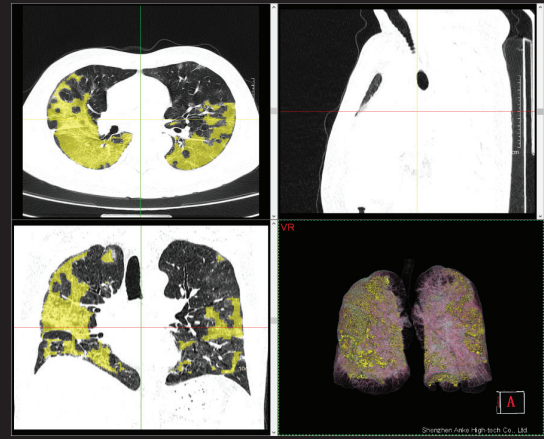
# FUNCTIONALITY MADE EASY

Exceptional features that set new standard in efficiency

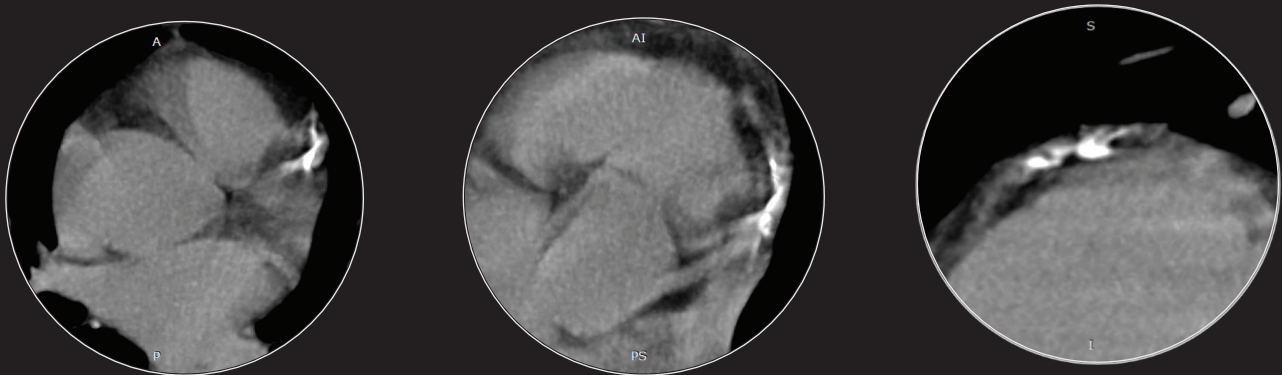
## Pulmonary Lung Nodule Analysis\*



## Pneumonia Analysis



## Calcification Score\*

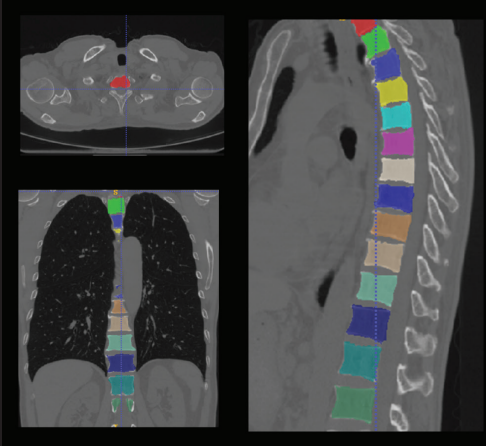
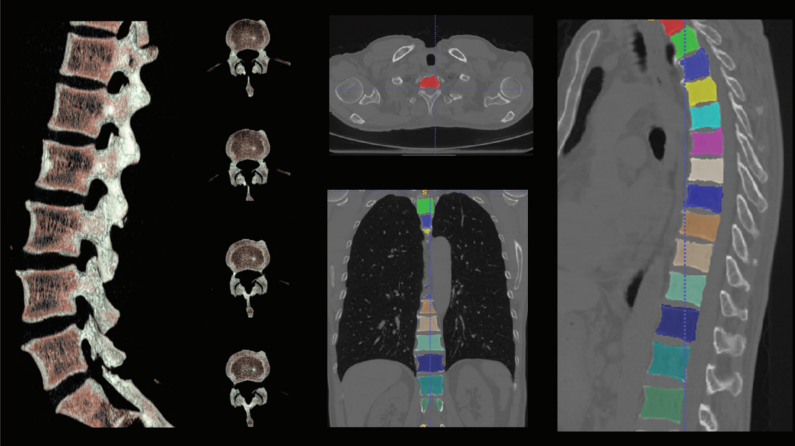


\*Optional

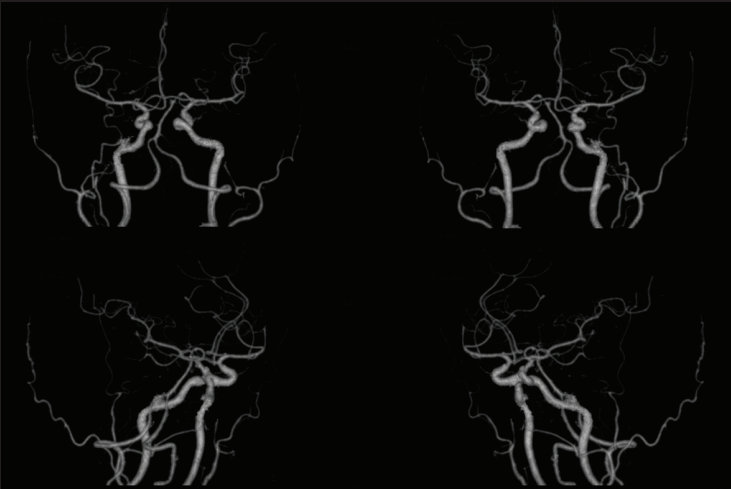
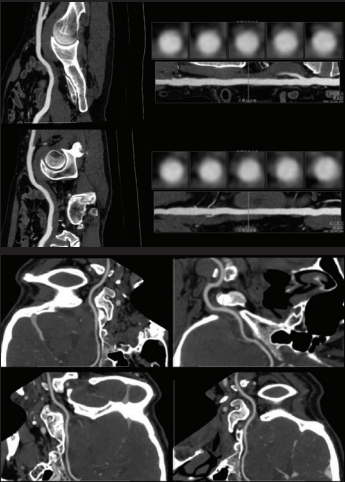
# FUNCTIONALITY MADE EASY

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## Intelligent Spine Analysis

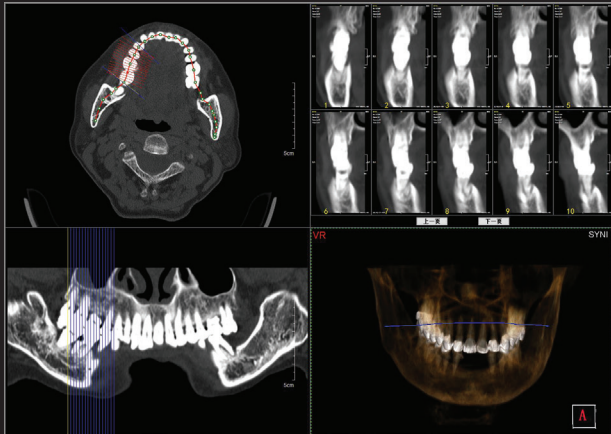


## Advanced Vascular Analysis

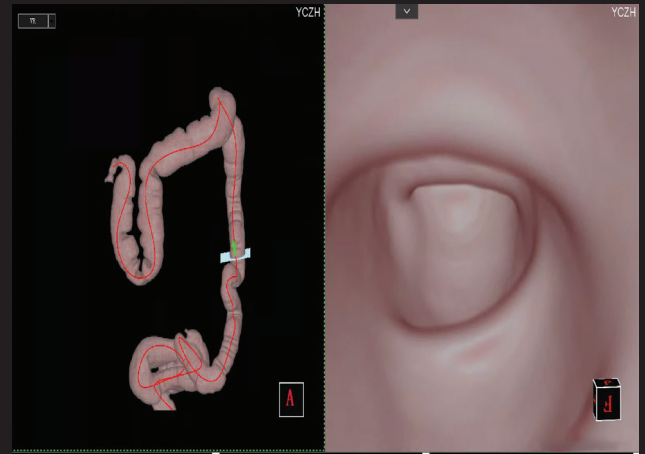


# FUNCTIONALITY MADE EASY

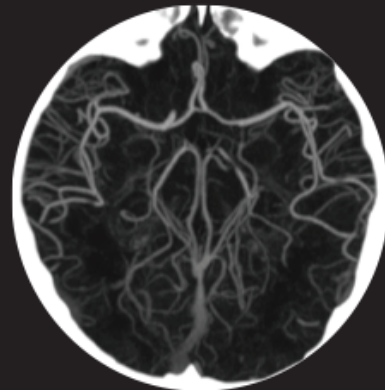
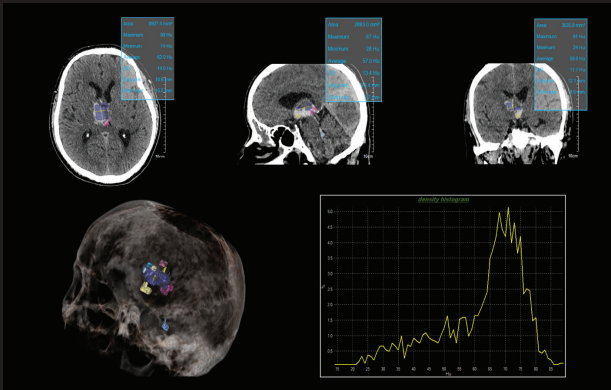
## Advanced Dental Analysis



## Virtual Colonoscopy



## Intelligent Stroke Analysis

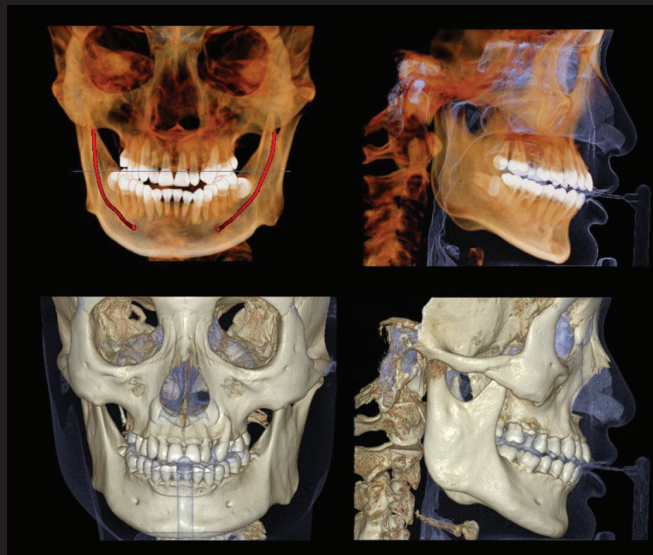
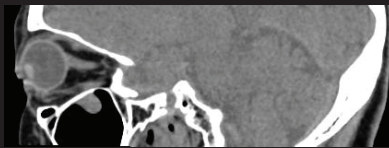
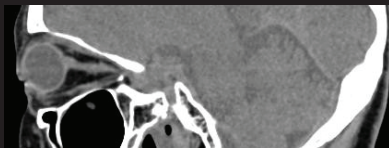
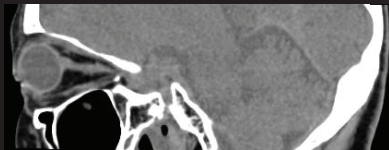
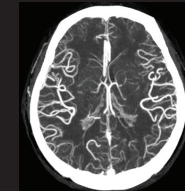
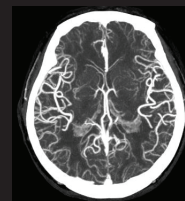
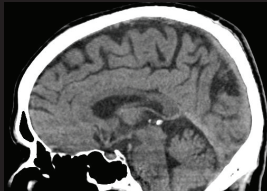
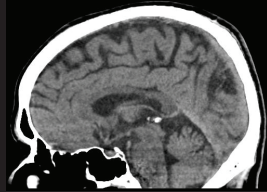




# FUNCTIONALITY MADE EASY

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Boosting your business in Application



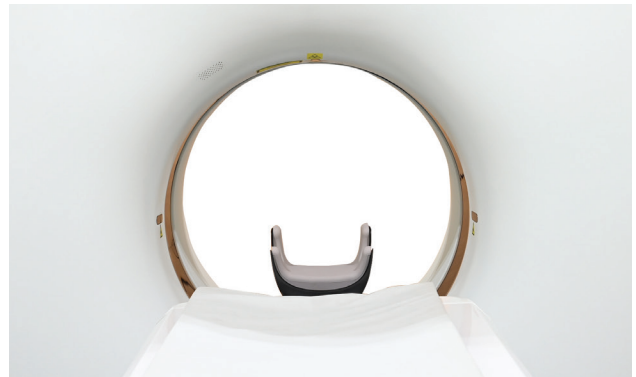
## CARE DELIVERY MADE EASY

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Ensures a seamless workflow while prioritizing patient comfort



Terrene CT Scanner is equipped with multiple ScanPrep points that aid in smoother workflow.



70cm Large Aperture for Trauma, Ortho or obese patients.



On-gantry display allows for quicker ScanPrep and lets the technician stay close to the patient.



A comprehensive Dose Management Platform for Dose Monitoring & Dose Reduction

# UPTIME MADE EASY

## Uninterrupted operation and reliability

### Radiation Damage Attenuation



Optimized structure design



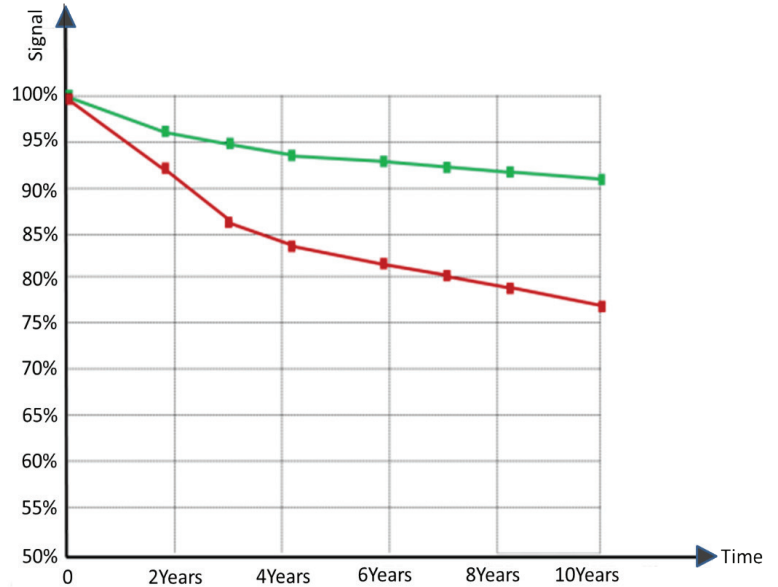
Reduced Radiation damage attenuation



10-year signal attenuation  $\leq 8\%$



Enhanced Stability



### Serviceability



Highly integrated structure design with easy disassembly of key components for quick maintenance and upgrade on-site

### Triviron Care



Team equipped with experts  
One Visit Solution

# THANK YOU FOR MAKING IT EASY

Terrene CT Scanner is a part of a comprehensive radiology portfolio. Our imaging systems are designed to provide efficient solutions to users and patients. We are constantly developing, evolving and growing based on the insights provided to us by our esteemed customers.

Your insights have helped us work harder to bring solutions that are more productive to the masses. This would not have been possible without you.

Thank you



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