



GE HealthCare



# OEC 3D

Spine procedural imaging



# Precise images



## CT-like images in the operating room

Reduce the need for two C-arms in the operating room with OEC 3D, a single mobile C-arm that performs both 3D and 2D imaging easily.

### Precise

The OEC 3D provides comprehensive imaging coverage with precise 19 cm x 19 cm x 19 cm 3D volumes – 67% larger volume\* to see more levels during a spinal fusion, as well as exceptional 2D images during procedures. OEC 3D volume reconstructed images deliver precise multiplanar views to aid clinical decisions in the operating room.

### Clear

The OEC 3D Volume Viewer presents five perspectives: Axial, Coronal, Sagittal, MIP, and VR, and 2D images on a large 4K display for clear and detailed review of 3D volumes and 2D images.

### In-Depth

Analyze CT-like images with the OEC 3D Volume Viewer which includes Multi Oblique Mode with reference coordinates, Window Level/Window Width, rotate, zoom, and more for quick and comprehensive visualization.

### Relevant

In the 3D Volume Viewer, scroll through the 512 slices or adjust slice thickness to aid in visualization of spinal structures. Enhance 2D imaging with Spine and C-Spine preset profiles.

### Retrospective

Leverage retrospective reconstruction after a 3D volume acquisition to reduce metal artifact and noise for a desired look. The OEC 3D presents multiple ways for clinicians to plan, analyze, and confirm during a procedure.

\*Compared to other 3D C-arm published specifications



# Volumes of detail

View CT-like images in minutes during spine procedures.





# Efficient workflow

## Streamline

Reduce need for scout images with Live View, which gives a real time look at C-arm imaging detector positioning without using X-ray.

## Lightweight

At a light weight of 740 lbs, easily move the OEC 3D C-arm around a patient table or room to room without battery powered floor movement, bringing adaptability to every procedural suite.

## Quick

In less than a minute, the OEC 3D powers up and is available for 2D or 3D imaging. With 30 second acquisition and 30 second reconstruction for a typical scan, 3D images are ready swiftly for review. Consistently achieve necessary angles during 2D imaging with six preset motorized positions.

## Convenient

Control imaging from within the sterile field or step away with the OEC Touch Tableside\*, a rollstand with all the control functionality available on the C-arm.

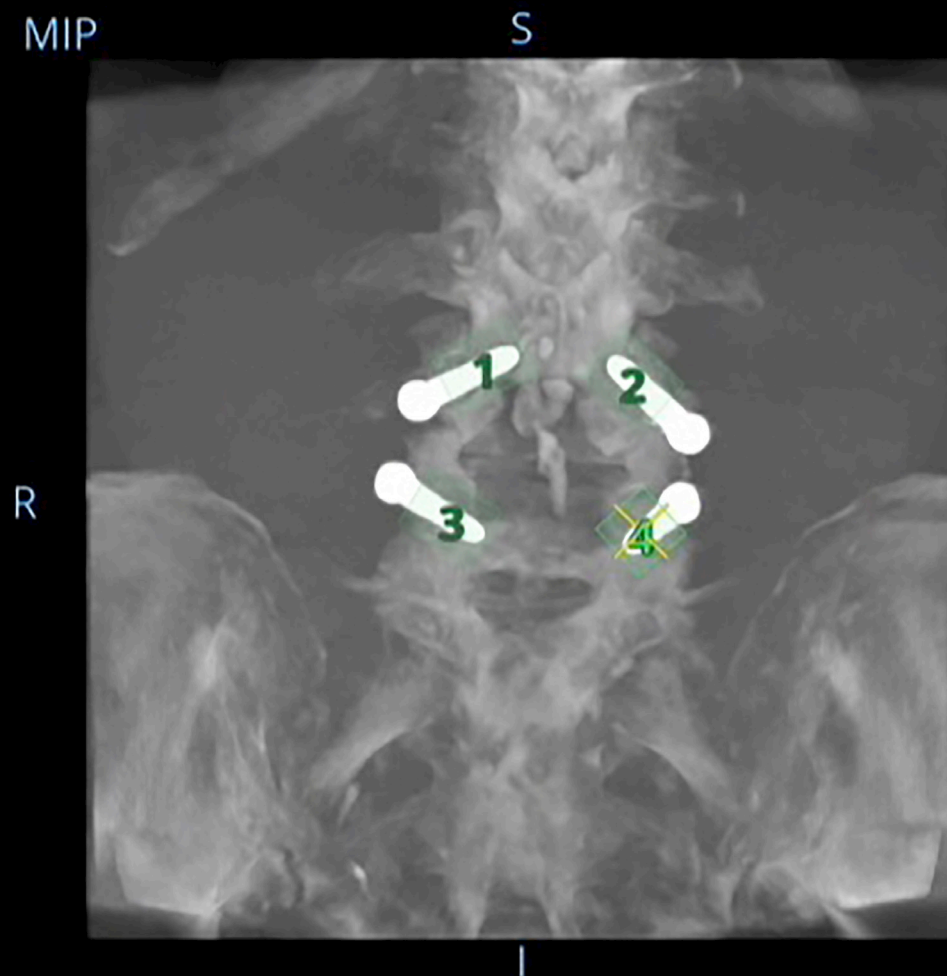


\*Optional in select countries

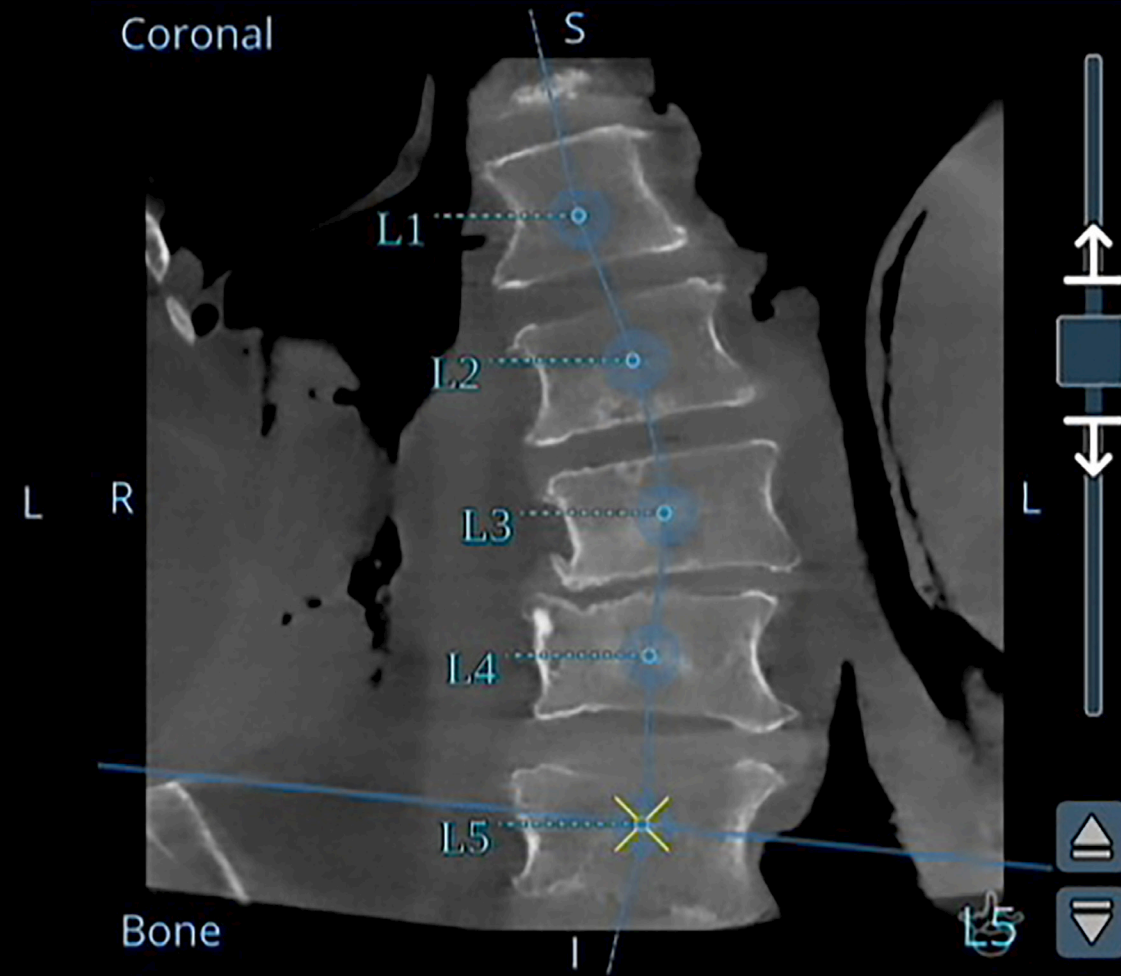




# Spine Suite



Screw detection and numbering



Centerline tracing and manual vertebrae labels

## Optional package

The OEC 3D Spine Suite provides advanced visualization tools:

### Screw detection

Review screw placement with automatic detection and numbering within the OEC 3D volume. Thoroughly assess positioning with oblique views relative to pedicle and vertebral body cortices viewable in all 3D perspectives.

### Vertebrae labeling

Manually label spine levels (cervical, thoracic, lumbar, and sacral vertebrae) in the OEC 3D mobile CBCT volume.

### Centerline

Trace an alignment centerline/midline on a spinal curvature. The OEC 3D axial images are obliquely reformatted according to kyphotic, lordotic, and scoliotic curvatures. Each image dynamically reformats when scrolling along the centerline in the axial direction.

### OEC Open

OEC 3D Spine Suite includes an OEC Open verified interface to transfer 3D volume data sets seamlessly to a verified navigation and robotic system.

\*Optional in select countries

# Everyday imaging



## Versatility

The clinical versatility of this mobile CBCT C-arm makes the OEC 3D ideal for any operating room or interventional suite. Whether used exclusively for spine procedures or shared across departments, OEC 3D has advanced 2D and 3D imaging features for every day utilization.

## Minimize

Minimizing X-ray exposure to patients and clinicians is important while ensuring optimal image quality is achieved. The OEC 3D has multiple features to minimize dose including Low Dose Mode, Live View camera, laser aimers, and preset profiles and modes based on preference.

## Connectivity

The OEC 3D features networking and connectivity access to export images for display or storage. For viewing convenience OEC 3D images can be displayed on additional in room monitors via DisplayPorts or wirelessly\*. For patient data management, images and dose reports can be exported to external storage devices via USB port or transferred via DICOM.

## Security

Protecting patient health information is critically important and concerns about cyber security continue to increase. The OEC 3D provides data encryption at rest, runs on a Linux operating system, and enables users to set password requirements and manage system user access.

\*Optional in select countries



Availability of select models, configurations, and options varies by country.  
Please contact your local sales representative.

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