

GE Healthcare



OEC[®] 9900 Elite

Premium Digital Mobile Imaging System.



Discover the clear difference.



For over three decades, GE OEC has been a market leader in mobile C-arm surgical imaging. Now, the OEC 9900 Elite raises the mobile C-arm standard with Precision Imaging Technology using DRM – Dynamic Range Management.

All the special features you've come to associate with OEC C-arms are resident on this latest generation C-arm, but we're taking the 9900 Elite to new heights. We've given you new features that can positively impact your outcomes and enhance your productivity, while providing better return on your investment. Just what you'd expect from a recognized market leader in mobile imaging technology for over 30 years.

Come with us on a journey to discover the new 9900 Elite's superb imaging features.



Traditional OEC Bolus Chase image



OEC 9900 Elite
using Bolus Chase MTS Profile

Superb image quality and a wide range of clinical, surgical and vascular applications, the OEC 9900 Elite is an ideal system for the ER, OR, ICU or surgical imaging or interventional setting.

GE's latest digital mobile C-arm technology uses the patented "no-mask" or Motion Tolerant Subtraction technique that allows the user to perform DSA (Digital Subtraction Angiography) imaging while moving the C-arm or patient. This advancement in imaging coupled with our unique Precision Imaging Technology takes mobile imaging to new heights with improved productivity. Achieve the same benefits of subtraction without all the fuss.

GE's advanced image processing performs faster than alternative technologies and applies specific processing algorithms or different "bandwidths." It accentuates what you want to see and attenuates what you don't.

This patented DRM technology processes each imaging profile uniquely to highlight the anatomy of interest. Bone and vasculature are processed separately to produce optimum definition according to the desired profile.

You can optimize image quality and reduce procedure time by simply selecting the preset imaging profile for a specific application. Simple. Certain. Precise.

Vas MTS...Breakthrough technology for improved vascular productivity.





Streamline ev



Articulating monitors have height adjustment, rotate 270°, tilt up to 10° and travel 22" (56 cm) forward.



Flat panel monitors easily lock and unlock for safety and convenience.

The 9900 Elite's flat panel monitors mount on an articulating arm that allows for comfortable viewing from any angle in the OR, monitors lock securely in place for traditional workstation viewing and safe transport.

With its articulating monitors, simple touchscreen operation and easy C-arm positioning, the OEC 9900 Elite is an ideal system for your surgical and interventional imaging.

ery procedure.



Procedure set-up is a snap with preset imaging profiles that turn on automatically when the system boots, or can be changed with one button. The workstation with touchscreen and touchpad interfaces simplify system operation. This productivity feature remains virtually unchanged from prior OEC workstations, so staff training is efficient. You can quickly enter and retrieve patient information.



New! Touchpad cursor for PC oriented users.



New! Ergonomic friendly keypad makes patient information and orientation easy.

Select image manipulation functions, annotate images, even make hard copy films or paper prints right from the workstation. For users who enjoy a more PC friendly approach, we've added a new touchpad cursor.

A button on the main keyboard lets the operator easily blank the screen to hide patient information for quick patient privacy. A two-step process erases all cases and data on the workstation's recording disk.

Designed for fast, efficient positioning, the OEC 9900 Elite's superb mechanical design features counterbalancing and friction controls for easier AP and lateral movement, orbital rotation and head-to-toe angulation ideal for a wide range of applications – also available in a motorized option.

A high-heat-capacity X-ray tube features a specially designed rotating anode to reduce overheating during long procedures and improve patient throughput. Proprietary heat pipe cooling technology and a ducted fan cooling system help increase fluoro on-time.



Motorized C-arm reduces staff dependence and allows user full C-arm control.



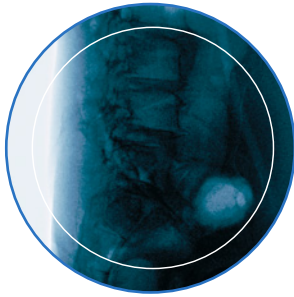
Standard non-motorized C-arm offers superb mechanical design using counterbalancing and friction controls.





Premium 1k² High Resolution Imaging

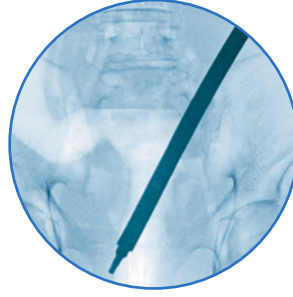
Image I.Q.



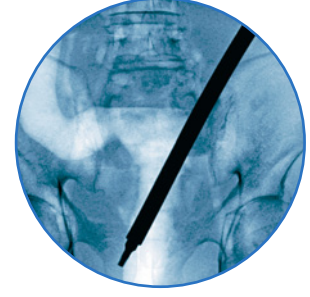
Spine image without collimator and Smart Window



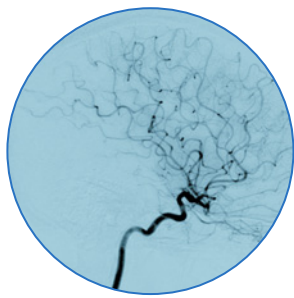
Image with Smart Window



Metal Introduced



Smart Metal Enabled



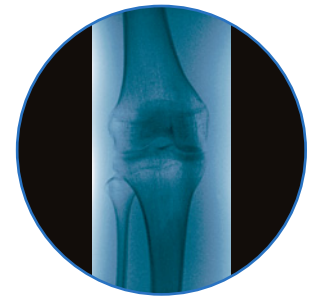
Digital Subtraction



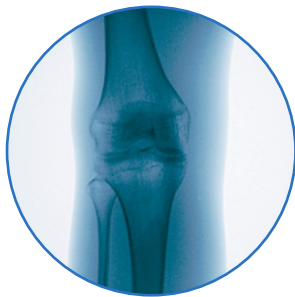
Roadmapping



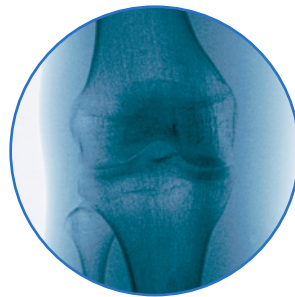
Iris Collimation



Dual-Leaf Collimation



Normal

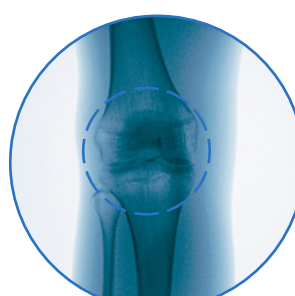
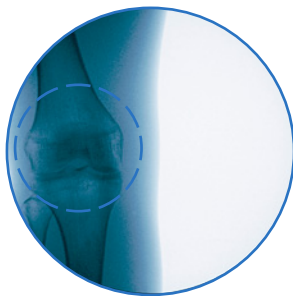


Digital Zoom



Realtime Edge Enhancement

AutoTrak



During live fluoro, invisible AutoTrak sampling window automatically moves with the anatomy, ensuring superb images no matter the position of collimation or centering.

OEC® 9900 Elite...the cle

Moveable 18" Flat Panel Monitors

- Standard High Resolution Black and White bright monitors for superb fluoroscopic viewing.
- 700 Cd/m² maximum brightness.
- Optional right hand color monitor for side-by-side endoscopic and Black and White fluoro images.
- Advanced articulation makes monitors visible from all four sides.

1k² High Resolution Imaging

- Twice the resolution.
- Four times the information.

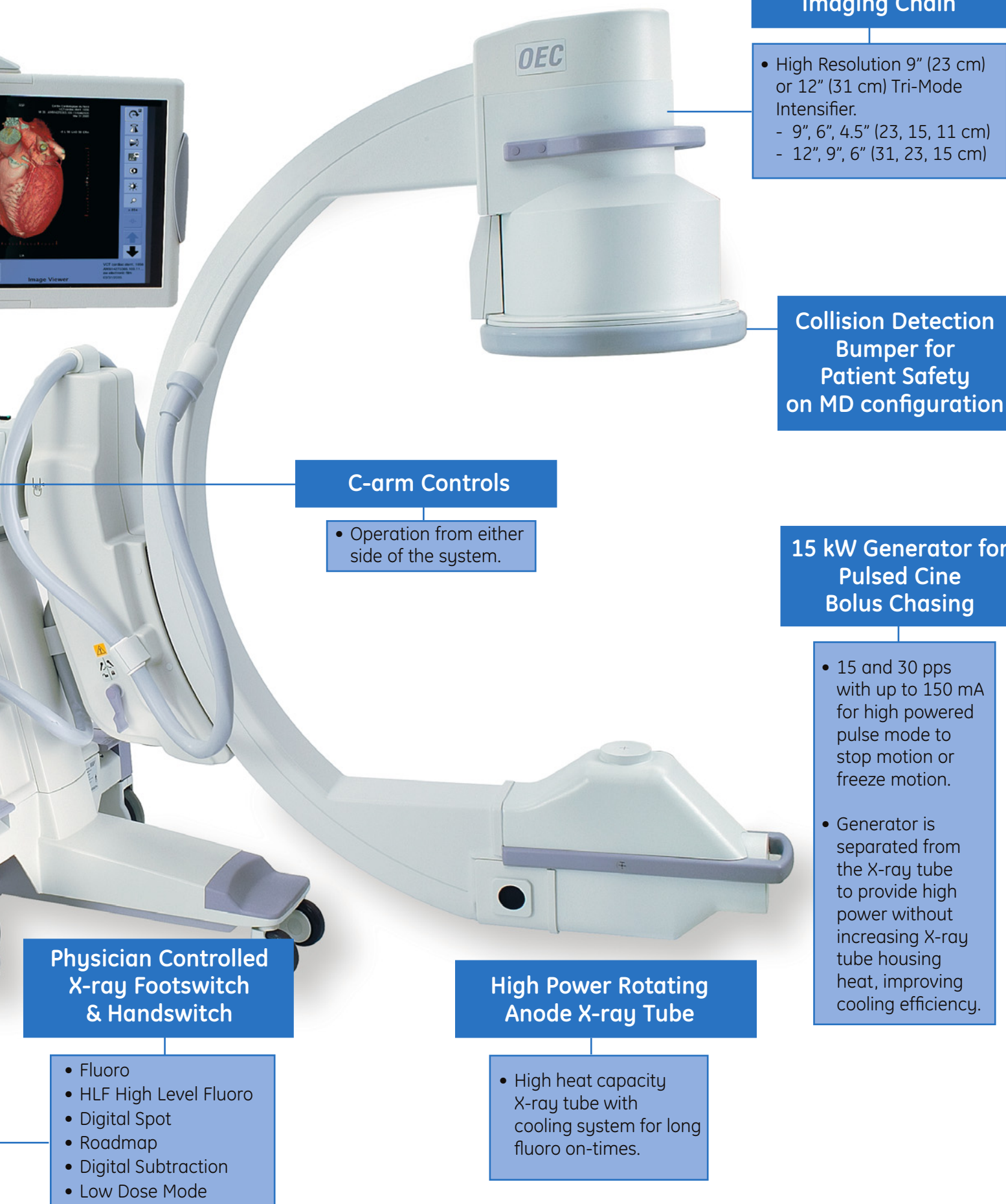
Easy Archiving & Documentation

- DICOM 3.0 internal interface with Query and Retrieve standard.*
- On-board DVD/CD Read and Write capability.
- On-board Paper or Hard Copy Film Option.



* DICOM options vary outside the United States.

ear difference.



1k² High Resolution Imaging Chain

- High Resolution 9" (23 cm) or 12" (31 cm) Tri-Mode Intensifier.
 - 9", 6", 4.5" (23, 15, 11 cm)
 - 12", 9", 6" (31, 23, 15 cm)

Collision Detection Bumper for Patient Safety on MD configuration

C-arm Controls

- Operation from either side of the system.

15 kW Generator for Pulsed Cine Bolus Chasing

- 15 and 30 pps with up to 150 mA for high powered pulse mode to stop motion or freeze motion.
- Generator is separated from the X-ray tube to provide high power without increasing X-ray tube housing heat, improving cooling efficiency.

Physician Controlled X-ray Footswitch & Handswitch

- Fluoro
- HLF High Level Fluoro
- Digital Spot
- Roadmap
- Digital Subtraction
- Low Dose Mode

High Power Rotating Anode X-ray Tube

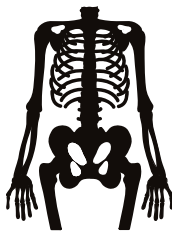
- High heat capacity X-ray tube with cooling system for long fluoro on-times.

Precision Imaging...The DRM Advantage

Profile



General



Orthopedic



Spine



Vascular

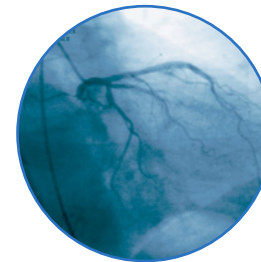
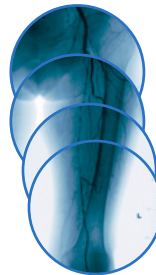
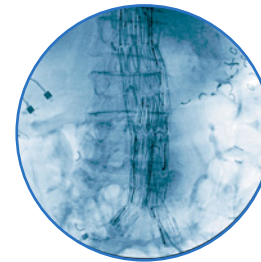
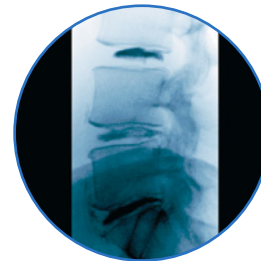
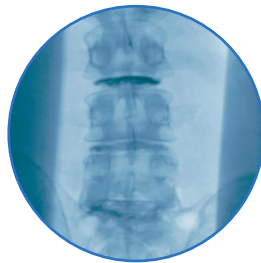


Bolus Chase

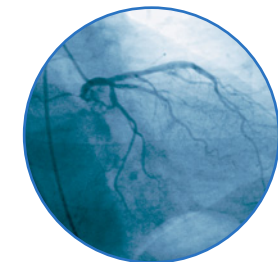
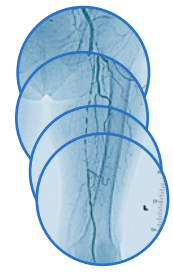
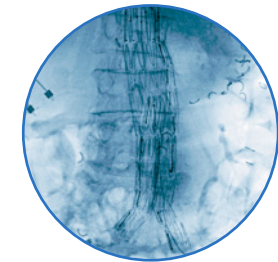
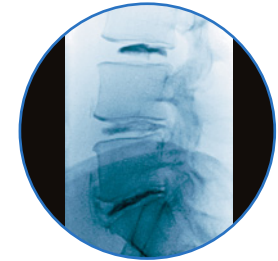
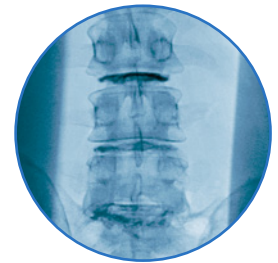


Cardiac

Conventional OEC Image



OEC 9900 Elite Image





Making advanced image transfer easy.

With its improved DICOM functionality and DVD/CD standard, the OEC 9900 Elite makes image transfer and recording simpler than ever.



Access and store images with DICOM. Search network or local cache using worklist.



Retrieve other DICOM images (CT, MRI, ultrasound, etc.) in their native format direct to the workstation.

The OEC 9900 Elite's integrated DICOM* 3.0 interface connects easily to a hospital's network for advanced information management that helps you provide better, more timely patient care.

You can query your network's DICOM worklist for patient information or search by date to retrieve prior imaging studies from other modalities right to the workstation in their native format. Send images from the workstation to your hospital's central archiving or PACS system or to any network printer.

The built-in DICOM viewer allows various image manipulations like adjusting contrast and brightness, zooming to areas of interest, or rotating and flipping retrieved images.





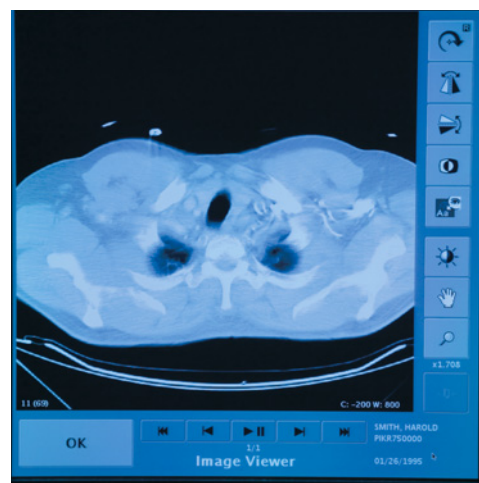
Puts on-board printing to Sony's film and paper printer at your fingertips.

Produce DVDs and CDs at a fraction of the cost of film, SVHS or DAT tape. From over 700 single images on a CD to over 5,000 single images or 2-1/2 minutes of streaming video on a DVD (based on typical image resolution in uncompressed image format) you can more efficiently manage your patient case information. A built-in DICOM viewer makes presentations of your images a snap.

An optional on-board film and paper printer provides hard copy documentation and laser-camera-quality images instantly – without darkroom film processing and expense.



Standard DVD/CD recording with built-in viewer and extensive storage capacity.



DICOM image viewer software enables manipulation of retrieved multi-modality images.

* DICOM options vary outside the United States.

The value added difference.

OEC service and training programs will maximize return on your investment.

OEC training and service programs are designed to ensure the ongoing quality and reliability of your OEC systems. Every OEC 9900 Elite includes expert installation and on-site Clinical training.

A certified Clinical Specialist stays with your staff during your initial orientation and training, and our specialized in-service instruction provides CE credits for your staff. Our unique Clinical Excellence program provides you with electronic training that can be shared with your current and future staff members.

Our dedicated team of more than 200 Field Service Engineers is made up of focused experts dedicated to servicing OEC systems correctly the first time (average 90% fixed right the first time). Having engineers in all 50 states and a 30-minute call-back commitment means we're there for you when you need us. OEC systems maintained and running at peak performance are better for you and better for your patients.

To utilize your C-arm's power and performance, choose the service offering* that best fits your needs. Our full-service, Primary Care coverage boasts a 97% uptime guarantee with scheduled preventative maintenance and offers many benefits including remote connectivity and unlimited parts and labor features. Limited Service coverage is also available and provides technical phone support, back-up on-site support and discounts on GE parts and accessories.

Quality plus experience equals Peace of Mind

Expert Field Service Engineers averaging 16 years of experience and fulfilling more than 14,000 hours of training each year. Dedicated Clinical Specialists training more than 15,000 surgeons and technologists each year. Genuine OEC factory tested and certified parts. Service and training programs designed to give you easy access and provide ongoing support. Add it up and you can see your investment working for you and your patients.

Nine out of ten customers surveyed would recommend OEC Service to a colleague.



* Service options may vary outside the United States.

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Healthcare Re-imagined

GE is dedicated to helping you transform healthcare delivery by driving critical breakthroughs in biology and technology. Our expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, and biopharmaceutical manufacturing technologies is enabling healthcare professionals around the world discover new ways to predict, diagnose and treat disease earlier. We call this model of care “Early Health.” The goal: to help clinicians detect disease earlier, access more information and intervene earlier with more targeted treatments, so they can help their patients live their lives to the fullest. Re-think, Re-discover, Re-invent, Re-imagine.

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imagination at work