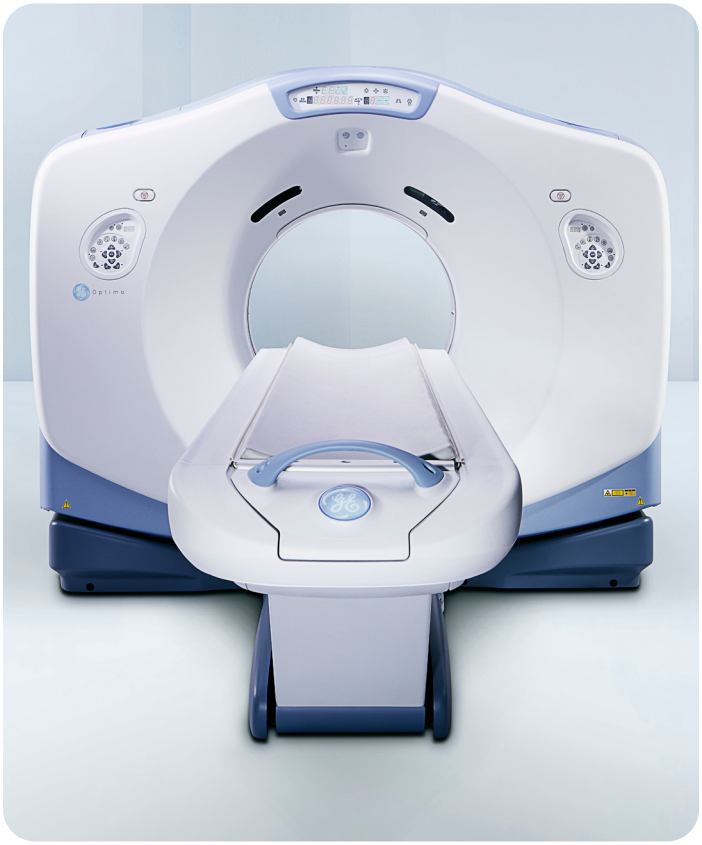
GE HealthCare

GoldSeal™ Optima™ RT System Multi-Purpose CT Scanner

The GoldSeal Optima RT system is a multi-purpose wide bore CT scanner that meets virtually all your needs in radiation therapy planning and simulation, diagnostic, interventional and bariatric imaging.

This product was designed to meet the demanding needs of radiology and trauma imaging departments. While facilitating routine scans, the scanners distinctively designed 80 cm wide bore offers more access for large patients and interventional procedures, helping to make extremely demanding procedures more routine.

The system allows imaging of bariatric patients, up to and including patient populations with BMI >40. This product provides routine 16-slice acquisition without image noise or coverage compromise.



Gantry

- Aperture: 80 cm
- Maximum scan field of view (SFOV): 50 cm
- Maximum display field of view (DFOV): 80 cm
- Rotational Speeds: 360 degrees in 0.5, 0.6, 0.7, 0.8, 1.0, 2.0, 3.0 and 4.0 seconds
- Integrated breathing lights and countdown timer
- Integrated start scan button with countdown timer to indicate when x-ray will turn on

X-ray tube: Performix™ Pro VCT 100

- Metal-ceramic tube unit
- 8.0 MHU

High voltage generator

- Output Power: 100 kW
- kV Range: 80, 100, 120, 140 kV
- mA Range: 10 to 800 mA, 5 mA increments

Patient table options

- VT 1700 table with 500 lb (227 kg) weight limit
- High capacity table with 650 lb (295 kg) weight limit

Imaging chain

- HiLight Matrix II Detector
- Volara™ Digital DAS (Data Acquisition System)
- The two 19-inch monitors support scan and recon, as well as image display, processing, analysis and management.

Smart MAR 2.0

Smart MAR 2.0 metal artifact reduction software helps reduce photon starvation, beam hardening and streak artifacts caused by high Z material in the body.

Smart MAR 2.0 offers:

- Exceptional image quality by reducing metal artifacts using a novel three-step, sinogram based iterative algorithm
- Streamlined workflow by requiring only one scan, making the process of obtaining a corrected image fast and efficient
- Versatility in imaging by offering the ability to scan across a range of metal sizes including but not limited to hip implants, dental fillings, screws and other metal objects
- Integrated with MaxFOV for reconstruction out to 80 cm DFOV

ASiR™ (Adaptive Statistical Iterative Reconstruction)

ASiR is a reconstruction technology that enables clinicians to optimize scan image quality parameters for optimized pixel noise standard deviation and radiation dose. The ASiR reconstruction algorithm may allow for reduced mA in the acquisition of diagnostic images, thereby reducing the dose required. The CT technologist can acquire a scan using auto ASiR guidance, which allows the scanner to automatically select the ASiR level by selecting a dose reduction percentage.

In clinical practice, the use of ASiR may reduce CT patient dose depending on the clinical task, patient size, anatomical location and clinical practice. A consultation with a radiologist and physicist should be made to determine the appropriate dose to obtain diagnostic image quality for the particular clinical task.

Dose Check

Dose check provides the user with tools to help them manage CT dose in clinical practice and is based on the standard XR-25-2010 published by The Association of Electrical and Medical Imaging Equipment Manufacturers (NEMA). Dose check provides the following:

- 6000 Image Option sw key
- Data Export
- Helical Tilt
- MAX FOV option key
- Large Image Series
- Enhanced Recon (optional)
- Large IBO (optional)
- Auto MA
- Interchange (optional)
- Direct 3D
- DMPR

Note: System includes CT Smart Workspace Desk

JB11519XX

Console applications

- Volume Viewer
- AW VA2, VR2 & Nav2
- Volume Analysis
- Volume Rendering
- Navigator Software
- Advantage 4D
- Prospective gating
- ConnectPro HIS/RIS
- Lung Cancer Screening
- SmartSpeed for Optima widebore
- Prospective Gating
- SmartPrep™ formix

DICOM 3.0 Network — Advantage Net — InSitePoint-to-Point — TCP/IP (for System Administration)

DICOM Conformance Standards: DICOM 3.0 Storage Service Class – Service Class User (SCU) for image send – Service Class Provider (SCP) for receive – DICOM 3.0 Query/Retrieve Service Class – DICOM 3.0 MOD Media Service Class - DICOM 3.0 Storage Commitment Class Push – DICOM 3.0 Modality Worklist (incl: Performed Procedure Step) (through ConnectPro) – DICOM 3.0 Print

Available training

- Onsite clinical applications training
- TiP™ Virtual Assist remote training

Warranty

Includes one year warranty for tube and system.

NEMA XR 29-2013 standard

This product is compliant with the NEMA XR 29-2013 standard.

Contact us

GoldSeal systems are quoted subject to availability. To confirm current availability of systems or additional options in your region, contact your GE HealthCare representative. Your access to quality medical imaging is our priority. Get the most for your budget by choosing GoldSeal today. If it meets our standards, we know it will meet yours.

Learn more at www.gehealthcare.com/goldseal

Good Refurbishment Practice

The GE HealthCare GoldSeal process is consistent with Good Refurbishment Practices (GRP) for medical imaging equipment established by the International Electrotechnical Commission (IEC). The IEC / PAS 63077:2016(E) describes and defines the process of refurbishment of used medical imaging equipment and applies to the restoring of used medical imaging equipment to a condition of safety and effectiveness comparable to that of new equipment.