



2004 PHILIPS GEMINI PET/CT

Philips GEMINI PET/CT Scanner (Philips Allegro 3D / MX8000 EXP) from 2004

- The **GEMINI PET System** is a full ring three-dimensional whole body scanner. State-of-the-art technology enables the qualitative and quantitative measurement of metabolic processes and bio-distribution of positron emitting radionuclides. Revolutionary PIXELAR™ detector technology uses ultra-fast GSO (gadolinium-oxorthosilicate) crystals. These detectors in combination with high speed processing electronics deliver outstanding performance in terms of image quality, patient comfort and throughput.
- The **GEMINI CT System** is a state-of-the-art dual slice CT scanner. The dual slice detectors combined with high-speed rotational capability improve CT image quality by reducing patient motion. Additionally, the dual slice technology coupled with increased table motion length increases overall axial scanning coverage. Slice thickness minimum 0.5 mm and 0.5 sec. full 360-degree sub-second scan mode. 100 sec maximum scanning time in continuous rotation. New X-Ray Tube installed in the year 2007.
- SYNTEGRA Image Fusion Package (software package provides automated multimodality image registration for the PET - view workstation).
- DICOM – communication and print with Gemini
- GEMINI-CT 18" high-resolution flat panel LCD Monitor
- GEMINI Workstation UPS on-line power protection for CT Console and PET –view server (approx. 30 min. runtime)
- GEMINI Power Conditioner 100kVA for voltage regulation and surge suppression
- CR-ROM Read / Writable Drive
- MOD Magneto Optical Disk Drive with 9.1 GB capacity (unformatted) for archive and restore of patient data
- Network Remote Workstation, this is an additional network remote workstation for use with an ALLEGRO full ring PET scanner of GEMINI PET/CT scanner. This workstation provides the ability to perform PET data processing and review independently from the operation of the primary PET – view workstation.
 - SUN™BLADE 2000 Dual Processor High Performance Workstation
 - 73 GB Hard Drive
 - High Resolution Review and Processing Console
 - PETView™ processing, display and analysis software
- GEMINI-CT UltraHi Matrix ultra high-resolution reconstruction matrices of 768 x 768 and 1024 x 1024 for Philips MX8000 CT. This facility enables ultra high – resolution scanning in large fields of view. This package is ideal for lung and temporal bone imaging.
- GEMINI CT Slave Monitor 18" high-resolution flat panel colour monitor
- GEMINI CT CD Writer
- GEMINI CT Application Software GEMINI CT Functional, 4D Volume Rendering, Voyager Virtual Endoscopy Workstation.

Available in Europe

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For more information, please contact us by email at info@radiologyonesource.com or call +1.615.577.1717