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The Brilliance CT 64 channel configuration package embodies completely the philosophies of sense and simplicity applied to more effective patient care. With a range of new and targeted advancements, including low-dose cardiac imaging, 3D volume software and expanded portal capabilities, this system takes the raw capabilities of volume imaging and makes them work harder for patients by making the physician's work easier. This is the system for those who want the latest CT can offer, and realize productivity is an integral component of results.

Top Reasons to Choose Brilliance CT, 64-channel configuration

- **Expand clinical boundaries in cardiac, pulmonary, trauma, and pediatric imaging.**
- **DoseWise design focuses on lowering radiation dose for patients and staff.**

- **Acquire 40mm of coverage in every rotation with submillimeter isotropic accuracy.**
- **Best-in-class reconstruction speeds using 3-D cone beam reconstruction.**
- **MRC X-ray tube eliminates waiting times between scanning sequences.**

Technical Specifications

- **The Philips MCR X-ray tube now includes a Segmented Anode, Smart Focal Spot and Spiral Groove Bearing. The Segmented Anode provides improved reliability for short high power scans and rapid cooling. The Smart Focal Spot employs a dynamic focal spot to increase spatial resolution. The Spiral Groove Bearing provides an extremely stable focal spot required for high resolution imaging.**
- **NanoPanel tile detectors are also part of the image quality equation. Their miniaturization improves signal-to-noise ratio resulting in noticeably crisp, clear images. When coupled with the new SmartSpot X-ray tube, spatial resolution can be as high as 24 lp/mm in ultra high resolution mode.**
- **The RapidView Reconstruction features true 3D Cone Beam Reconstruction (COBRA), Adaptive Multi-Cycle Reconstruction, Ultra High Resolution Matrices and the Intel Quad-Core Processors. COBRA provides a solution to poor reconstruction assumptions with large collimations. For cardiac imaging, Adaptive Multi-Cycle optimizes the temporal resolution of every voxel in the dataset. Ultra High Resolution Matrices supports the reconstruction and visualization of datasets up to 24 lp/cm. Finally, the new Quad-Core processors, along with the Philips exclusive 3D back projection board, enable reconstruction of 75% of factory protocols in under one minute.**

All attempts have been made to ensure accurate data. Medical Imaging Resources, Inc. assumes no responsibility for any unintentional errors or omissions.