

NEW PRODUCTS

■ Fiber Optic Laser Patient Positioning System



Gammex Laser Corp. introduces Chest-A-Line IV, a laser positioning system that projects four vivid red lines from a single output head. The lines offer significant improvement over the cross hair shadows of some collimators. The system is easily adaptable and can be installed in all X-ray rooms including those with wall-mounted cassette holders. A flexible fiber optic cable permits installation of projection heads on moving components while the laser generator can be located in a convenient, remote location. Fiber optics does not interfere with the operation of other equipment as it carries no electrical power. A small projection head beams laser lines that are visible in normal and ambient light and provide assurance that a study will not need to be repeated due to improper positioning. *Len Bader, Gammex Lasers Corp., P.O. Box 26708, Milwaukee, WI 53226. (414) 258-1333, (800) 426-6391.*

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■ Dry-Process Imaging System

Polaroid Medical Imaging Systems announces the Polaroid Helios Model 810 Laser Imaging System, a dry-process digital laser imaging system that requires no darkroom or wet chemicals. The system produces images in about 90 seconds that are almost indistinguishable radiologically from conventional black-and-white films. It interfaces directly to ultrasound and nuclear medicine systems through analog or digital connections. The laser imager employs a new carbon-based proprietary imaging medium that contains no silver halide and can therefore be handled in daylight. Each sheet of film is composed of an imaging layer sandwiched between two

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transparent polyester base layers. After exposure to a high-power laser diode, the polyester layers are automatically peeled apart, revealing the image on the 7-mm layer. The thicker polyester layer is the industry-standard 7-mm base, available in either blue tint or clear. Equal in size to a photocopier machine and weighing about 150

■ Whole Body PET Imager

The new 4096 Plus whole body PET imager by GE Medical Systems provides image resolution and uniform sampling in all three dimensions. The imaging table is positioned close to the floor for easy patient handling and a rotating pin source allows for shorter patient study time and faster system calibration. The system's data acquisition processor supplies a histogram acquisition mode with count rate performance, variable-rate dynamic acquisition, list mode acquisition, and a gated histogram acquisition mode with forward, backward, and phasic framing. For more experienced users, there is an efficient command-mode user interface and for those less experienced, there is a window-based user interface. The system's workstations and network make it possible to simultaneously

acquire, reconstruct, process, film, and archive images at 12 independent workstations. New image display and analysis software based on an industry standard window-user interface provides capabilities for image pan and zoom, region-of-interest measurements, time-activity curve creation and processing, 3-D image manipulations, and a learn mode for defining user protocols. New cardiac analysis software provides cinematic, short/long axis, four chamber and polar coordinate display, along with analysis of cardiac perfusion and viability, cardiac function, and kinetic physiological processes. *GE Medical Systems, P.O. Box 414, Mailcode W-462, Milwaukee, WI 53201. (414) 544-3546 or (800) 433-5566.*

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