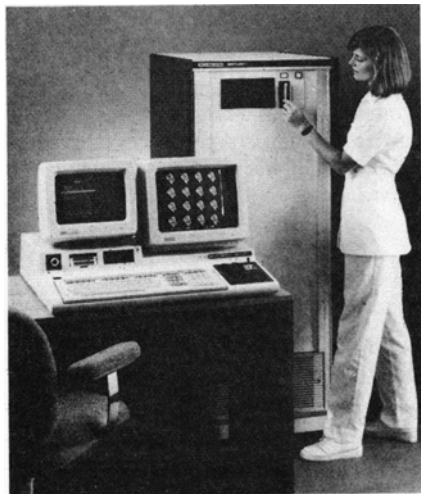


# New Products

*Each description of the products below was condensed from information supplied by the manufacturer. The reviews are published as a service to the professionals working in the field of nuclear medicine and their inclusion herein does not in any way imply an endorsement by the Editorial Board of the Journal of Nuclear Medicine Technology or by The Society of Nuclear Medicine.*



## Saturn Nuclear Medicine Data System

Technicare's new Saturn nuclear medicine data system is the most powerful data processing system in nuclear medicine. The system operates on any of three skill levels to accommodate the needs of a given operator and features AT&T's new WE-3200™ 32-bit microprocessor. Coupled with an industry-standard VME bus, the microprocessor provides true 32-bit address and 32-bit data communication.

The Saturn also features an AT&T System V™ compatible real-time

operating system that is programmable in language "C" or MEDI-BASIC, 55 megabyte, Winchester hard disk, and 512K image processing memory. Upgradeable options include 4-megabyte image processing memory, larger Winchester disks, and an array processor.

The Saturn concept is to provide the nuclear medicine community with a system designed to handle the clinical requirements of today as well as the diagnostic needs of the future.—*Technicare Corporation, 29100 Aurora Road, Solon, OH 44139.*

Circle Reader Service No. 30

## SX Series Detector Stands

Picker International introduces the SX Series nuclear medicine detector stand product lines. Compatible with its analog and digital gamma camera offerings, the SX Series is available with conventional round detectors or the new Picker square detectors.

The SX stands provide maximum versatility for high resolution planar imaging, single or dual-pass wholebody applications, and transorbital detector tomographic imaging. The SX stand series offers a choice of configurations to meet all nuclear medicine imaging requirements.

Designed to make maximum utilization of floor space, the SX series stands are upgradeable for the addition of other imaging modalities as requirements change.

SX stand motions are DC motor driven. Head and yoke are counter-balanced for speed and efficiency of operation. A portable pendant places controls at the operator's fingertips and allows the operator to be near the patient for safe positioning. Solid gantry construction ensures precise and accurate detector positioning to minimize

reconstruction artifacts. Built-in contact sensors in the yoke and detector face automatically stop stand motion if contact is made with any surface.

Picker has also introduced a new square detector for nuclear medicine imaging. This detector allows imaging near the surface of the patient's head without shoulder and arm obstruction. The improved anatomical access allows for full field cerebral and cardiac imaging. The detector, measuring 20 inches diagonally, is the same format as the image screen providing optimum data efficiency and improved sensitivity. Compatible with Picker's analog and digital gam-



ma camera offerings, this detector provides improved sensitivity, high image resolution, and 30% more imaging area than conventional round detectors. The detector is equipped with 60 photomultiplier tubes with a 3/8 inch- (9.4 mm) thick crystal.—*Picker International, 12 Clintonville Rd., Northford, CT 06472.*

Circle Reader Service No. 31

## Uniformity and Resolution Upgrades

Diganostix Plus announces uniformity and resolution upgrades for older Ohio nuclear gamma cameras. Series 100 and 110 cameras can be brought to "state of the art" performance with a DUFC uniformity correction circuit and replacement detector including high resolution PMTs and new crystal. Include one or more hexagonal foil collimators and gain the benefits of resolution, speed, and uniformity of new camera systems at approximately one-third the price. Entire systems are also available at greatly reduced prices.—*Diagnostix Plus, Inc., P.O. Box 1058, New Hyde Park, NY 10040.*

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