Introducing the TargetScan 3D image acquisition and targeted biopsy system...

The system allows a physician to acquire true 3D image data, manipulate it, and precisely plan and undertake a multi-sample biopsy of a targeted tissue mass in the prostate. TargetScan gives a physician the ability to plan and execute a well distributed targeted biopsy.

Without moving the device, a full scan of the entire prostate can be taken in seconds, in 1mm increments, by pressing a single button. Physicians will enjoy a level of precision critically important for Prostate imaging, targeted biopsy, procedure planning and treatment delivery.
TargetScan Benefits

- True 3D image acquisition
- Patented linear bi-plane scanning
- Solid volume 3D data acquisition
- Automated Transducer movement
- Fixed position probe for hands free imaging
- Stable, locking treatment platform and side firing probe eliminates prostate shift/movement
- Planned Biopsy System
- Targeted Biopsy System
- Fixed needle system for targeted biopsy
- Digital procedure control and data storage
- Repeatable probe, scan and target position for each patient
- Specifically designed for next generation targeted treatments
- Directed Biopsy reducing randomness of sampling

Technology

System components include:

- Patented endorectal probe with multi-plane mechanical transducer with bi-planar imaging capability
- PC based digital hardware incorporating proprietary software platform for comprehensive imaging, planning, targeting and data storage/retrieval
- Targetscan controller, with Image Plane Visualization positioner, for fully automated transducer movement and precise scanning control
- Targeted biopsy system with single use needle and guide and multi-position probe carriage providing full sagittal and transverse access to the target site
- Targetscan platform providing stable/fixed probe positioning

Specifications within are subject to change.