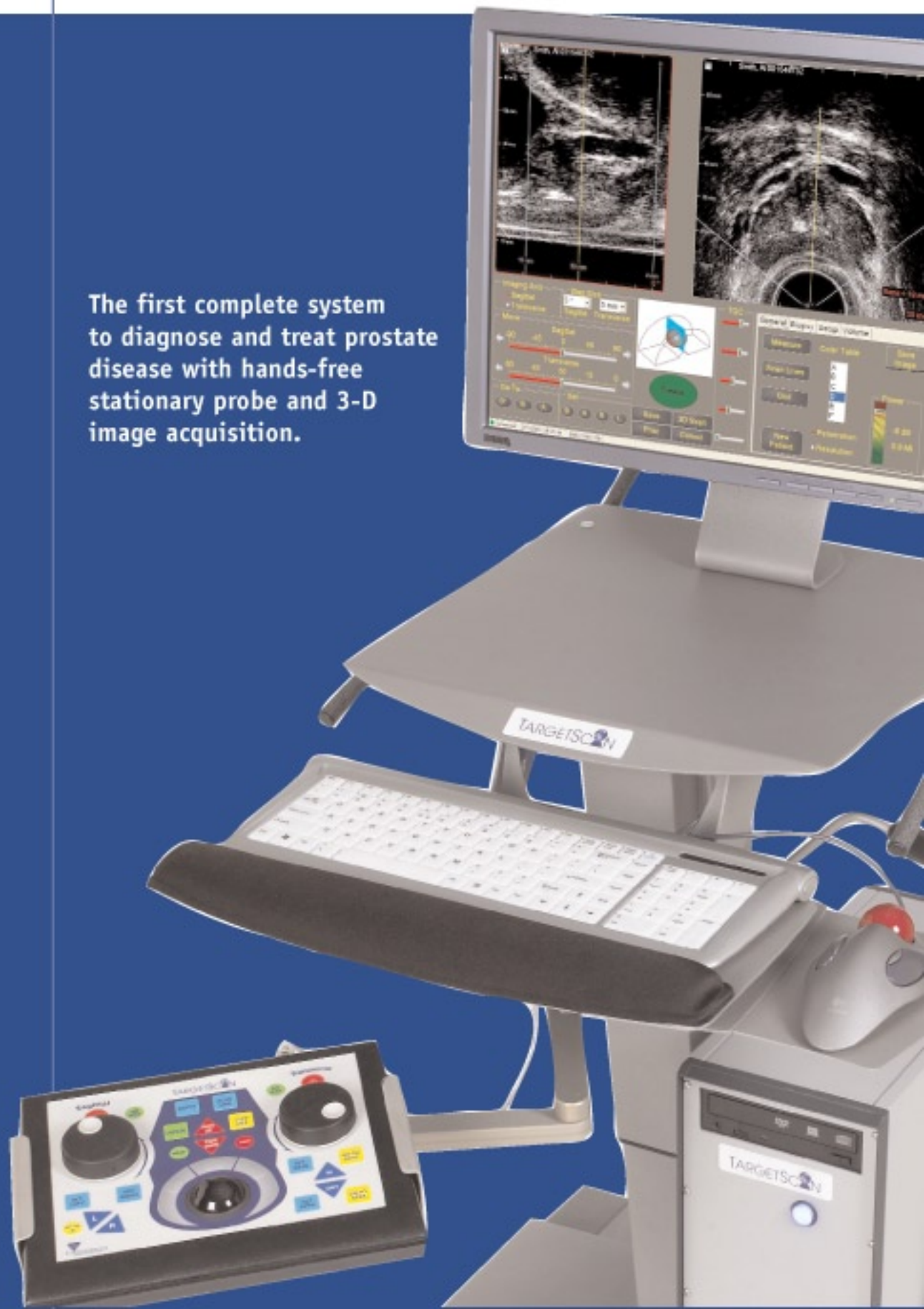


TARGETSCAN™

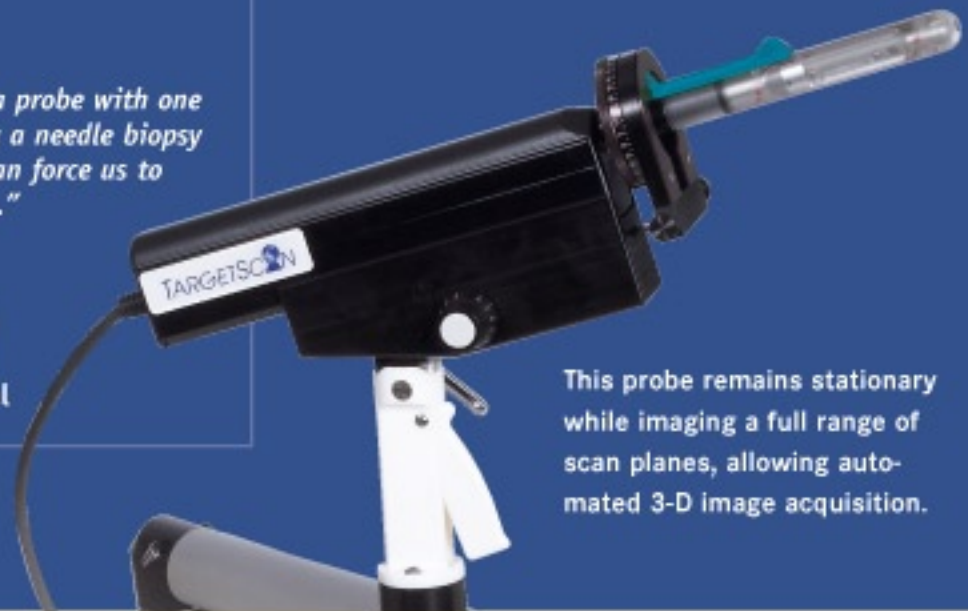
The first complete system to diagnose and treat prostate disease with hands-free stationary probe and 3-D image acquisition.



Stationary Probe

"Holding and pivoting a probe with one hand while performing a needle biopsy with the other hand can force us to miss potential cancers."

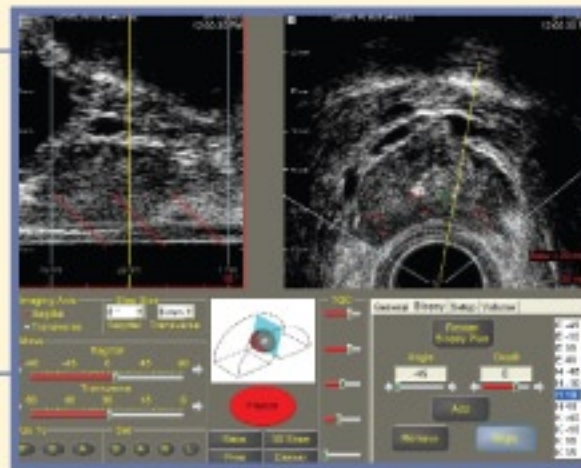
Gerald Andriole, M.D.
Washington University
School of Medicine
Barnes-Jewish Hospital



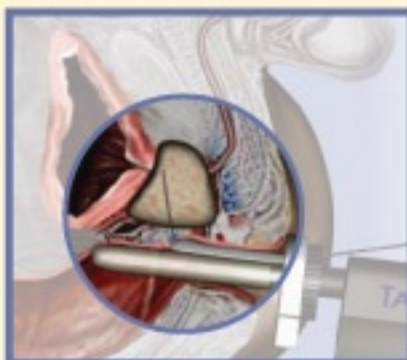
This probe remains stationary while imaging a full range of scan planes, allowing automated 3-D image acquisition.

TargetScan's Biopsy System

TargetScan gives physicians the ability to plan and execute a well-distributed, targeted biopsy.



TargetScan is able to target the preferred zones.



Stationary probe with proprietary guide and bendable biopsy needle.

TargetScan helps physicians develop a targeted strategy for biopsies in preferred zones.

TargetScan Biopsy System Advantages:

- Obtain true 3-D image acquisition.
- Plan for samples in different quadrants of prostate.
- Insert biopsy needle in preferred zones.
- Monitor needle and sample position.
- Undertake multi-sample biopsy of targeted tissue mass.
- Store images and biopsy targets in system.

Benefits:

- Rapid image acquisition.
- Full sagittal and transverse access to target site.
- Reduces procedure time.
- Complete record of biopsy sites.

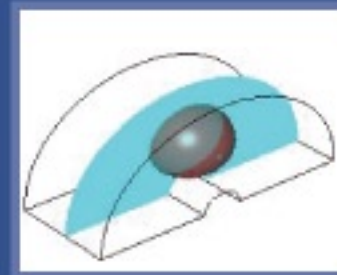
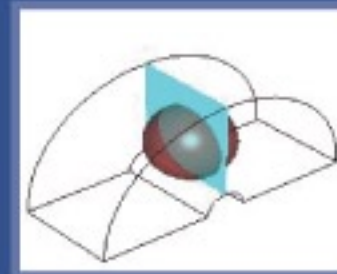
TargetScan™ by Envisioneering Medical Technologies combines 3-D image acquisition with a *stationary probe* to plan and execute targeted biopsies and cancer-treatment delivery.

Stationary Probe Advantages:

- Without moving the probe, a full prostate scan is taken within seconds.
- Plan and execute targeted biopsies.
- Automated, internal transducer movement and precise bi-plane scanning.
- 3-D, bi-planar image acquisition capability.
- Repeatable probe, scan and target position for each patient.

Benefits:

- Hands-free imaging.
- Eliminates prostate movements, which distort images.
- Obtains multi-sample, repeatable biopsies.
- Methodical sampling.



Full sagittal and transverse access to target sites.

Brachytherapy and Cryotherapy

“By eliminating the need to physically move the probe, the prostate position will be stabilized allowing for improved radioactive seed implantation and better brachytherapy clinical outcomes.”

Jeff Michalski, M.D.
Department of Radiation Oncology
Washington University School of Medicine

Equipped to meet the needs of urologists and radiation oncologists today and in the future, TargetScan is designed to support targeted cancer-treatment delivery, such as brachytherapy and cryotherapy.

TargetScan's Treatment Delivery Advantages:

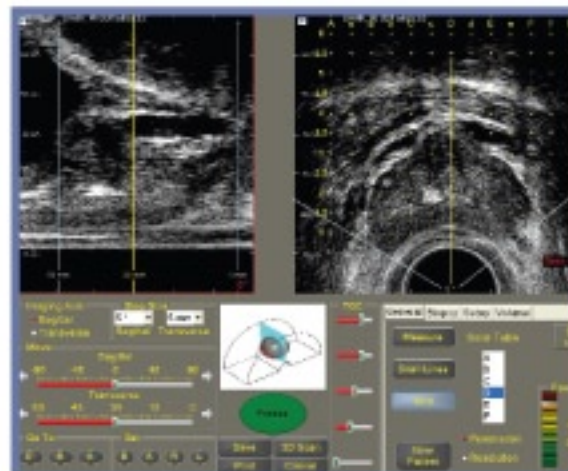
- Accurate image acquisition to identify treatment area.
- Stationary probe allows for precise treatment delivery.
- Treatment plan stored for future reference.

Benefits:

- Reduces treatment time.
- Supports less-invasive procedures.
- Reduces risk of post-treatment side effects.
- Successful clinical practice.



The control box allows physicians to move the scan plane back and forth while the probe remains stationary.



Physicians place seeds according to treatment plan, fostering precise treatment delivery.

Technical Specifications

Probe and system specs

B-Mode ultrasound
Mechanical sector
Single element transducer
Nominal frequency 6.3 MHz
Focus-38mm (nominal)
5 fps image scanning
Adjustable transmit power -24dB to 0dB

Ultrasound View Specs

Transverse

180° radial sector x 63mm penetration.

Sagittal

60mm wide linear sector X 63mm penetration.

(Unique to mechanical probes. Doesn't truncate lower part

of sagittal view like traditional radial sector sagittal views do. Allows full visualization of tissue and needles placed near the rectal wall.)

Split screen viewing allows transverse and sagittal images to be viewed simultaneously.

Ultrasound view plane movements

Transverse image plane moves from 0 to 60mm in 1mm and 5mm increments.

Sagittal image plane rotates from straight up (0°) to +/-90 degrees in 1° and 5° increments.

The only probe with moving transverse and sagittal view planes. Alleviates the need for a costly, cumbersome stepping device.



About Envisioneering Medical Technologies

Based in St. Louis, MO, Envisioneering Medical Technologies is dedicated to developing, manufacturing and marketing proprietary diagnostic and treatment technology for the physician community. Envisioneering's TargetScan™ technology combines 3-D image acquisition with a stationary probe to help physicians plan and perform targeted prostate biopsies, leading to improved diagnoses and treatments with less-invasive procedures. For more information, please visit:

www.envisioneeringmedical.com.

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