

INTELLIGENTLY SIMPLE
PROSTATE CANCER TECHNOLOGY

PROSTATE CANCER MANAGEMENT

Our vision is to improve the lives of prostate cancer patients by developing imaging technology that is accurate, efficient and accessible, enabling better diagnostics and treatment.



Accurate

Reliably targets lesions using MRI-ultrasound image fusion.



Efficient

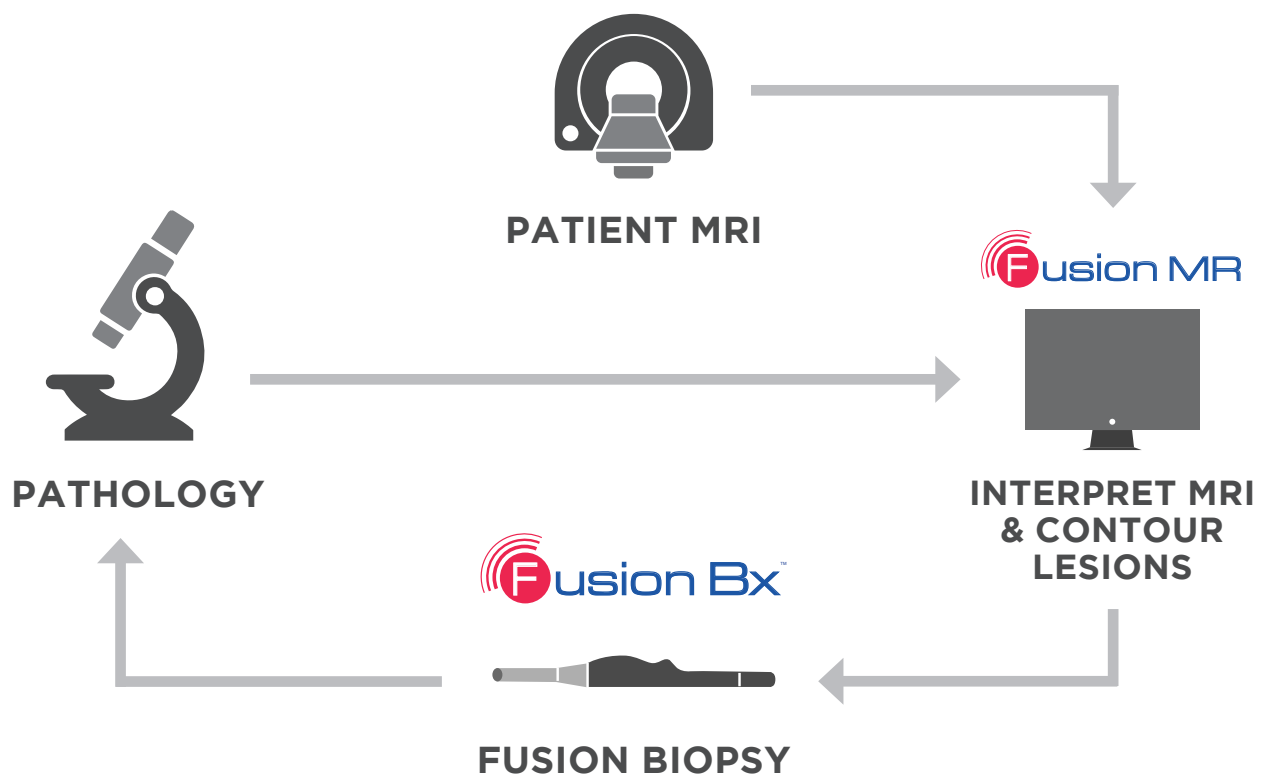
Simplified workflow minimizes training and procedure times.



Accessible

Mobile, compact and cost effective for all clinics.

FUSION BIOPSY WORKFLOW



“Focal Healthcare’s Fusion Bx device offers a more practical and simplified fusion biopsy solution. It easily integrates into my workflow and furthers our work on active surveillance.”

- DR. LAURENCE KLOTZ, SUNNYBROOK HEALTH SCIENCES CENTRE, CANADA

PROSTATE FUSION BIOPSY MADE SIMPLE

ADVANCED MECHANICAL ARM

Unrestricted range of motion allows freehand-like access to the entire gland while providing consistent probe pressure and minimizing deformation, contributing to the increased accuracy of Fusion Bx.



HANDS FREE OPERATION

Patent-pending counterbalance technology simplifies procedures by supporting the probe in any position, reducing the need for additional assistance.

MOTION COMPENSATION

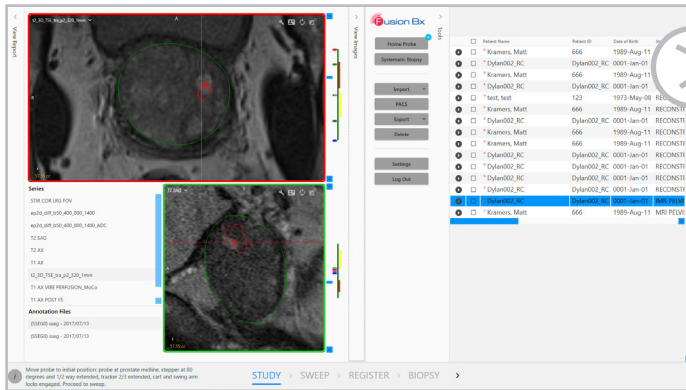
Automatic motion compensation adjusts for patient movement to maintain image registration - allowing procedures to continue uninterrupted.

UNIVERSAL COMPATIBILITY

Simple device setup allows most leading ultrasound devices and probes to be connected with ease.

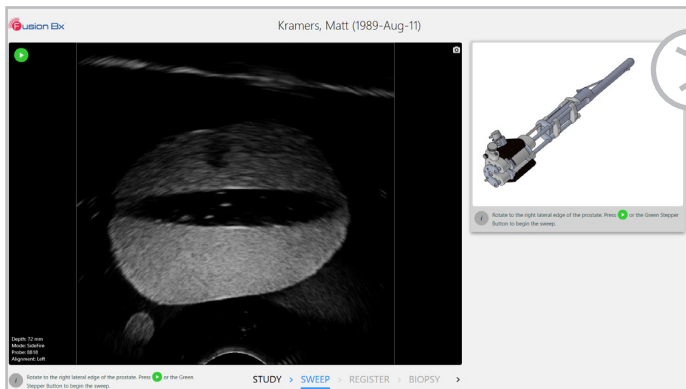
INTUITIVE INTERFACE

Fusion Bx is driven by a step-by-step guided workflow that enables urologists to perform procedures in less time and with minimal training. Moreover, buttons on the stepper allow urologists to advance through most of the procedure without having to take their hands off of the probe.



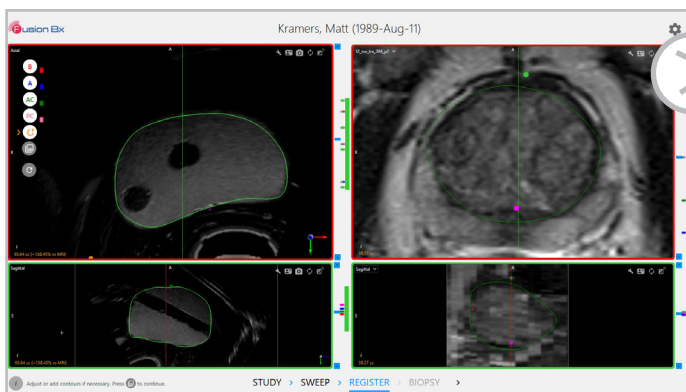
STUDY

Any patient can be selected to view images, past biopsies and reports with a few simple clicks. MRI scans can be imported from USB, DVD, network or PACS.



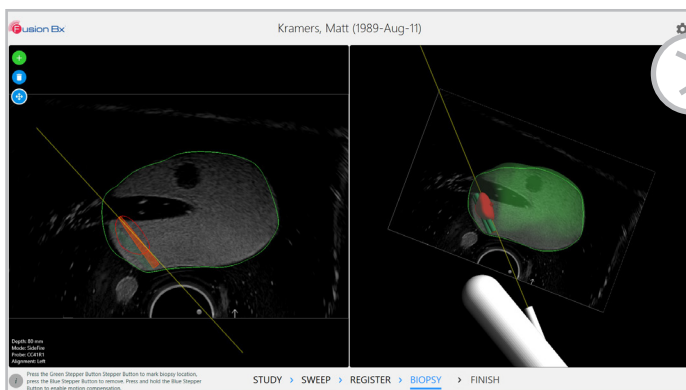
SWEEP

Images of the prostate can be acquired with a simple rotation of the ultrasound probe. A 3D model is generated from 2D ultrasound images. Both end-fire and side-fire workflows are supported.



REGISTER

Semi-automatic segmentation and selection of 4 landmarks ensure accurate registration. Elastic registration takes seconds - accounting for shape and size differences between MRI and ultrasound.



BIOPSY

Suspicious lesions from the MRI are fused with the live ultrasound and shown as targets. Use the 3D model to navigate to targets for quick and efficient biopsies.

PROSTATE MRI DIAGNOSIS AND CONTOURING

Fusion MR is software for interpreting MRIs of the prostate. This first step of the targeted biopsy procedure allows suspicious regions to be identified and contoured quickly. Contours are sent to the Fusion Bx for the fusion biopsy procedure. The intelligently simple interface enhances communication between radiology and urology.

SEAMLESS INTEGRATION

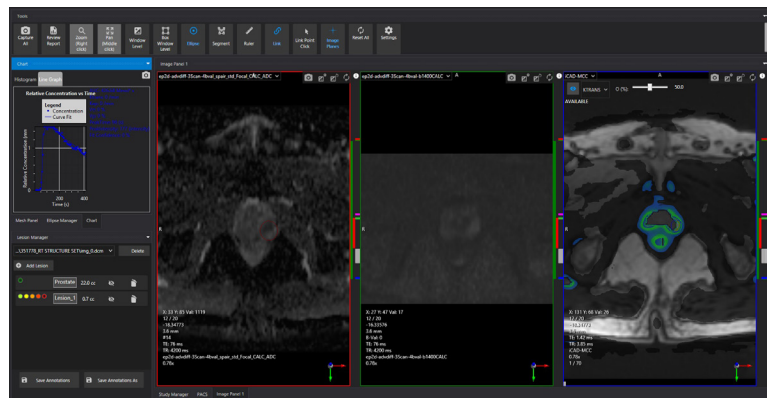
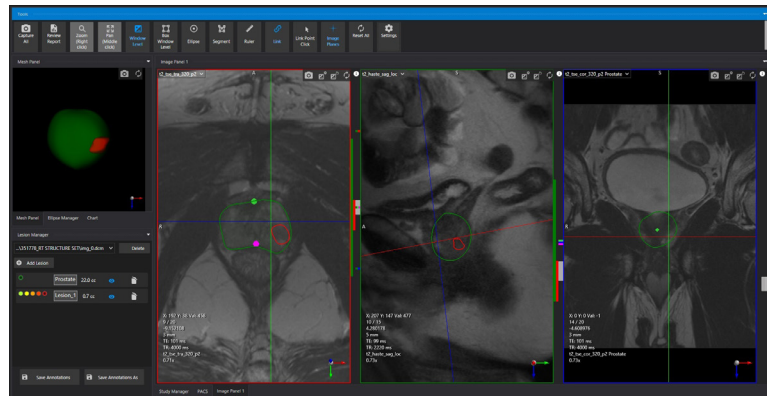
- Customized layout and hanging protocols
- PACS compatible
- No upfront cost

HIGH SPEED CONTOURING

- Supports fusion biopsy procedures
- Semi-automated segmentation
- Structured reporting based on PI-RADS v2

SOFTWARE FEATURES

- Dynamic Contrast Enhanced (DCE), pharmacokinetic maps
- Calculates ADC maps, extrapolated B-values
- Plots contrast enhancement timecourse
- 3D Mesh reconstruction



**Some features only available in Pro version.*

“ Fusion Bx was easily adopted by our clinic. Now, fusion biopsies are a part of our weekly routine. ”

- DR. WINSTON BARZELL, 21ST CENTURY ONCOLOGY, USA

BETTER PROSTATE CANCER TECHNOLOGY NEEDED

Prostate cancer will affect 1 in 8 men. The disease is widespread, but in comparison to other cancers, technology for accurate diagnosis and treatment is long overdue.

Systematic biopsies have an average cancer detection rate of only 20%, whereas biopsies using Fusion Bx detect cancer at a rate of 93% or greater for PI-RADS 4 or 5 lesions.¹

Leaders in urology and radiology agree on the importance of MRI of men with prior negative biopsy and persistent clinical suspicion.


The team at Focal Healthcare develops innovative imaging tools which simplify targeted biopsies and therapy. With the guidance of clinicians from academic institutions such as Weill Cornell University and the University of Toronto, we strive to improve the state of prostate care.



“Focal Healthcare was founded to fill the need for highly accurate, practical prostate cancer technology that is accessible to all urologists and their patients.”

- CHICUONG LA, PHD, JD
PRESIDENT AND CEO, FOCAL HEALTHCARE

1. Based on clinically reported outcomes.

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