

## 3D Real-Time MRI-Fusionbiopsy

Precise, Quick and Easy



### Key Features

- High precision "hands free" approach
- Workstation compatible with most ultrasound systems
- Extremely mobile with small footprint
- Active surveillance optimized
  - Easy link between radiology and urology
  - Stable system with one time calibration
  - Fully PACS compatible
  - Transrectal and transperineal solutions
  - Supports prostate mapping
    - Multipurpose stepper / stabilizer tracking system
    - Datatransfer to HiFu systems
- True 3D real-time fusion
- Quick and easy - up to 4 patients per hour

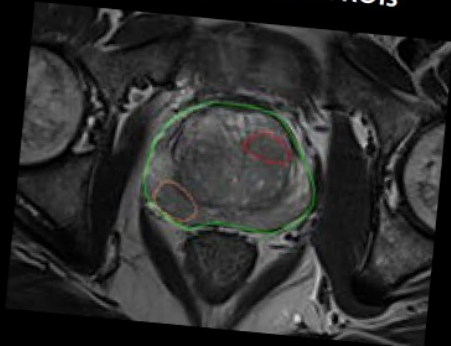


## BIOJET FUSION IN ACTION



### STEP 1

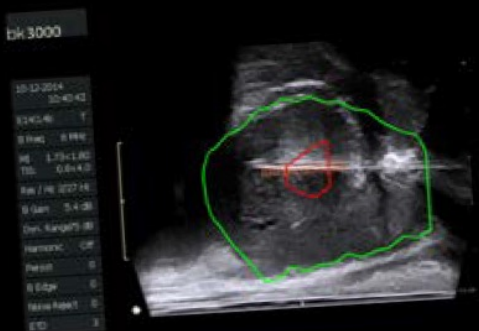
#### Contour Prostate and ROIs



Use T2 transverse MR images to contour the prostate. In a second step mark the ROIs which could be lesions or other suspicious areas.

### STEP 2

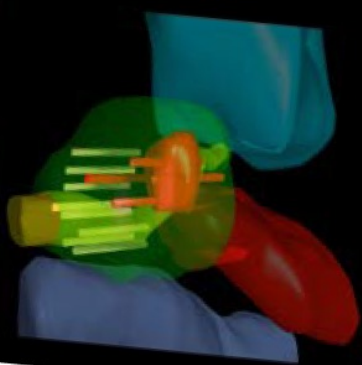
#### Real-Time Fusion Biopsy



To fuse MR with TRUS in real time move the MR contour of the prostate to match the shape of the prostate in live ultrasound. This is done in both transverse and sagittal image planes. Harvest biopsies transrectally or transperineally. A 3D model of the prostate helps to visualize the positions of the ROIs.

### STEP 3

#### 3D-Documentation



The biopsies are documented automatically and they are displayed in a real-time 3-D model. A detailed biopsy report can be generated, this report includes all the important information on the ROIs and biopsy positions. This report is fully customizable.