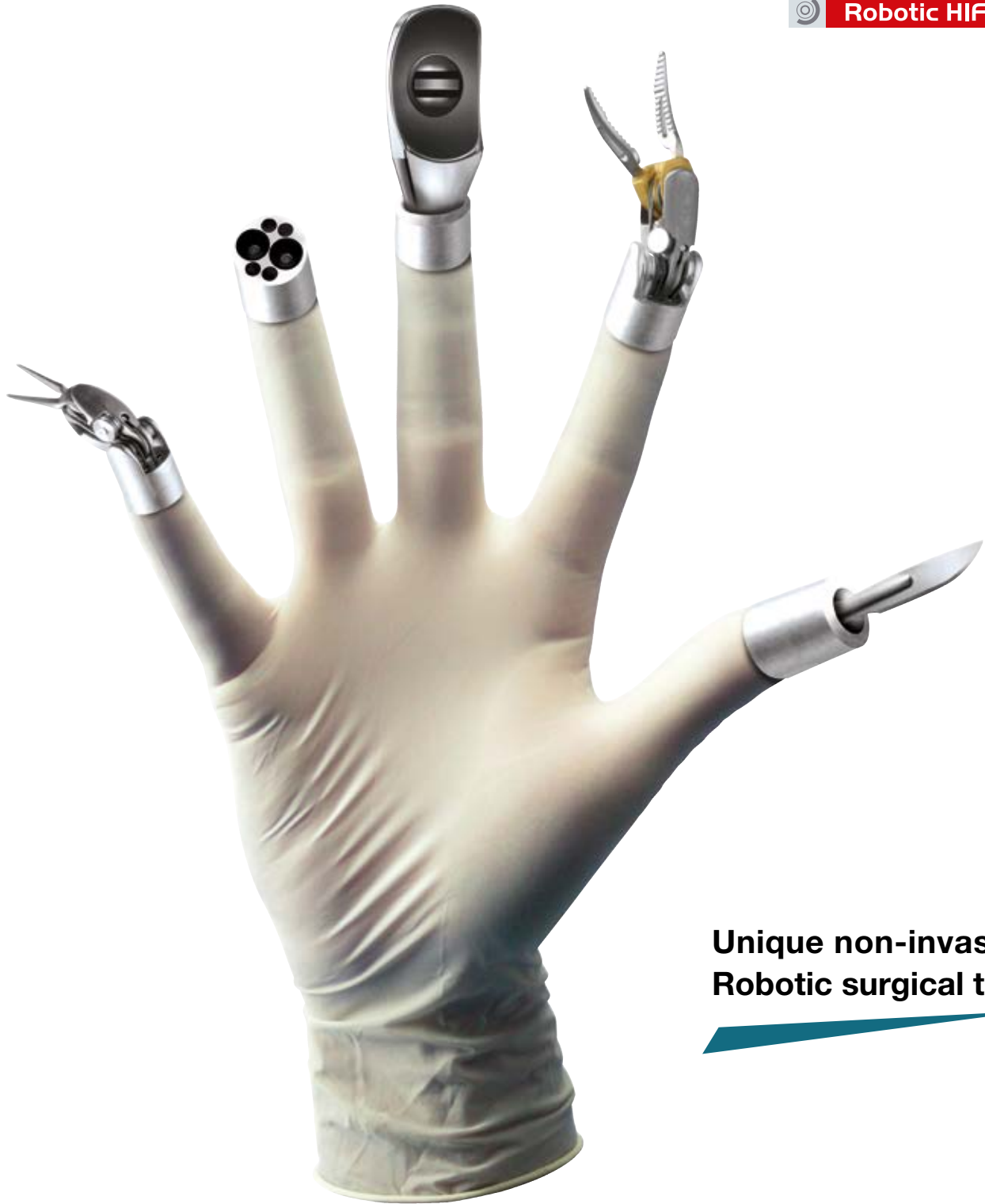


Ablatherm®
Robotic HIFU

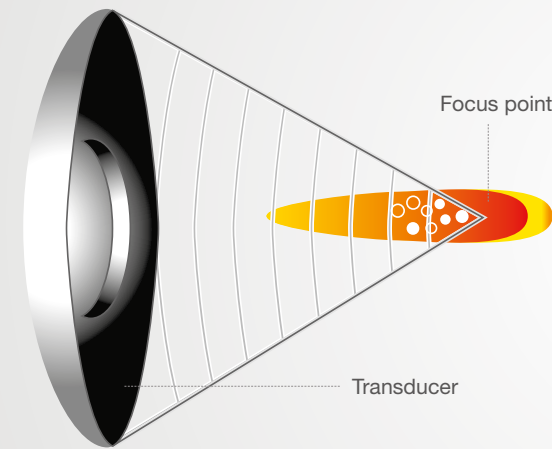


**Unique non-invasive
Robotic surgical tool**



State-of-the-art Ablatherm® HIFU technology

- Non-invasive
- Precise
- Repeatable
- Radiation free
- Truly robotic



High Intensity Focused Ultrasound principles

- Thermal effect: fast temperature rise above 80°C
- Mechanical effect: generation and collapse of gas bubbles, ruptures cell walls
- Immediate coagulation necrosis followed by fibrosis

3 steps for robotic non-invasive procedure



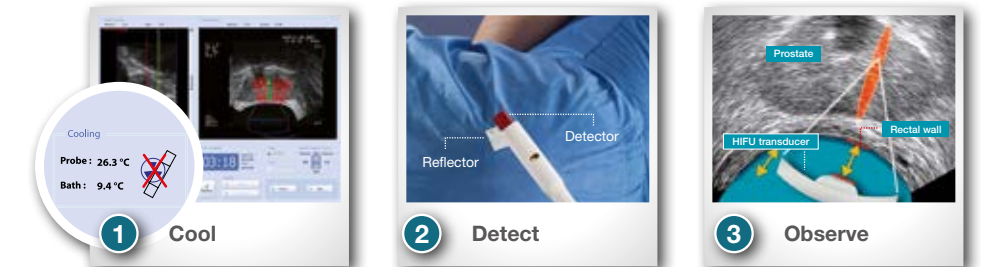
- 1 3D imaging**
 - 3D imaging of the prostate with 7.5MHz transducer
- 2 Treatment planning**
 - Fully adjustable ablation parameters to suit all prostate anatomies
- 3 Robotic ablation**
 - Robotic ablation of the prostate following the treatment plan

Treatment module
Patient bed and technology carrier



Control module
Treatment planning and monitoring

Automated Safety Features



- 1 Rectal cooling system**
 - Active liquid cooling
 - Real-time monitoring of rectal wall temperature
 - Prevention of fistulas
- 2 External patient movement detector**
 - Movements are monitored in real-time
 - Treatment is stopped automatically if a movement is detected
- 3 Fistula prevention with rectal wall monitoring**
 - Ultrasound image recognition monitors rectal wall for movements
 - Treatment automatically stops if position becomes concerning



You Master Urology

We Master Therapeutic Ultrasound

Global leader in therapeutic ultrasound and present in the market for more than 35 years, EDAP TMS develops, manufactures, promotes and distributes minimally-invasive medical devices for urology using ultrasound technology. EDAP TMS is actively operating worldwide via an extensive network of corporate offices, subsidiaries and distribution partners. By constantly investing in Research & Development and partnering with internationally renowned medical research

institutions, EDAP TMS has developed a strong valuable patent portfolio based on its innovative technologies. With its complete range of Robotic HIFU devices, EDAP TMS is the most innovative company in non-invasive ablation for prostate tissue. By combining the latest technologies in imaging and treatment modalities, EDAP TMS introduced the Focal One® (not available in the US) in 2013 as the answer to all requirements for ideal focal prostate tissue ablation as a com-

plement to the existing FDA cleared Ablatherm® Robotic HIFU. As a pioneer and key player in the field of extracorporeal shock wave lithotripsy (ESWL), EDAP TMS introduced the first modular lithotripter. The latest generation of shock wave source is utilized exclusively by EDAP TMS in its Sonolith® range of ESWL systems (Sonolith® i-sys and Sonolith® i-move).

www.edap-tms.com



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Bringing New Horizons to Therapy

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