bk ultrasound

powered by analogic

Robotic-Assisted Surgery

Innovating the Future of Ultrasound Today

Control, Precision, Performance

- Premium Image Quality
- Excellent Color Doppler with Superb Spatial Resolution and Sensitivity
- Specialized Transducers – Wider Field of View
- Unique 3D Visualization

A New Level of Precision and Access during Minimally Invasive Procedures

Advance the care of your patients with unprecedented access and a wider field of view

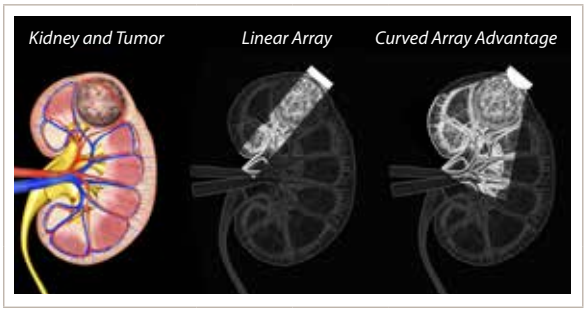
Take Control of Intraoperative Procedures

Quantum Plus Technology™ delivers high resolution real-time imaging and excellent Color Doppler with superb spatial resolution. Advanced ultrasound imaging – directly from the surgeon's console. Superior imaging technologies provide precise real-time visualization. A mobile, plug-free and maneuverable system with easy plug-and-play DVI for seamless integration of images with TilePro™ *.

flex **Focus**™ *800*
Premium image quality, maximum flexibility

Precise Image Quality for Difficult-to-Access Anatomy

Advanced transducers enable access and visualization of complex organs and difficult to access anatomical structures in real time. Small and compact, the Pro***ART***™ curved linear array 12–5 MHz transducer enables a wider field of view for faster kidney navigation and difficult-to-access endophytic and exophytic tumors. Specially designed fin ensures maximum control and organ contact. Kevlar-reinforced cable for best durability.



Linear vs. Curved Array
Curved array provides wider field of view

Superb Color Doppler and Unique 3D Visualization

Extremely sensitive color Doppler with superb spatial resolution identifies arterial and venous blood supply to the tumor in procedures where selective clamping is needed. The Pro***ART*** transducer provides uncompromised control and premium 3D images of the entire tumor during partial nephrectomies, allowing verification of tumor location, margins and depth. Unsurpassed 3D imaging enables easier identification of key anatomical landmarks and dissection planes.

Unique 3D Imaging
Renal cell carcinoma is evaluated during RAPN surgery using the Pro***ART*** *transducer and 3D Professional imaging on the flex* **Focus** *800*

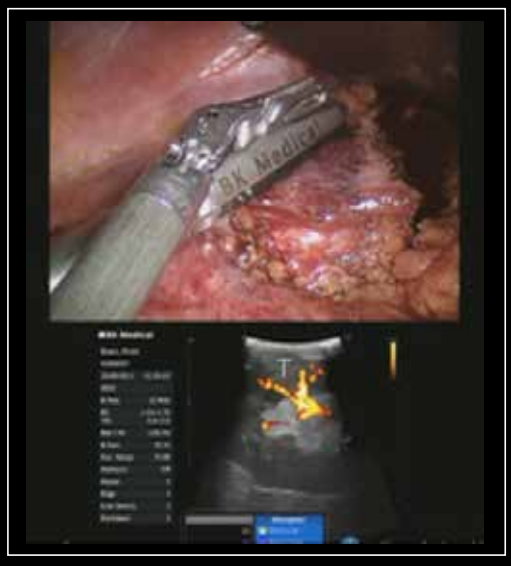
Innovating the Future of Ultrasound

In Robotic-Assisted Radical Prostatectomy, high resolution 3D***ART***™ transducer provides superb 3D visualization of the prostate including bladder neck and apex. Visualize prostate anatomy clearly in real time to potentially shorten the procedure learning curve in RARP. There is also great potential for the use of ultrasound for use in other robotic-assisted surgical procedures.

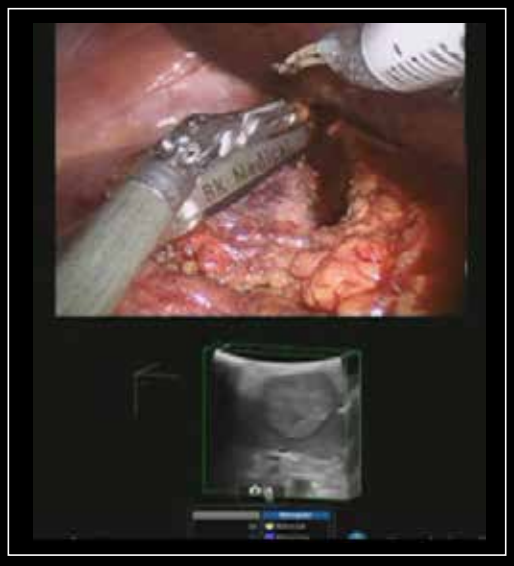
3D***ART*** ***and*** Pro***ART*** *Transducers*
Maximum control, unsurpassed 2D, 3D and color Doppler imaging

** Trademark of Intuitive Surgical, Inc.*

Premium Performance Imaging in Robotic-Assisted Surgery



The Blood Supply to a RCC Tumor (T) is Easily Seen using flex **Focus** *800 Power Doppler Imaging*



Renal Cell Carcinoma is Evaluated during RAPN Surgery using the Pro***ART*** *Transducer and 3D Professional Imaging on the flex* **Focus** *800*

What the Experts Say

World-leading experts in robotic-assisted surgery agree –Advanced Robotics Ultrasound Technology™ (***ART***™) gives surgeons a powerful way to advance robotic-assisted surgical procedures.

"This technology allows us better outcomes, and allows us to tackle more difficult, complex lesions that we would not have considered for a minimally invasive approach in the past."

Michael Stifelman, MD, Director, Robotic Surgery, NYU Langone Medical Center, New York City

"The images that this transducer produces are phenomenal. This has been a revolutionary tool for us in terms of improved care for patients. It makes our kidney surgery more accurate than ever. The transducer is particularly useful in surgery on the kidney, a complex structure on which it is difficult to operate."

Omer Karim, MD, Consultant Urological Surgeon at Heatherwood and Wexham Park NHS Foundation Trust and Proctor in Robotic Surgery for Intuitive Surgical®, United Kingdom.

"This transducer brings major advantages in that the surgeon no longer relies on an assistant for ultrasound imaging. Imaging capability and flexibility are improved. If an organization is serious and planning on a high volume of robotic-assisted surgery, investing in this technology is the right move."

James Porter, MD, Medical Director, Robot-assisted Surgery, Swedish Medical Center, Seattle

Acoustic and Clinical Innovators for Over 30 Years

Recognized as a global leader in the development of ultrasound systems designed for surgery, urology and anesthesia, BK Ultrasound offers a versatile range of state-of-the art imaging systems, technologies and dedicated transducers to help enhance diagnostic confidence and advance the care of patients.

Pro*ART* *"Drop-in" Transducer*
8826

Quantum
Technology

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BG0515-C 04/15