Only the Aloka robotically-controlled ultrasound transducer utilizes the full benefits of the precise Wrist Articulation of the robotic instruments providing significant benefits including:

- Direct surgeon control of the ultrasound probe
- Full robotic articulation to capture real-time images from every angle
- Greater accuracy and precision to ensure identification of the entire tumor surface
- Seamless integration with the robotic grasping instruments
- Ability to simultaneously view real-time ultrasound images as a picture-in-picture display
- Accessibility of the transducer from multiple ports
- Flexibility to grasp and release the probe as needed
- Proven effectiveness for minimally invasive Robot-Assisted Partial Nephrectomy (RAPN)

Aloka understands that you and your patients demand nothing but the best. As the worldwide leader in intraoperative ultrasound all of Aloka’s resources are dedicated to ultrasound innovation. From developing the world’s first commercially available diagnostic ultrasound system over 60 years ago, to today delivering yet another first with the Aloka robotically-controlled ultrasound transducer. That’s why Aloka’s commitment to surgeons allows us to offer a wide range of consoles and specifically designed transducers to meet every need. Recognized for our superior image quality, outstanding system reliability and intuitive use of cutting-edge technology, Aloka remains the standard in the field of ultrasound for surgeons.

Find Out More About Aloka
www.Aloka.com  |  203.269.5088  |  800.872.5652  |  Fax: 203-269-6075
24-Hour Service Hotline: 888.782.5652

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Aloka Leads the Way in
Ultrasound Innovation for
Robot-Assisted Partial Nephrectomy

The Innovator
in Ultrasound

Giving the Surgeon Complete Control
in Robot-Assisted Partial Nephrectomy
Complete Control. Improved Efficiency. Better Results.

1. Ultrasonic probe is introduced through a standard trocar or assistant port.
2. Surgeon engages the transducer using the robotic grasper for “Direct Control”.
3. Leverage all the benefits of the full Wrist Articulation of the robotic instruments.
4. Capture real-time ultrasound imaging, even at complex angles and difficult-to-reach areas for complete tumor identification and removal.

Providing Robotic Surgeons with Unprecedented Control

Another first from the worldwide leader in intraoperative ultrasound, Aloka has designed the first robotically-controlled ultrasound transducer giving surgeons direct control of the transducer using robotic surgery. After engaging the probe with the robotic grasper, the surgeon now completely controls the probe’s movements rather than developing a surgical assistant. From the robotic console the surgeon remotely guides the probe’s movement with greater precision, dexterity and control than ever before.

Leverage all the benefits of the full Wrist Articulation of the robotic instruments.

Full Wrist Articulation™ to Accurately Identify Tumors

The Aloka transducer utilizes the full benefits of the Wrist Articulation of the robotic instruments to capture real-time ultrasound imaging even at complex angles that are not possible with traditional laparoscopic ultrasound. This enhanced range of motion allows surgeons to access difficult-to-reach areas, such as the back of the kidney, to more accurately identify tumor location, depth and borders for distinguishing between tumor and normal kidney.

Increased Precision and Speed for RAPN

Unlike current laparoscopic ultrasound techniques that require active participation from a surgical assistant, the Aloka transducer is maneuvered entirely by the robotic surgeon. Utilizing the precise robotic instrument movements, surgeons have incredible range of motion with the robotically-controlled probe. They can navigate the entire kidney while simultaneously viewing the real-time ultrasound images on a picture-on-picture display, eliminating the need to leave the robotic console.

Real-time ultrasound imaging facilitates localization of tumor margins for precise resection.

Transducer fully articulates to reach complex angles that are not possible with traditional laparoscopic ultrasound.

Aloka’s transducer ensures comprehensive identification of the entire tumor surface.

Fully Articulating Probe
Significantly Improves Resection

Control. Accuracy. Precision.

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