



PIONEERING THE FUTURE OF SURGERY

Asensus Augmented Intelligence

Senhance[®] Articulating

COMBINING TECHNOLOGY AND HUMAN INGENUITY

Asensus Surgical believes augmented intelligence (AI) and deep learning capabilities can elevate your intraoperative surgery.

SUPPORTING ROBOTICS WITH AI

During surgery, AI enables a robotic assisted surgery platform to *perceive* through computer vision, *learn* through machine learning and *assist* your surgical decision-making in real time.

CHANNELING THE COLLECTIVE KNOWLEDGE OF SKILLED SURGEONS

AI captures the collective knowledge and experience of skilled surgeons to deliver critical, real-time information that helps reduce variability when navigating challenging anatomy.

PIONEERING THE FUTURE OF SURGERY

As the *first* company to bring AI and machine learning into soft tissue surgical robotics, Asensus Surgical is leading innovation in supporting surgeons to perform safer and more accurate procedures.



Senhance® Surgical System

Elevate Digital Laparoscopy with the Intelligent Surgical Unit™

Advance to the next level of Digital Laparoscopy with the Intelligent Surgical Unit™ (ISU™), the digital engine behind the Senhance Surgical System. The ISU will empower you and your Operating Room (OR) team to elevate your intraoperative performance with two new system features: **Senhance® Articulating** and **Asensus Augmented Intelligence**.

IMPROVE ACCESSIBILITY & EFFICIENCY

Senhance Articulating improves accessibility and reach around critical structures when working in deep anatomical spaces. Optimizes efficiency enabling you to confidently perform the procedure from the Senhance surgeon cockpit.

INTEGRATE AI WITH ROBOTICS TO ELEVATE SURGERY TODAY

Asensus AI powered visualization and digital instrument tools deliver greater procedural precision, consistency and efficiency between you and your OR team in real time.

FDA CLEARED, CE MARKED, PMDA APPROVED

The Intelligent Surgical Unit is the world's first AI system to be FDA cleared, CE Marked and approved by PMDA for use in robotic surgery.



Intelligent Surgical Unit

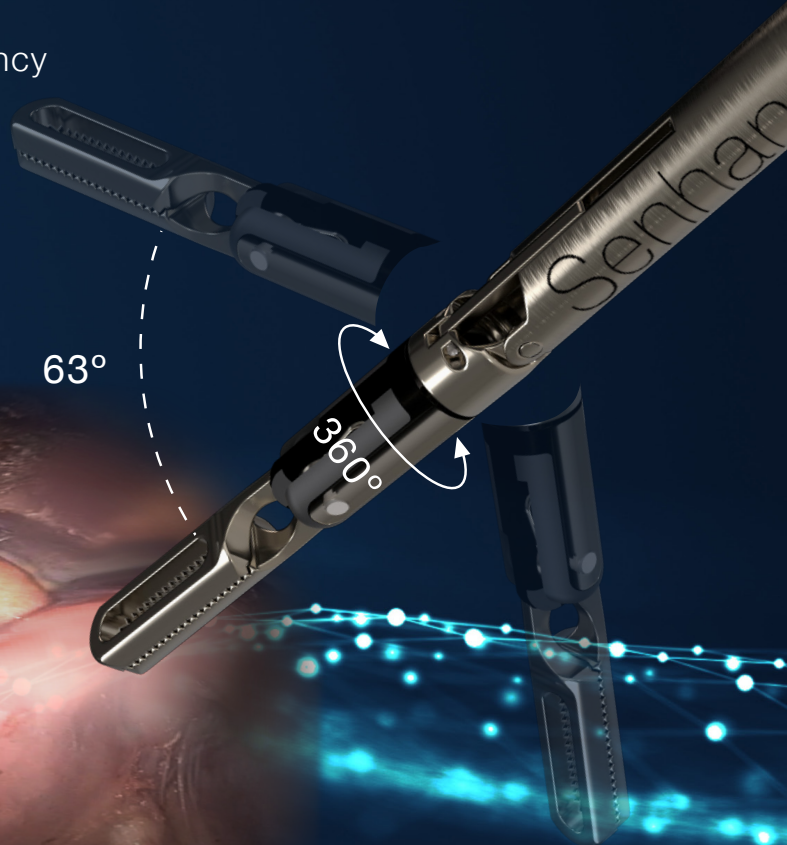


Enhancing Surgical Accessibility and Efficiency

IMPROVED FUNCTIONALITY

with Increased Range of Motion

5mm articulation allows 7 degrees of freedom, including 63° of articulation and independent rotation of the instrument tip and shaft.



ELEVATED EFFICIENCY

with Articulating Instruments

Articulating instruments build on laparoscopic skills, allowing the surgeon to stay focused on the surgical site and complete complex procedural steps end-to-end from the surgeon cockpit, enabling more control and efficiency.

INCREASED ACCESSIBILITY

with Haptic Feedback

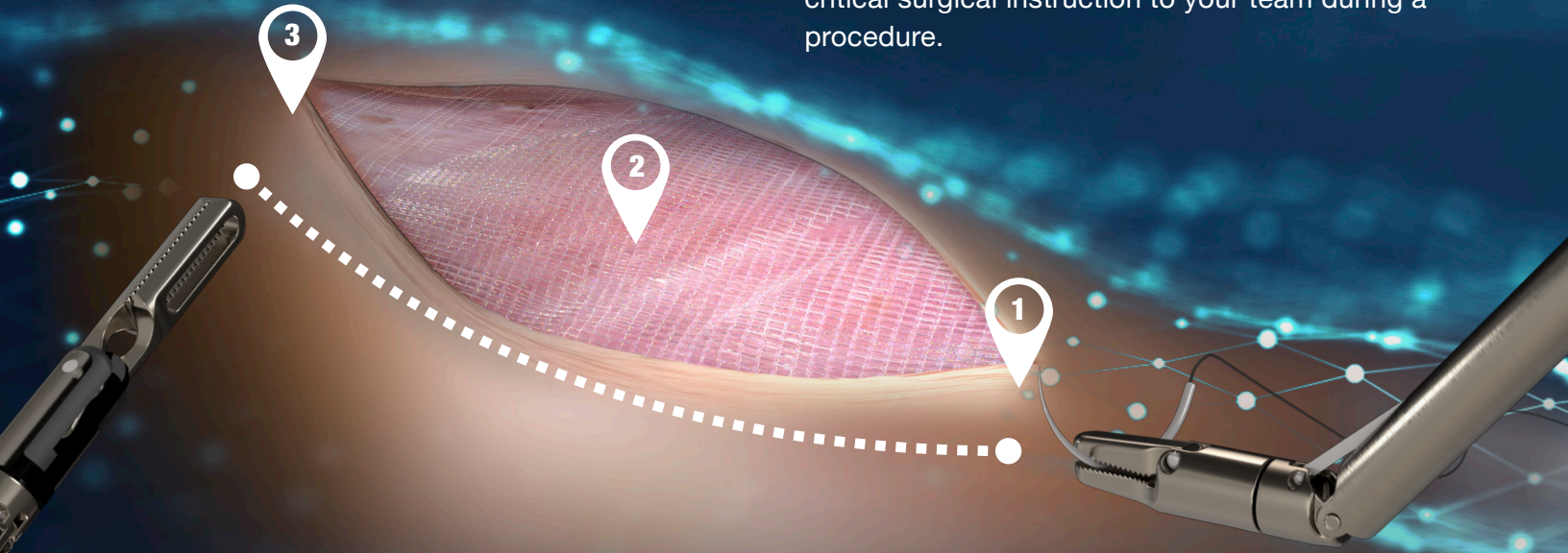
Combining articulation and haptics enables improved access to critical structures by providing real-time feedback and control.



AI + Human Ingenuity: Pioneering Safer, More Predictable Surgeries

IMPROVED COMMUNICATION & CONTROL with Real-Time Annotation

AI ANNOTATIONS digitally tag up to 9 anatomical landmarks from the cockpit to provide real-time, critical surgical instruction to your team during a procedure.



GREATER PRECISION

with Real-Time Measurement

AI PRECISION offers repeatability and standardization through millimeter-accurate point-to-point and contour measurements between instrument points and across tissue planes.

INCREASED VISUALIZATION

with Automated Camera Control

AI SIGHT allows eye movement to precisely direct the camera's field of view without the need of an assistant to maneuver the endoscope. These Asensus AI Sight features offer you flexibility and control from the surgeon cockpit:

EYE TRACKING



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GO TO



SMART ZOOM





Join us on our pioneering journey to connect and elevate the surgeon community.

Scan the QR code to learn more.



U.S. INDICATIONS STATEMENT

Eye trackers supplied by Tobii.

The Senhance System was developed under a license of the European Commission Joint Research Centre.

Products may not be available in all markets and indications for use vary by region. Please visit www.asensus.com/indications-for-use or contact your local representative for information about your area.

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