WEISEBOT



WYNEX™

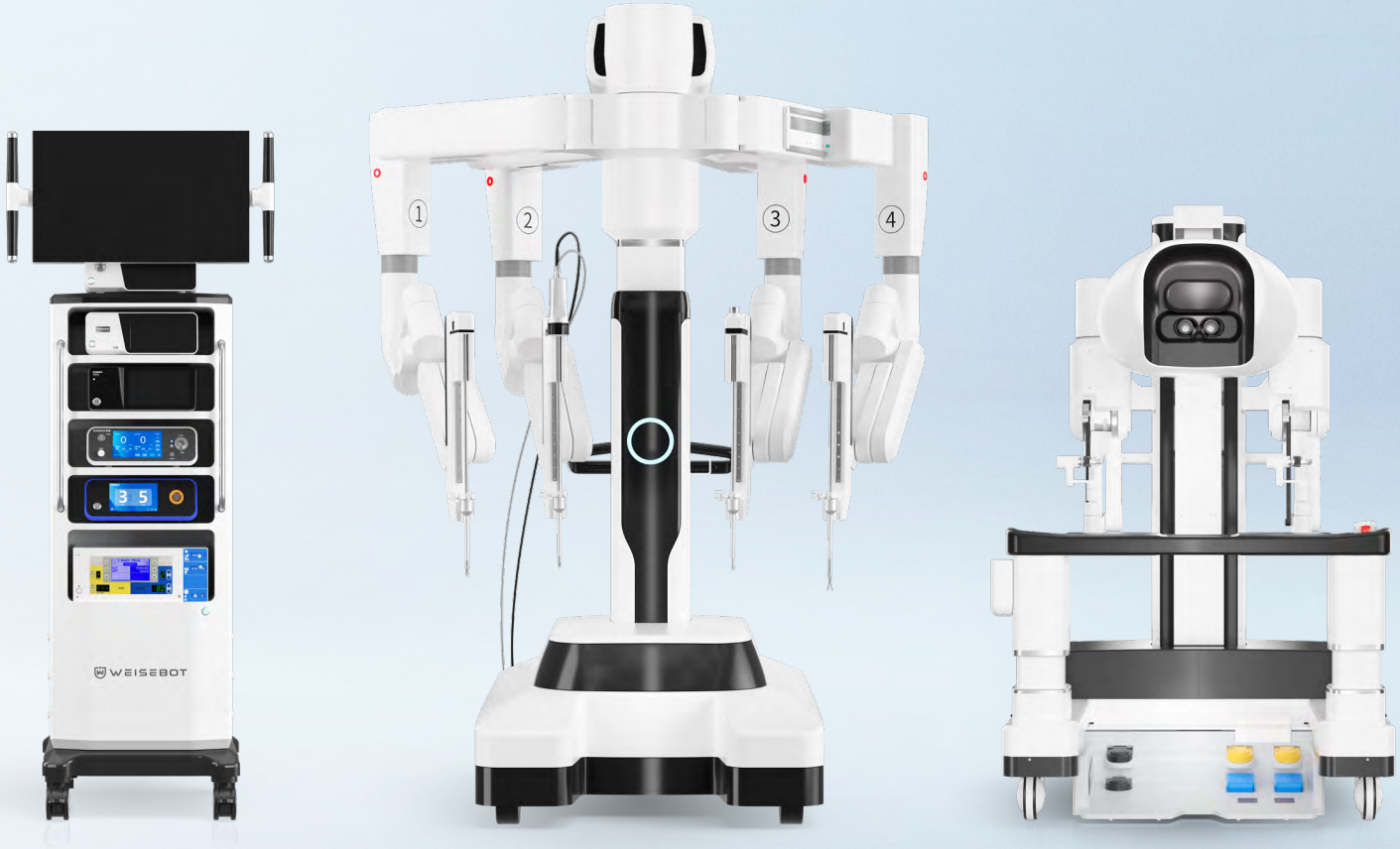
Robotic Surgical System



Leading the future of intelligent surgery

A new paradigm is dawning on the surgical horizon.

With crystal-clear visualization, superior ergonomics, precise and intuitive control, a rich instrument portfolio, and AI-forward capabilities, the WYNEX ™ Robotic Surgical System is engineered to elevate the surgeon's experience and shape the future of surgery.



Visualization



4K-3D Stereoscopic Imaging

Imaging system delivers 2560×2560 stereoscopic resolution, providing high-definition 3D visualization designed to support tissue differentiation during surgical procedures.

Multi-Mode Fluorescence Imaging

Surgeons can switch seamlessly between standard visible-light and fluorescence imaging modes in real time, supporting tissue delineation during surgery.

Ergonomics

Compact Console Headset

The console headset features a compact form factor designed to reduce equipment footprint in the OR and support surgeon awareness of the surrounding environment.



6-Dimensional Console Adjustment

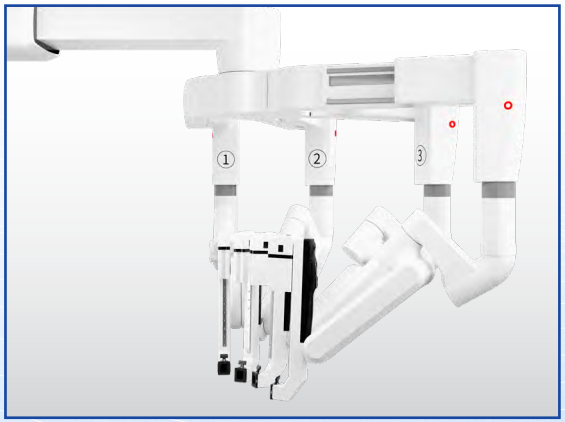
The surgeon console offers 6 dimensions of adjustment across 12 customizable settings—including pupillary distance—allowing surgeons to personalize their setup for comfort during procedures.



Workflow Efficiency

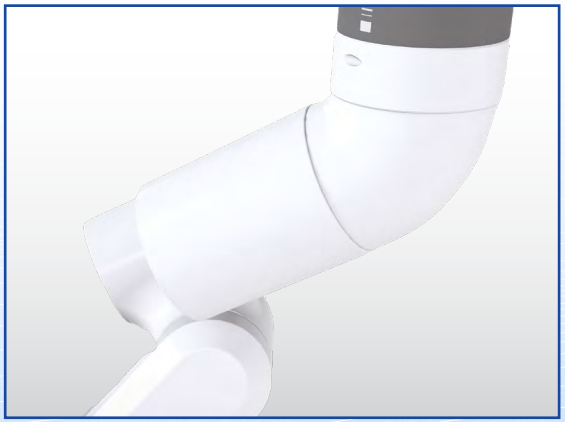
270°
Boom Rotation

The Patient Cart's boom-mounted design rotates up to 270° , enabling flexible positioning around the surgical table from a single cart location.



Patient
Clearance Joint

Up to 240° of articulation on both sides allows intraoperative adjustment of arm spacing without instrument removal, supporting collision avoidance and workflow continuity.



One-Click
System Power-on

A single power button—accessible from the Surgeon Console, Patient Cart, or Vision Cart—powers the entire system on or off, simplifying OR setup.

Automated
Boom Positioning

Automated multi-directional positioning—forward, backward, left, and right—supports precise alignment with the surgical field.

Precision Control

Up to 600° Axial Rotation

Hand controls and robotic arms support up to 600° of axial rotation, extending range of motion for instrument maneuvering.

Touchpad Control

Touchpad on the surgeon console enables adjustment of light source, insufflator, and other connected equipment.





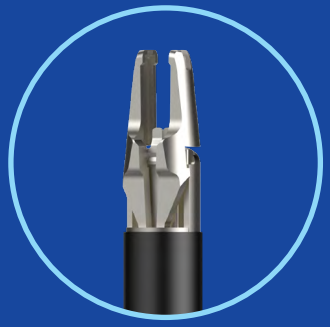
Instrumentation

Extended-Length Options

Extended-Length Instruments are available in standard and extended shaft lengths—up to 530mm—offering additional reach for confined surgical fields or higher body-habitus patients.

Purpose-Built Instrument Design

The portfolio includes a multi-fire clip applier designed for sequential clip placement without reloading, and a multifunctional irrigation/aspiration electrode that integrates coagulation, cutting, irrigation, and aspiration into a single device.



Multi-fire clipper



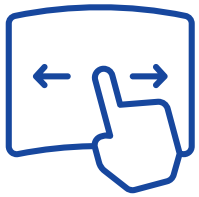
Suction-Irrigator



Broad Instrument Portfolio

Surgeons can choose from 30 instruments to match procedural requirements.

Assistant & AI-Enabled Capabilities



Collaborative Touch-Screen Display

The Vision Cart's 27-inch touchscreen enables real-time visual annotation, displayed directly within the surgeon console's stereo viewer—supporting team communication and mentoring during procedures.



Telesurgery*

WYNEX ™ supports telesurgery over high-speed 5G networks.



3D Model Reconstruction*

Generate 3D reconstructions from image data and overlays them onto the live surgical view.



Real-Time Visual Analysis*

An integrated AI model analyzes live video to help identify points of interest, such as areas of bleeding.



Voice-Assisted Control*

Alvie, the platform's voice assistant, enables hands-free adjustment of select system settings such as light source and other system settings via voice command.

*Function in development. AI-assisted features are intended as supportive tools.

Supporting Network

WeiseCloud

Provides real-time monitoring of device conditions and remaining instrument uses.

AI technology delivers intelligent forecasts and alerts to support proactive maintenance.

Kangji Advanced Surgical Institute

A global training network offering comprehensive courses tailored to surgeons' evolving needs.

The progressive curriculum spans foundational knowledge, tissue manipulation, and advanced techniques. Surgery observation and proctorships are available at associated facilities worldwide to help surgeons hone their skills.



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