

Toumai™ Endoscopic Surgical Robot

*Make Surgery Easier
Safer and Less Invasive*



CE 2797



MicroPort® MedBot™
Official WeChat Account



MicroPort® MedBot™
Official Website

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See IFU for Contraindications or Precautions

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Endoscopic Surgical Robot,
For Internal Reference and Study Only

Newer upgraded Toumai™ Endoscopic Surgical Robot

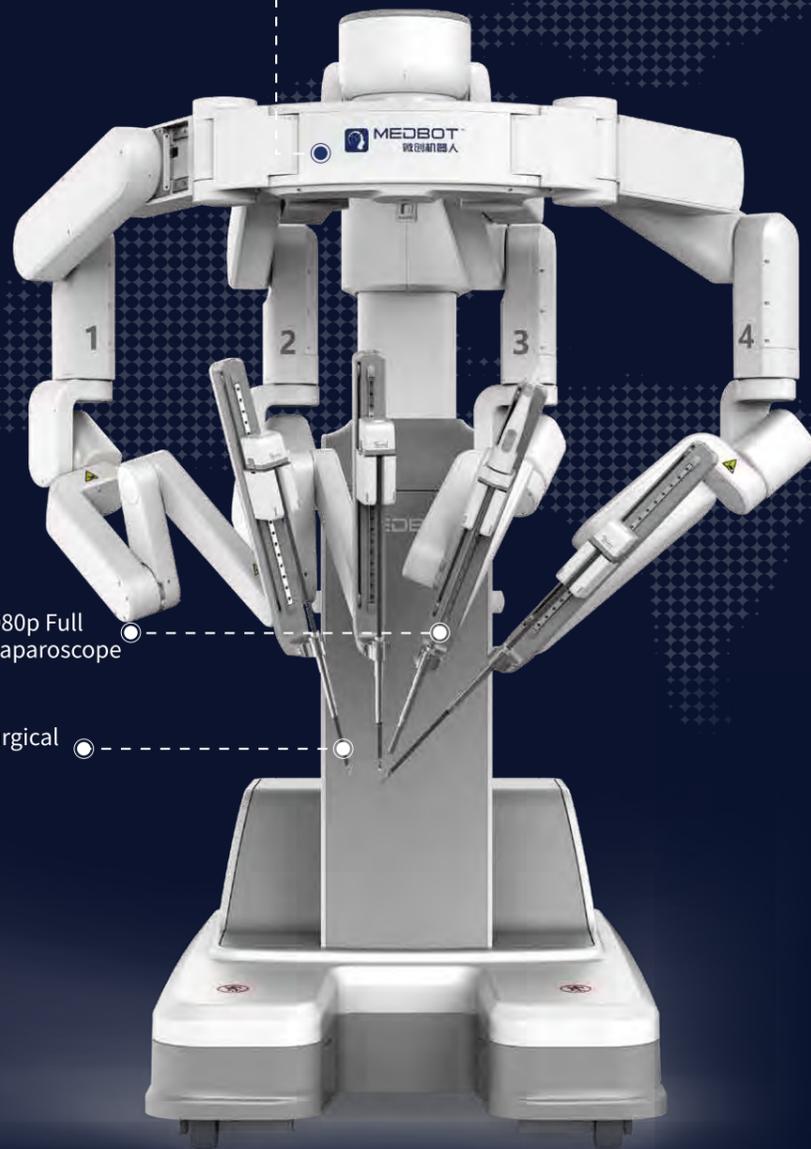
Safety Protection

Flexible Instruments

Efficient Interaction

Diverse Configuration

Suspended designed mechanical arms
Convenient for flexible positioning



Lightweight 1080p Full HD electronic laparoscope

Wrist-rotate Surgical Instruments

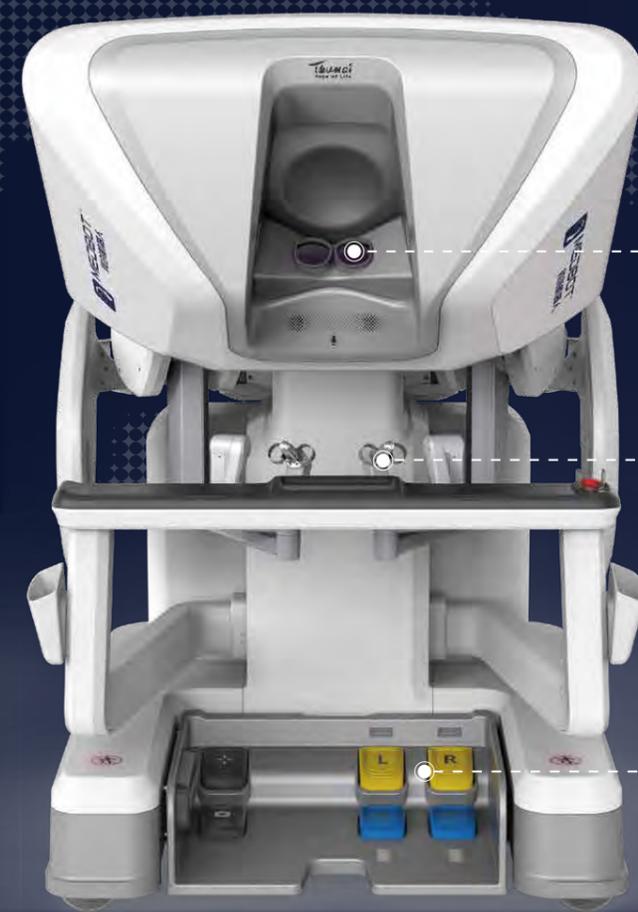
◆ Patient Platform ◆



Upgradable Monitor

Endoscopic Imaging Processor

◆ Vision Platform ◆



Optimal anti-dizziness design

Ergonomic Controller

Pedal trigger protection

◆ Surgeon Console ◆

Visual Optimization

Toumai™ MT-1000 provides operators with better observation experience via expansion of the surgical field and optimization of the visual effect

Flexible Angle of View

The lightweighted and flexible self-developed endoscopes could be mounted onto all four robotic arms to provide wider and more flexible angle of view.



Independently Adjustable Window

Adapting to the observing posture of the surgeon and bringing more comfortable operation.



Picture in Picture

Surgeons may observe multiple image sources (including CT, MRI, ECG, ultrasound, etc.) on the main screen.



Realtime Instrument Monitoring

Out-of-Surgical-Field indication for the instruments, giving intra-operative real-time monitoring and tracking of the surgical instrument position to ensure procedure safety and improve surgical efficiency.

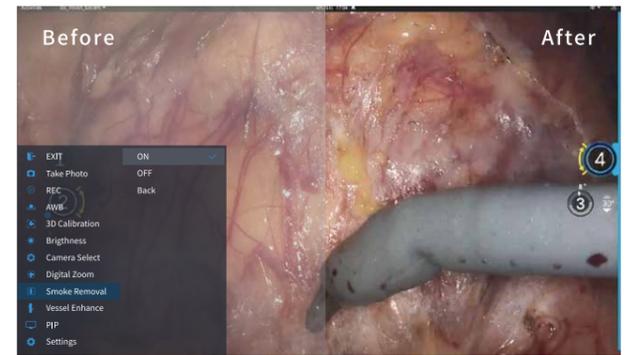


Multiple Image Enhancement Modes

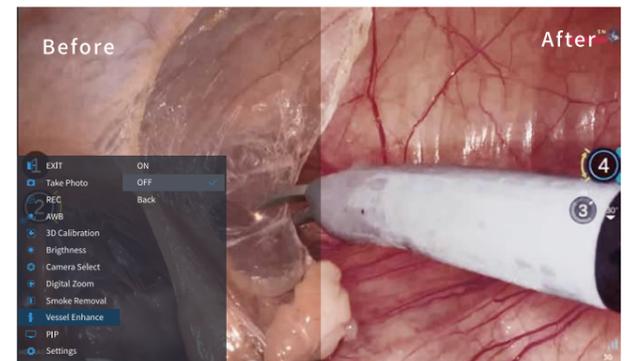
Reducing the impact of smoke caused by the use of electrosurgical instruments.

Reducing fogginess in the view and enhancing image definition.

Facilitating a clearer display of vasculature by enhancing the contrast between vessels and tissues.



Smoke Removal



Vessel Enhance

Technology Upgrade

Toumai™ MT-1000 improves the safety and convenience of robotic surgery through continuous iteration of technology, based on the clinical needs

Force Sensing*

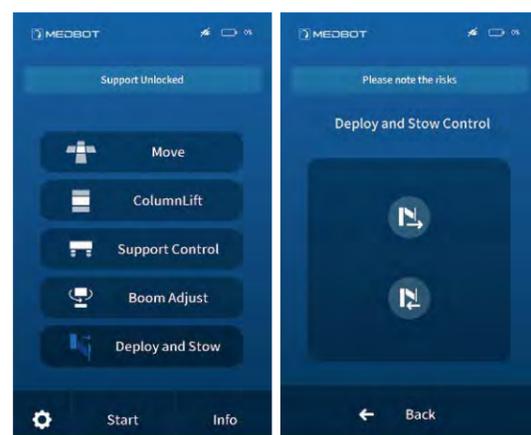
Providing force sensing and force feedback components and technologies. Achieving safety perception function. Ensuring the safety of surgery.



Multi-Controls by One Click

Providing automatic deployment, automatic reception.

Improving the preparation efficiency of surgery.

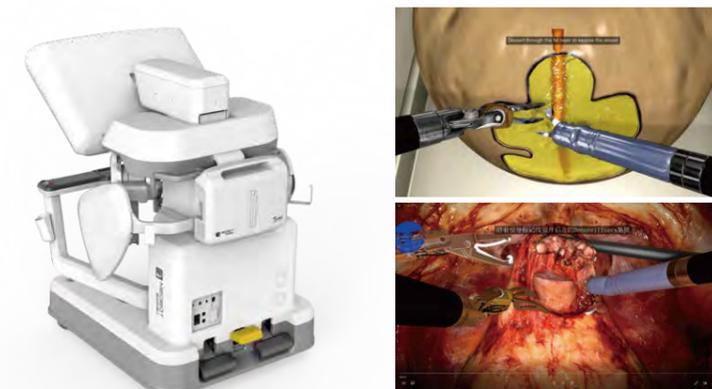


Expansion

Toumai™ MT-1000 may combine various state-of-art technologies to continuously diversify its own configuration and provide customized surgical and training protocol surgeons

Simulation Platform*

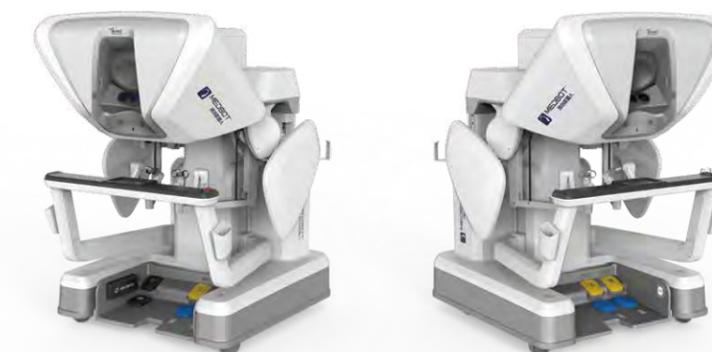
Providing Various of simulated surgical operation courses (including specific surgery module).



Dual Console*

Upgradable to dual console.

Allowing two surgeons to operate joint surgery.



Tele-surgery*

Equipped with remote surgical diagnosis and treatment supporting system.

The tele-surgery has been applied in general surgery, hepatobiliary surgery, urology, gynecology, and pediatric surgery.



The Farthest distance: 12900+km (Animal Validation)