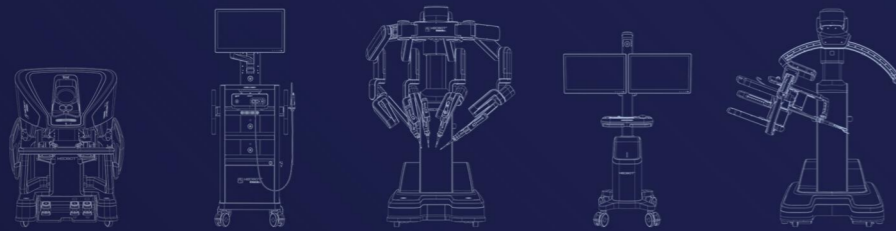


# Toumai™

## Endoscopic Surgical Robot MT-1000



World's first in full solutions for multi-arm, single-port, and telesurgical endoscopic robotics



MicroPort® MedBot®  
Official WeChat Account



MicroPort® MedBot®  
Official Website

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See IFU for Contraindications or Precautions  
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Beijing Office  
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Waixie Street, Dongzhimen, Chaoyang District, Beijing

Guangzhou Office  
Address: Xinghuan International Business Center T2-1002,  
No. 181 Yanjiang West Road, Yuexiu District, Guangzhou

Registration Certificate Name:  
Endoscopic Surgical System

NMPA Registration Certificate No.:  
国械注准 20223010108  
EU CE Certificate No.: MDR778077  
ANVSA Certificate No.: 81667100070

**A leading Innovator in Surgical Robots**

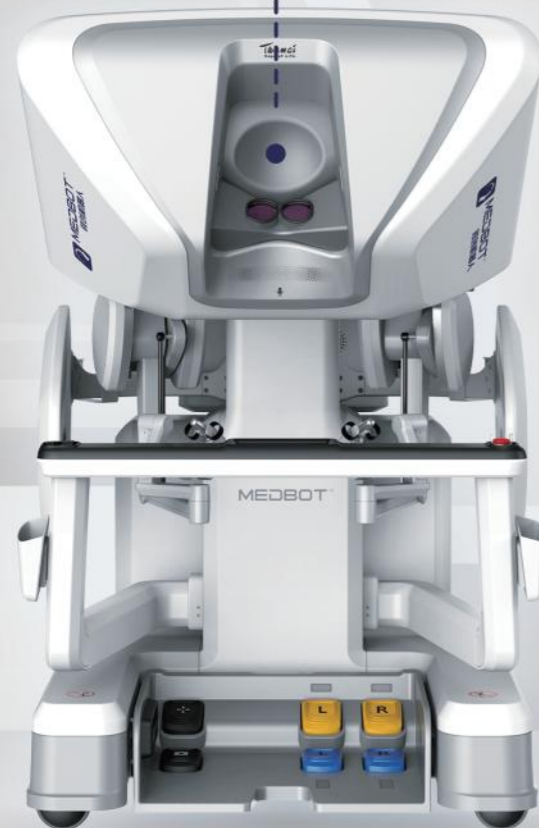
China's first domestically developed four-arm endoscopic surgical robot  
Asia's First CE-Certified four-arm endoscopic surgical robot  
A global pioneer in tele-surgery technology

Only for education and study

# 10+ Years of Advances: Toumai™ MT-1000 Ushers in a New Era of Ultra-Precise Robotic Surgery

## Surgeon Console

- ◆ Ultra-low Control Latency in Master-Slave Controlling
- ◆ Immersive Naked-eye 3D HD Stereoscope Vision
- ◆ 5-Groups Ergonomic Adjustment for Fatigue-Free Operation



## Patient Platform

- ◆ 240° Overhead-Suspended Center Column Structure
- ◆ "One-Main-Dual-Auxiliary" Suspension System
- ◆ Laser Localization for Smart Docking



## Vision Platform

- ◆ All-in-One Full HD Surgical Imaging Platform
- ◆ Seamless Console-Integrated Control Mechanism
- ◆ Advanced Image Functions with Real-time ICG and Dual-PIP



## Pioneering the Future of Robotic Surgery

### ◆ Reliable Performance

Recognition with Worldwide Clinical Evidences

### ◆ Systematic Solution

"Product+Service" Accelerates Robotic Surgery Development

### ◆ Pioneering Telesurgery

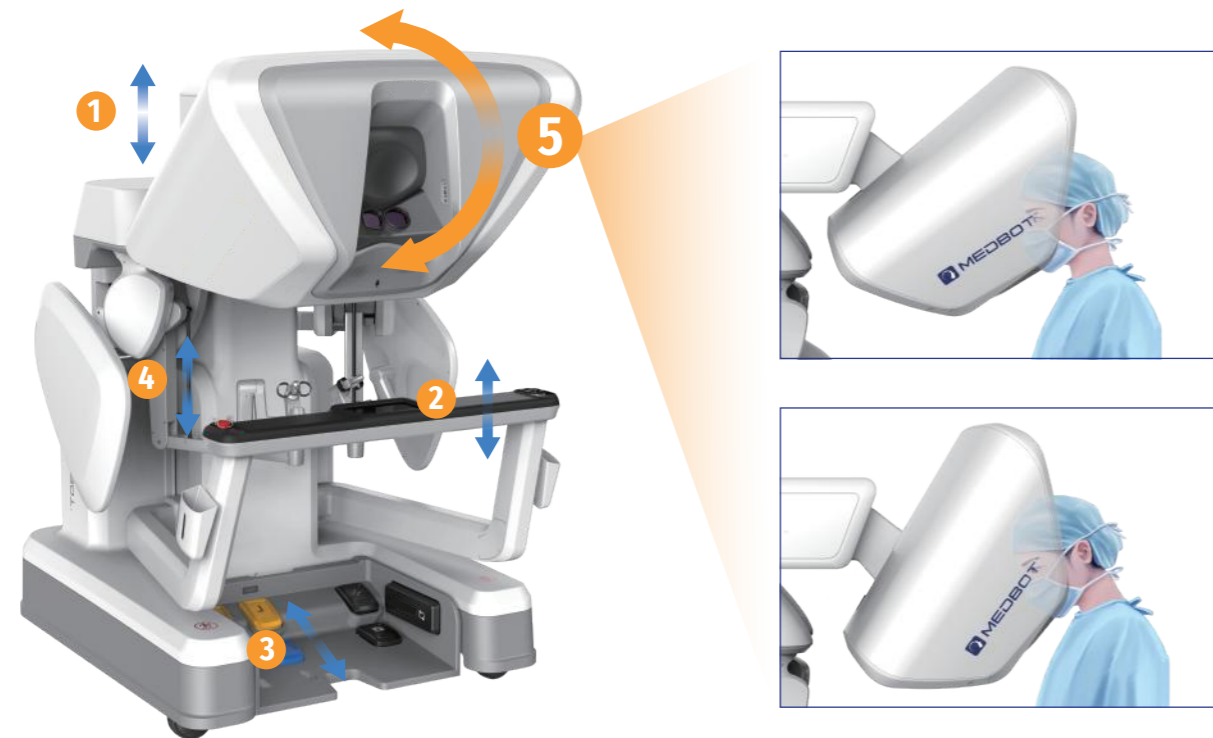
Technology Innovations and Clinical applications

Effortless Transition

## Immerse in Comfort with Ergonomic Perfection

### ◆ First-of-its-kind 'Five-Group, Ten-Direction'

Full-Dimensional Posture Adjustment for the Exceptional Ergonomic Experience



## Advanced Imaging System

Crystal-Clear Precision with Defined Boundaries

Instant Clarity, Every Detail Revealed

## Fluid Control, Pinpoint Accuracy\*



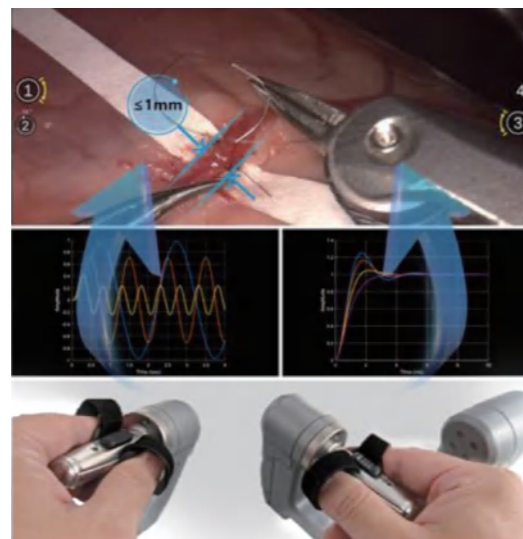
Precision Positioning, On-Target Performance

- ◆ Joint Steady-State Error  $\leq 1 \mu\text{m}$
- ◆ Repeat Positioning Accuracy  $\leq 0.01\text{N}$



Lightweight Manipulation, Smooth Operation

- ◆ Operating Force  $\leq 0.1\text{N}$
- ◆ Force Uniformity  $\leq 0.01\text{N}$



Ultra-Fast Response, Real-Time Motion Control

- ◆ Master-Slave Response Frequency  $\geq 4000\text{Hz}$
- ◆ Motion Control Latency  $\leq 40\text{ms}$

## Force sensing



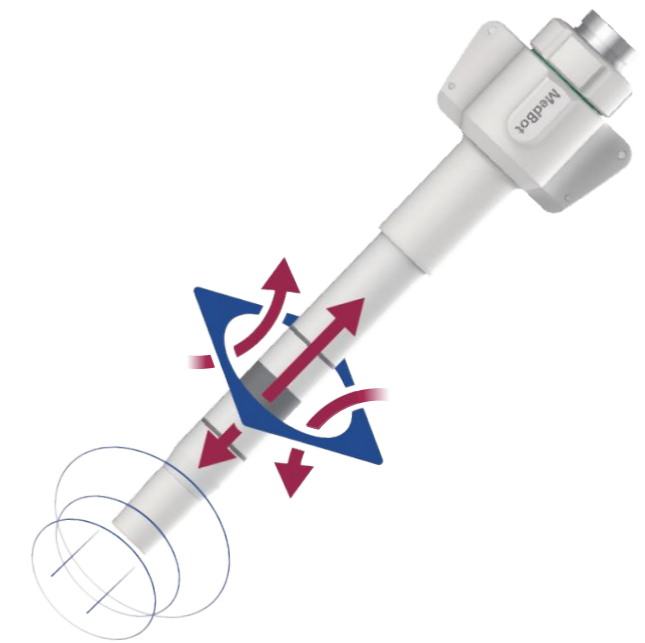
Providing advanced force sensing and feedback technologies.



Enabling real-time safety perception and haptic awareness.



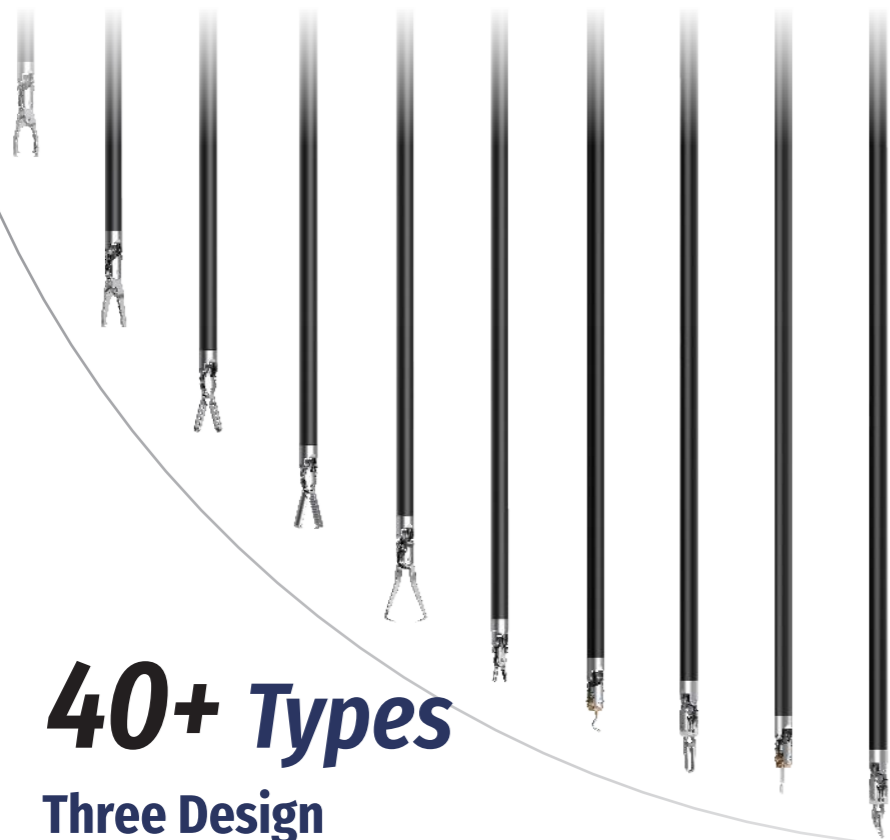
Enhancing surgical safety through precise force control.



\*Results based on internal testing. Performance in actual use may differ.

Reliable Performance

## 8mm High-Dexterity Surgical Instruments with Extended Lifespan



Highly Maneuverable Surgical Instruments for Almost All Disciplines



40+ Types

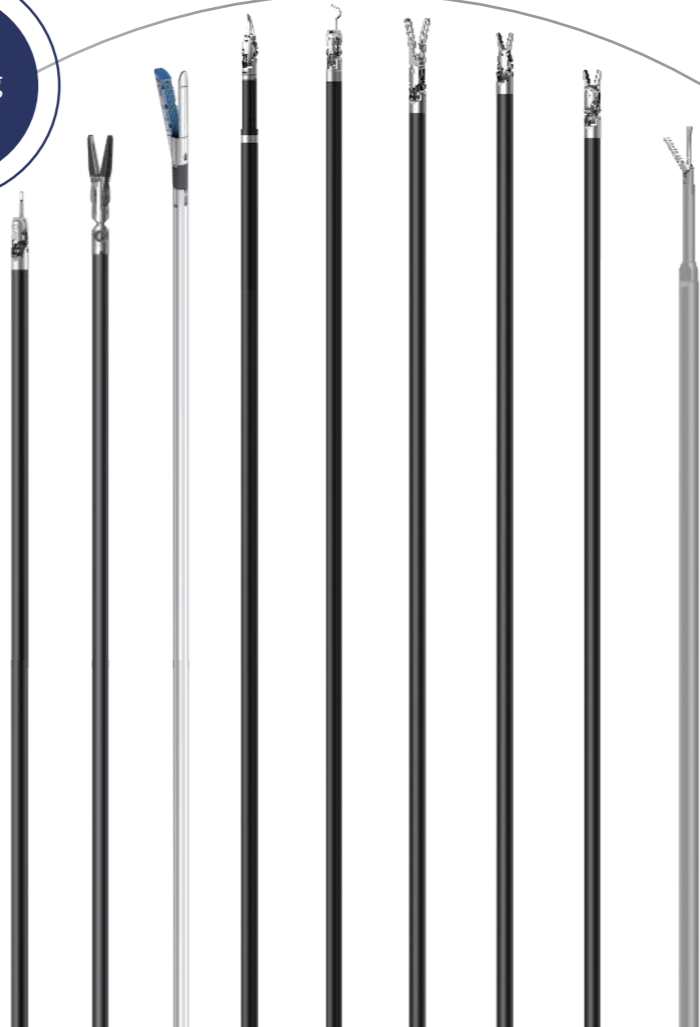
### Three Design Performance Enhancements



First Chinese-Produced, High-Durability Robotic Surgical Instruments

- ◆ 4 Types of Needle Driver (12 - 16Times)
- ◆ 4 Types of Grasping (20Times)
- ◆ 2 Types of Clip Appliers (15Times)
- ◆ 3 Types of Monopolar Instruments (12 - 16Times)
- ◆ 2 Types of Bipolar Instruments (15Times)
- ◆ 2 Types of Ultrasound Shears\*
- ◆ 18 Types of Staplers\*
- ◆ 1 Type of Vessel Closure Device\*
- ◆ 1 Type of Force Bipolar Forceps\*
- ◆ 8 Types of Specialty Instruments\*

\*(Launched in some regions)



## Worldwide Versatile Applications Across Multiple Departments

10,000+ Telesurgeries Worldwide

200+ Medical Institutions

30+ Countries Approved



### General Surgery

- ◆ Pancreaticoduodenectomy (Whipple Procedure)\*
- ◆ Radical Thyroidectomy for Thyroid Cancer\*
- ◆ Radical Gastrectomy for Gastric Cancer\*
- ◆ Radical Cholecystectomy for Gallbladder Cancer\*
- ◆ Low Anterior Resection for Rectal Cancer\*
- ◆ Left Hemicolectomy / Right Hemicolectomy\*
- ◆ Total Gastrectomy
- ◆ Radical Distal Gastrectomy for Gastric Cancer
- ◆ Radical Sigmoid Colectomy for Colon Cancer
- ◆ Bilateral Inguinal Hernia Repair
- ◆ Segmental Hepatectomy
- ◆ Distal Pancreatectomy
- ◆ Cholecystectomy
- ◆ Choledochotomy
- ◆ Hepaticojejunostomy
- ◆ .....



### Urologic Surgery

- ◆ Radical Prostatectomy\*
- ◆ Radical Cystectomy\*
- ◆ Radical Nephrectomy with Tumor Thrombectomy\*
- ◆ Radical Nephroureterectomy for Renal Pelvis Carcinoma\*
- ◆ Radical Nephrectomy for Renal Cell Carcinoma\*
- ◆ Partial Nephrectomy\*
- ◆ Ureteral Reimplantation
- ◆ Appendiceal Substitution Ureterotomy
- ◆ Retroperitoneal tumor resection
- ◆ Pyeloplasty
- ◆ Adrenalectomy
- ◆ .....



### Gynecologic Surgery

- ◆ Radical Hysterectomy for Cervical Cancer\*
- ◆ Staging Surgery for Ovarian Cancer\*
- ◆ Staging Surgery for Endometrial Cancer\*
- ◆ Pelvic Floor Reconstruction\*
- ◆ Radical Hysterectomy\*
- ◆ Ovarian Cystectomy
- ◆ Bilateral Oophorectomy
- ◆ Myomectomy
- ◆ total hysterectomy
- ◆ Pelvic Lymph Node Dissection
- ◆ Para-Aortic Lymphadenectomy
- ◆ Bilateral Tubal Ligation
- ◆ Granulomatous Omentectomy
- ◆ .....



### Thoracic Surgery

- ◆ Radical Pulmonary Resection for Lung Cancer\*
- ◆ Radical Esophagectomy\*
- ◆ Lobectomy\*
- ◆ Left/ Right Pneumonectomy
- ◆ Anatomical Segmentectomy
- ◆ Mediastinal tumor resection
- ◆ .....



### Pediatric Surgery



### Breast and Thyroid Surgery

"Almost same as the world's pioneering system"  
---From 1000+ experts worldwide across multi-departments

"The system is almost similar to the world pioneering brands and I didn't feel any difference. In terms of movement, articulations and stuff, it's similar to the world pioneering brands, very nice."  
--- Asian Surgeon

"It's virtually identical to da Vinci, you can close your eyes and not notice the difference."  
--- Latin American Surgeon

"One of the best robots. Very easy to operate "  
--- European Surgeon

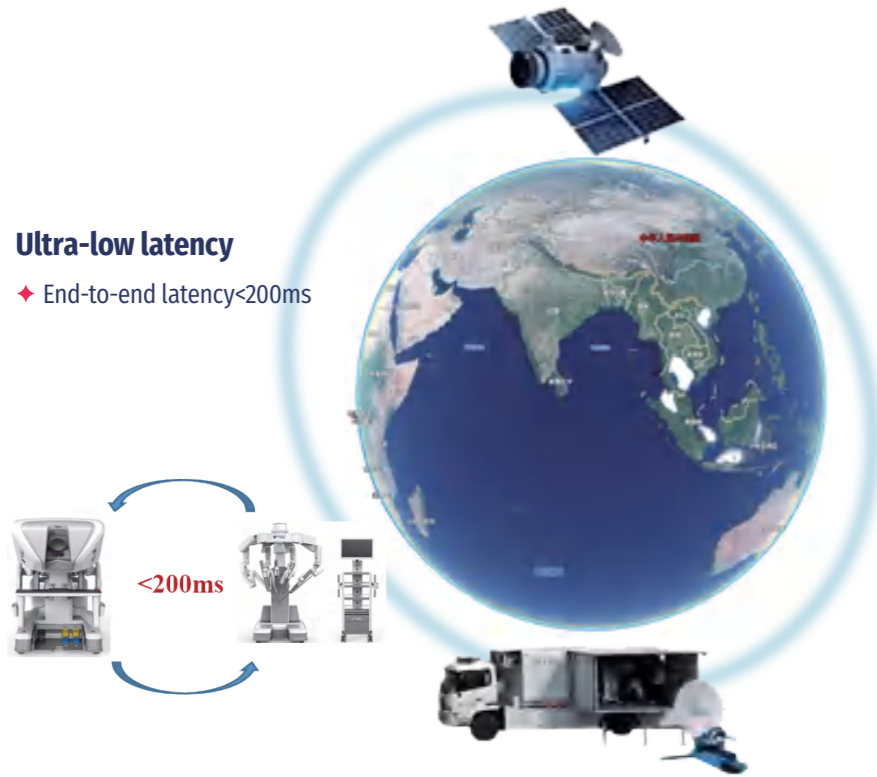
"The device is really quite nice and I have praised many times during the operation."  
--- African Surgeon



Pioneering Telesurgery

## Toumai™ Telesurgery System

Pioneering and Leading Remote Surgery Innovation on Standard Networks



### Ultra-low latency

◆ End-to-end latency <math>< 200\text{ms}</math>

### Multi-network fusion

◆ 4G/5G/Dedicated Line/Internet

### Low network requirements

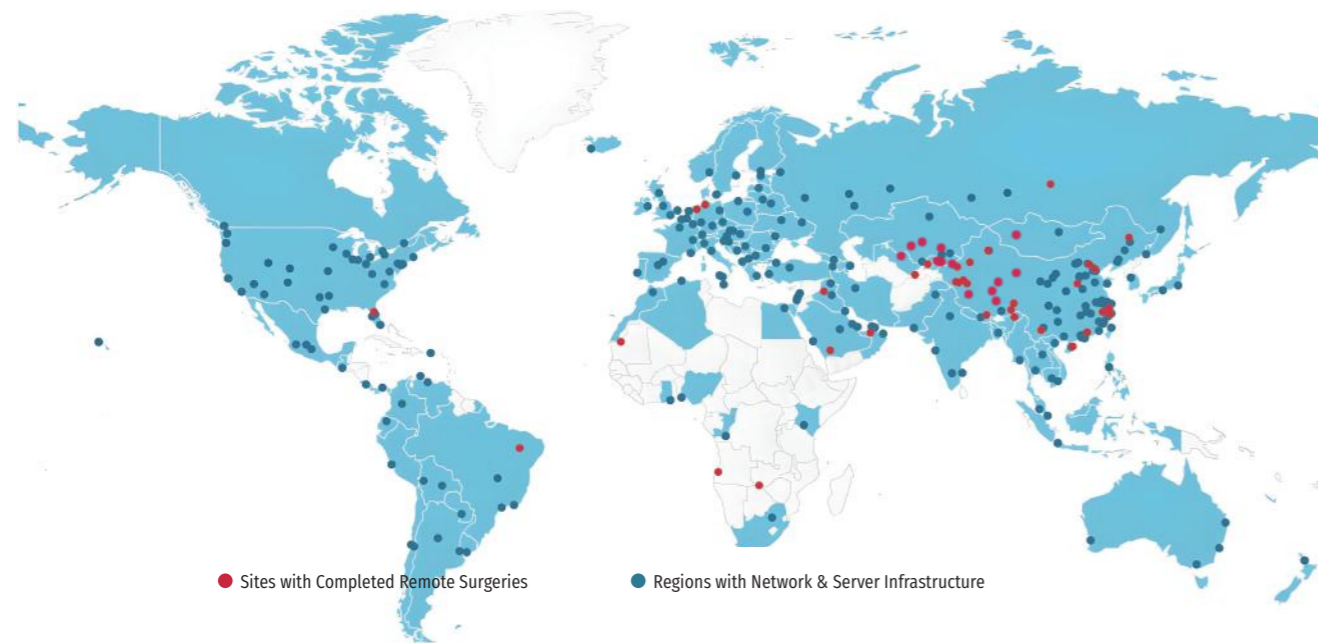
◆ Bandwidth requirement as low as 1.25Mbps

## Toumai™ Leads Approved Telesurgery

2024.12  
National Standard & Guidelines

2025.04  
Regulatory Approved by NMPA

2025.06  
FDA IDE-approved human trial



## Toumai™ Leads in Global Telesurgery

<b>400+</b> Cases World's 1st on human	<b>25+</b> World Records	<b>50+</b> Cities	<b>80+</b> Hospitals	<b>1000,000+Km</b> Communication Distance*
<b>1st LATAM case</b> 	<b>1st Europe case</b> 	<b>1st MidEast case</b> 	<b>1st Africa case</b> 	<b>World's Longest</b> 
<b>Africa's First Telesurgery</b> Main Surgeon: Dr. Marcio Moschovas Date: Sep 03, 2024	<b>Europe's First Telesurgery</b> Main Surgeon: Dr. Alex Mottrie, Dr. Geert De Naeyer Date: May 26, 2025	<b>World's Highest-volume Telesurgery 8 cases</b> Main Surgeon: Dr Saad Aldousari Date: May 20, 2025	<b>Africa's First Clinical Telesurgery</b> Main Surgeon: Dr. Vipul Patel Date: Oct 23, 2024	<b>World's Longest Clinical Telesurgery</b> Main Surgeon: Dr. Youness Ahallal Date: Nov 16, 2024

## The World's Only Large-Scale Intercontinental Telesurgery Network



## "Ground-Ocean-Space" Integrated Telesurgery System

<b>Domestic</b> Laying of dedicated fiber optic lines	<b>Cross-continental</b> Use of submarine fibre cables and signal base stations	<b>Space</b> Use of satellite links to space stations

## Surgical Simulation Training System

China's First Robotic Surgical Simulation Training System



### Easy-to-use

- Compact and Portable
  - ◆ One compact solution,
  - ◆ easy transportation
- Quick installation
  - ◆ Simple installation

## Comprehensive Training Platform

From Basic to Advanced Clinical Procedures Training

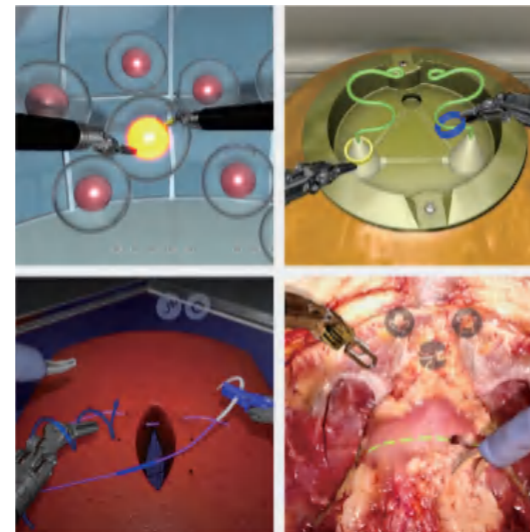
- ◆ Practice procedural steps in an anatomical environment
- ◆ Demonstrate various techniques and decision making
- ◆ Simulate complications and injuries

True-to-Life Simulation Environment

- ◆ Mastery of console and instruments
- ◆ Visual cues enable surgeons to learn to feel' with their eyes
- ◆ Realistic simulation tissue response to instruments and tension

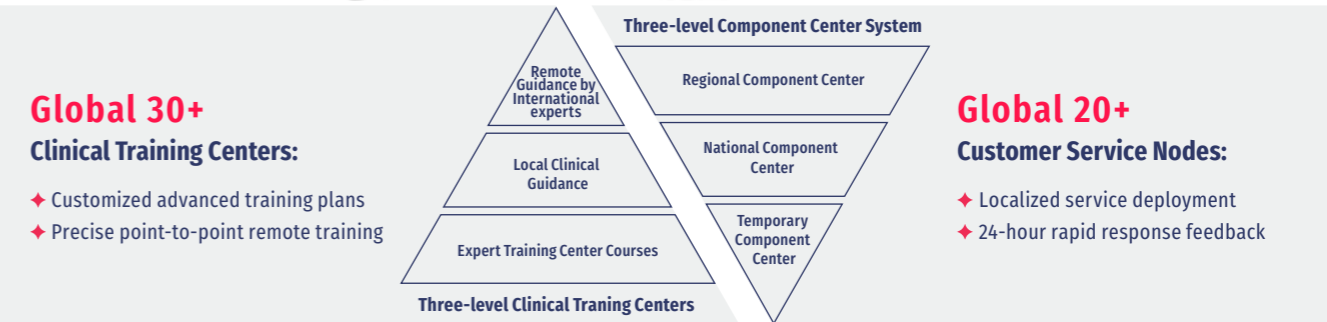
Professional and Accurate Education Mentor

- ◆ High fidelity and reliability derived from industry-academia synergy
- ◆ Step-by-step colorful procedural guidance

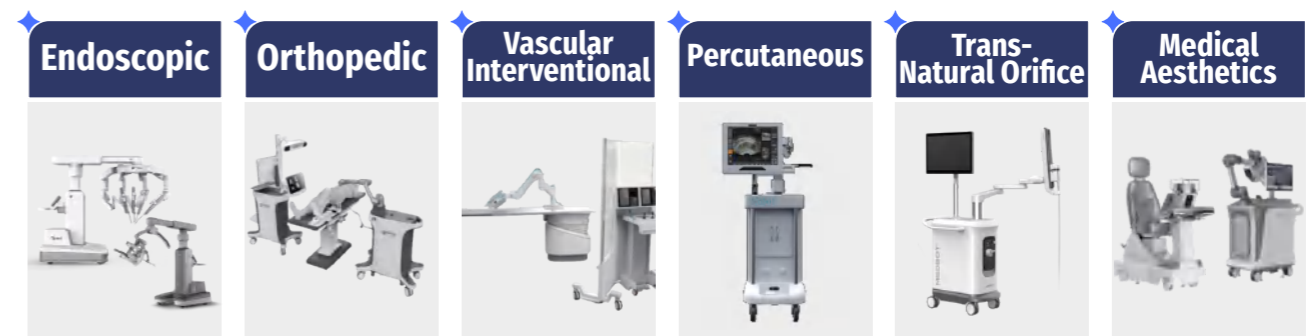


## Global Training and Service Team

Relying on the overseas sales system of MicroPort® Group, build a global training and service center



## MicroPort® MedBot™ Total Robotic Solutions: The Only Company Laying Out 6 Golden Tracks



**Toumai™ Family**  
Multi/Single-Port & Telesurgery

- NMPA ✓
- CE ✓
- ANVISA ✓
- CDSCO ✓
- TGA ✓
- ANVISA ✓
- PMDA ✓
- Telesurgery ✓ (NMPA, FDA IDE)

**SkyWalker®**  
Orthopedic Surgical Robot

- NMPA ✓
- FDA ✓
- CE ✓
- TGA ✓
- ANVISA ✓
- PMDA ✓
- CDSCO ✓

**R-ONE™**  
Vascular Intervention Robotic System

- NMPA ✓
- CE ✓

**Mona Lisa™**  
Prostate Biopsy Surgical Robot

- NMPA ✓
- FDA ✓
- CE ✓
- TGA ✓
- PMDA ✓
- HAS ✓

**Uniway™**  
Trans-bronchial Endoscopic Surgical Robot

In Clinical Registration

Hair follicle Transplantation Surgical Robot

In Clinical Trial

## Powerful Curriculum Management

Efficient Curriculum Administrative and Scoring System

- ◆ Administrative tools let users manage courses for organization
- ◆ Built-in scoring metrics to generate objective reports for progress tracking

Training Course Customization

- ◆ Tailor-made courses suit individual preferences

