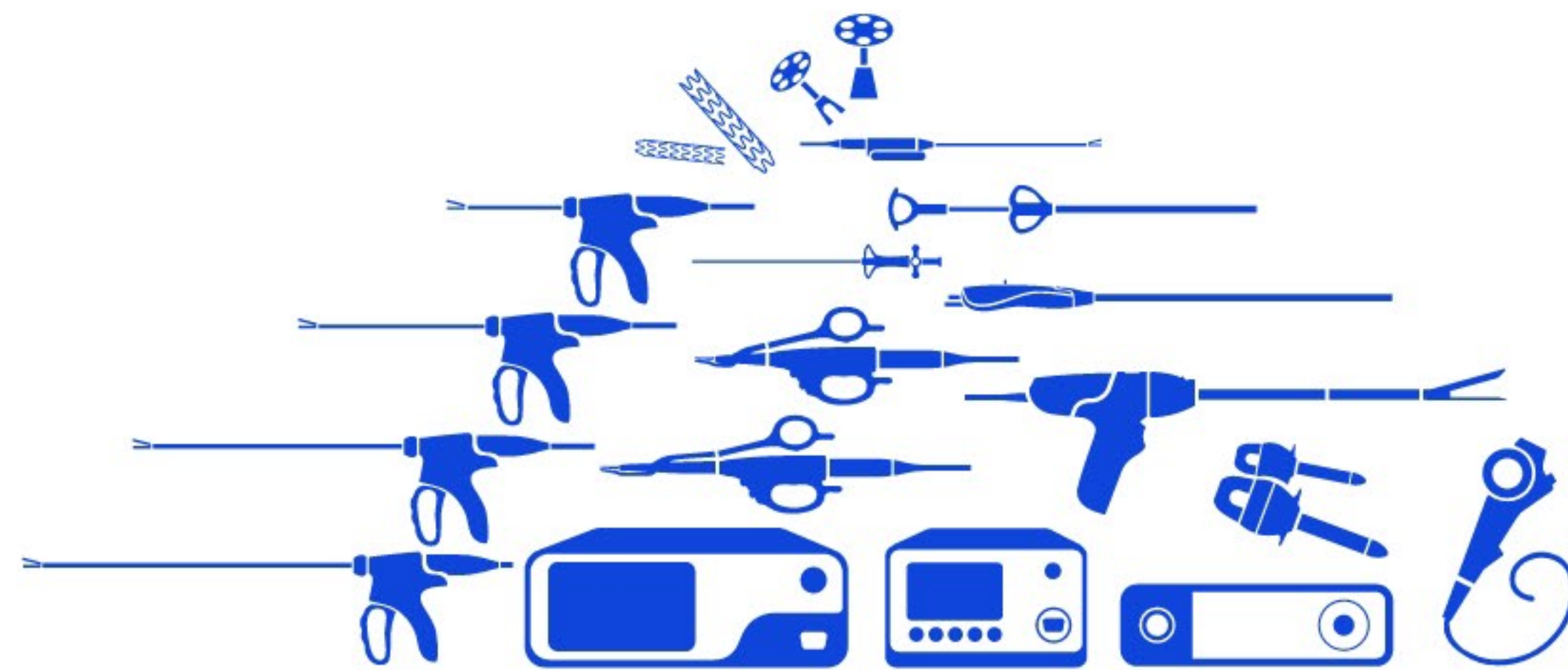


SHARING TECHNOLOGY OF
MINIMAL INVASIVE SURGERY
WITH THE WORLD



www.surgsci.com

Suigsci SURGSCI MEDICAL LTD.

Address: 3/F, Shunhengli Building, No. 118 Xin'an 3rd Road, Dalang Community, Xin'an Street, Bao'an District, Shenzhen 518133, Guangdong, P.R. China

+86-0755-23707593 **Email:** service@surgsci.com

Suigsci SURGSCI MEDICAL LTD.

MINIMALLY INVASIVE SURGERY COMPREHENSIVE SOLUTION PROVIDER

PRODUCT LINES





SHENZHEN

SHENZHEN IS A HOTBED OF TECHNOLOGICAL INNOVATION,
NURTURING OUTSTANDING CHINESE ENTERPRISES.

100+ Domestic and foreign patents	40+ Invention patent	70+ Granted patent
200+ million R&D investment	50+ R&D engineer	2000+ m ² R&D center

ABOUT SURGSCI

Surgsci is a global provider of innovative solutions for minimally invasive surgery intelligent consumables, aimed at improving people's health and quality of life. The company takes it as its mission to popularize minimally invasive medical technology and share high-quality humanitarian care, continues to innovate, and focuses on clinical needs to benefit patients. In the fields of ultrasonic energy surgical treatment devices, intelligent consumables for minimally invasive surgery, and specialized minimally invasive surgical instruments, the company provides comprehensive innovative solutions for fields such as hepatobiliary and gastrointestinal surgery, otolaryngology, colorectal surgery, bariatric surgery, oncology, urology, thoracic surgery, surgery for women and children, and neurosurgery.

The company has over 50 R&D staff, including more than 10% with PhDs and nearly 50% with Master's degrees. It has applied for over 100 domestic and international patents, solving key challenges in minimally invasive surgical technology such as durable titanium alloys for ultrasonic knives, high-performance piezoelectric ceramics, intelligent impedance matching algorithms, miniaturization of ultrasonic transducers, and anti-adhesion coatings for surgical knives. Surgsci a specialist in intelligent minimally invasive surgical devices, is creating an ecosystem for intelligent consumables to offer comprehensive solutions for minimally invasive surgery patients, doctors, and healthcare facilities.





SURGSCI MEDICAL LTD.

Founded in Bao'an District, Shenzhen City

2017



production center inaugurated

Launched multiple consumable production lines

2018



National High-Tech Enterprise Certification
Four products, including the trocar, passed the CE audit.

Obtained CE certification and EN ISO13485 system certification

2019



Won the High-Tech Fair Excellent Product Award

Received recognition as a representative enterprise by the Shenzhen Angel Mother Fund

2020



New Bao'an manufacturing plant put into operation

Ultrasonic scalpel product obtained NMPA registration certificate
Breakthrough in piezoelectric ceramic material technology

2021



Ultrasonic scalpel, trocar products selected in centralized procurement

Undertake Shenzhen's key technology research project
Breakthrough in titanium alloy material technology

2022



SURGSCI ultrasonic scalpel selected for the National Key Research and Development Program

Selected as a distinguished high-tech product in Guangdong Province.
SURGSCI Testing Center received a CNAS accreditation certificate from the nationally recognized laboratory.

2023



4000+ SQUARE METERS GMP FACTORY

The core team of the manufacturing center comes from well-known domestic and international medical device companies, possessing rich experience in production line management and quality control. The manufacturing center boasts a Class 100,000 cleanroom, a nationally recognized CNAS laboratory, and independent biological and physical-chemical laboratories. Products strictly adhere to the national standard quality system, with rigorous sterilization procedures and high-standard production processes, providing a strong guarantee for patient safety and peace of mind. Creating a 'flexible, efficient, and standardized' lean production model to enhance production efficiency, ensure the fulfillment of diverse customer needs, and guarantee product quality and delivery efficiency.



HIGH-QUALITY CUSTOMER SERVICE

customer-centered" service philosophy, the company provides comprehensive after-sales support and customized solutions to meet the special needs of customers from different countries and regions.



FIRST-CLASS PRODUCT QUALITY

Every product undergoes strict quality control and performance testing to ensure its reliability, durability, and safety. Providing users with efficient and precise medical solutions, it is a trusted medical device supplier in the global market.



RAPID DELIVERY SPEED

We have an efficient logistics network and supply chain management system, ensuring that every link from order processing to product delivery is efficient, accurate, and on time.

40+ COUNTRIES AND REGIONS

SURGSCI has become one of the leading enterprises in the domestic minimally invasive medical device industry. With excellent product performance and good customer satisfaction, SURGSCI has achieved good results in the domestic market. Currently, it is actively entering the international market. Through establishing partnerships, SURGSCI has brought minimally invasive medical devices to various parts of the world, continuously increasing its global influence.

ULTRASONIC SHEARS



GENERATOR



HAND PIECE



DISPOSABLE LAPAROSCOPIC TROCAR



DISPOSABLE
LIGATING
CLIP



DISPOSABLE
SUCTION
IRRIGATOR



UROLOGY
PRODUCTS



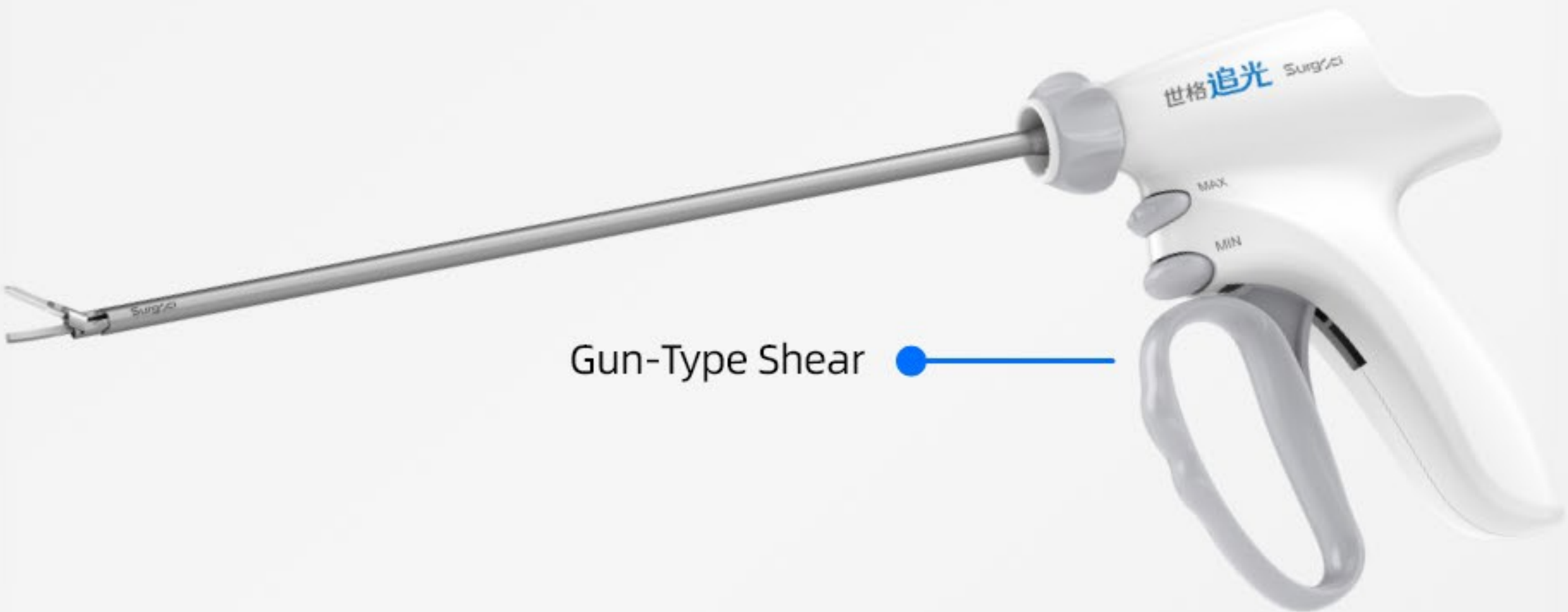
SINGEL-USE DIGITAL
FLEXIBLE
URETEROSCOPE



DISPOSABLE LAPAROSCOPIC
SPECIMEN RETRIEVAL
BAGSENERATOR



ULTRASONIC SHEARS



Gun-Type Shear



Scissor Shear



INTELLIGENCE



STRENGTH



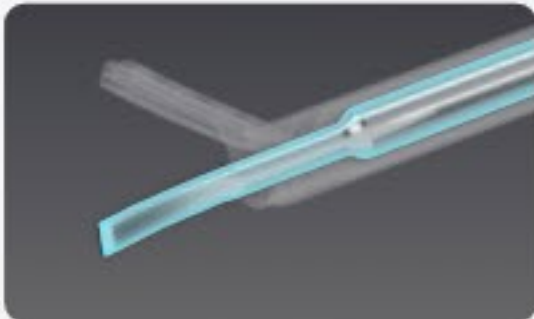
HIGH SPEED

Ultrasonic SHEARS

Using independently developed titanium alloy materials that are resistant to ultra-high cycle fatigue and have high acoustic transmission efficiency for the knife handle, it is enhanced with micro-nanostructure surface treatment technology and anti-adhesion technology.



A more refined blade tip and clamp mouth
Significantly enhances the precision of surgery



High-performance aerospace-grade titanium alloy material
Lower wear, longer lifespan



Patented clamping technology
Lower mist volume, clearer vision



Anti-adhesion patent technology
High resistance to adhesion, durable and long-lasting

Comparison of blade temperature experiments

Advantages in blade temperature



(The lower, the better)

Experimental comparison of blood vessel bursting pressure

Average venous burst pressure (mmHg)



(The lower, the better)

Average arterial burst pressure (mmHg)



(The higher, the better)

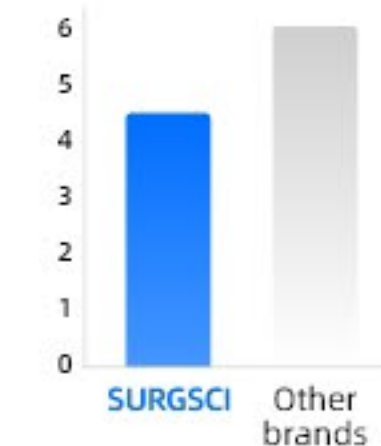
Cutting & sealing speed experimental comparison (Average time (s))

Arterial vessel cutting



(The lower, the better)

Arterial vessel closure



(The lower, the better)

Gun-Type Shear (closure model)	Model	Gun-Type Shear (open model)	Model	Length
	HK1405NCA HK1405SCA		HK1405NCB HK1405SCB	140mm
	HK2305NCA HK2305SCA		HK2305NCB HK2305SCB	230mm
	HK3605NCA HK3605SCA		HK3605NCB HK3605SCB	360mm
	HK4505NCA HK4505SCA		HK4505NCB HK4505SCB	450mm

Scissor Shear	Model	Length
	HK0905NC HK0905SC	90mm
	HK1705NC HK1705SC	170mm

GENERATOR



Powerful artificial intelligence algorithms intelligently output energy based on different surgeries

With years of underlying technology accumulation, SURGSCI has equipped the main unit with an NPU (Neural Processing Unit) processor, whose performance rivals that of a small AI workstation. It boasts a floating-point data computational capability of up to 3.6 TOPs (3.6 trillion operations per second), intelligently meeting the operational requirements of different surgeries. The entire system is optimally matched by a full stack of independently developed intelligent software, hardware circuits, handle transducers, and blades

- Equipped with a high-performance AI processor**
Powerful computing capability up to 3.6 trillion operations
- Tissue cutting warning prompt algorithm**
Precise impedance feedback, advanced warning
- Intelligent temperature detection prompt algorithm**
Real-time temperature monitoring, reducing risk

- Tissue-adaptive intelligent cutting algorithm**
Precise output, high cutting efficiency
- Metal instrument collision braking algorithm**
Precise monitoring, preventing accidents
- Low-temperature cutting control algorithm**
less thermal damage, higher safety

Model	Overview	Main unit configuration
G600	Features a full HD touch display and full-screen user interface for easy cleaning. Includes USB and RJ45 for updates and a touch power button with shutdown confirmation to prevent accidental turn-offs.	N P U 3.6 TOPs R A M 16 GB FLASH 512 GB

HAND PIECE



Independently developed high-performance piezoelectric ceramic material

Advanced assembly process, stable and reliable performance, no howling in working state, dustproof and waterproof structural design. Compatible with multiple ultrasonic main units through a conversion connector. The casing is made from aerospace aluminum alloy CNC machined. It has high strength and corrosion resistance.

- High power capacity**
High output power, outstanding performance
- Low heat generation easy maintenance**
High durability, not easily damaged
- High energy conversion efficiency**
Low energy loss, high surgical efficiency
- High stability, low temperature sensitivity**
Strong adaptability to working temperature, stable and safe performance

Product	model	description
	TD100	Gun-Type Shear
	TD150	Scissor Shear

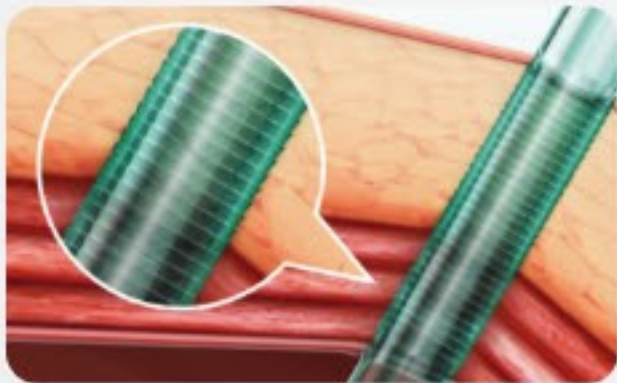
DISPOSABLE LAPAROSCOPIC TROCAR



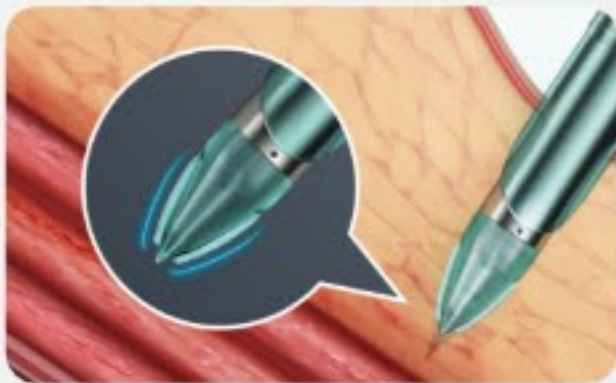
SURGSCI offers a variety of styles of trocar products.
The specifications are comprehensive, offering various set combinations to meet different needs and provide excellent airtightness. The innovative olive-shaped design offers a more comfortable grip.



Product advantages



Reverse-threaded sleeve design
Enhances abdominal wall fixation, preventing slipping



Dual "V" blade design with a bladeless tip
Separates tissue fibers instead of cutting, reducing trocar trauma to the abdominal wall and speeding up postoperative wound healing



Self-developed sealant material
Scratch-resistant, tear-resistant, providing reliable airtightness



High-flow insufflation valve design
High-flow insufflation valve design for faster pneumoperitoneum and more stable intra-abdominal pressure

Style	diameter	length	model
Endopass 	Φ5mm	75mm	TV05075
	Φ5mm	100mm	TV05100
	Φ5mm	150mm	TV05150
	Φ10mm	100mm	TV10100
	Φ10mm	150mm	TV10150
	Φ12mm	100mm	TV12100
	Φ12mm	150mm	TV12150
Easypass 	Φ3mm	65mm	TS03065
	Φ5mm	100mm	TS05100
	Φ10mm	100mm	TS10100
	Φ10mm	150mm	TS10150
	Φ12mm	100mm	TS12100
	Φ12mm	150mm	TS12150
	Φ15mm	100mm	TS15100
Bluntpass 	Φ10mm	100mm	TD10100
	Φ12mm	100mm	TD12100
Quickpass 	Φ5mm	75mm	TP05075
	Φ5mm	100mm	TP05100
	Φ10mm	100mm	TP10100
	Φ12mm	100mm	TP12100
Hassonpass 	Φ10mm	100mm	TH10100
	Φ12mm	100mm	TH12100
BalloonPass 	Φ5mm	100mm	TB05100
	Φ10mm	100mm	TB10100
	Φ12mm	100mm	TB12100
	Φ15mm	100mm	TB15100
Without Valve 	Φ5mm	75mm	TN05075
	Φ5mm	100mm	TN05100
	Φ5mm	150mm	TN10150

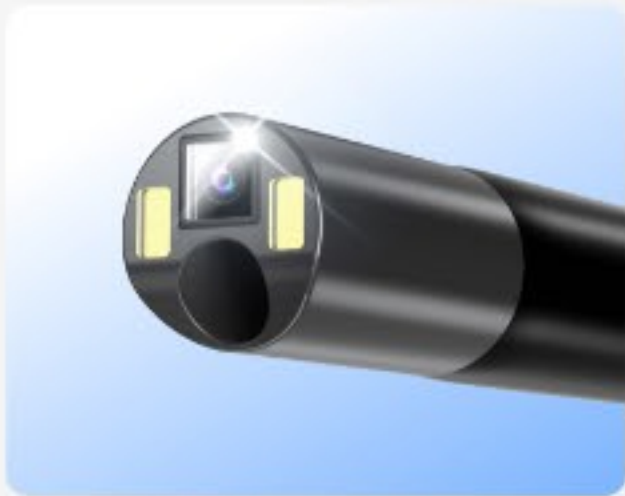
SINGEL-USE DIGITAL FLEXIBLE URETEROSCOPE



The disposable electronic ureteroscope is an advanced medical device specifically designed for endoscopic examination and treatment of the urinary system.



Dual LED matrix light source
multi-level brightness optimization adjustment



160,000-pixel high-definition CMOS
with a sleek design at the tip for easy insertion during surgery.

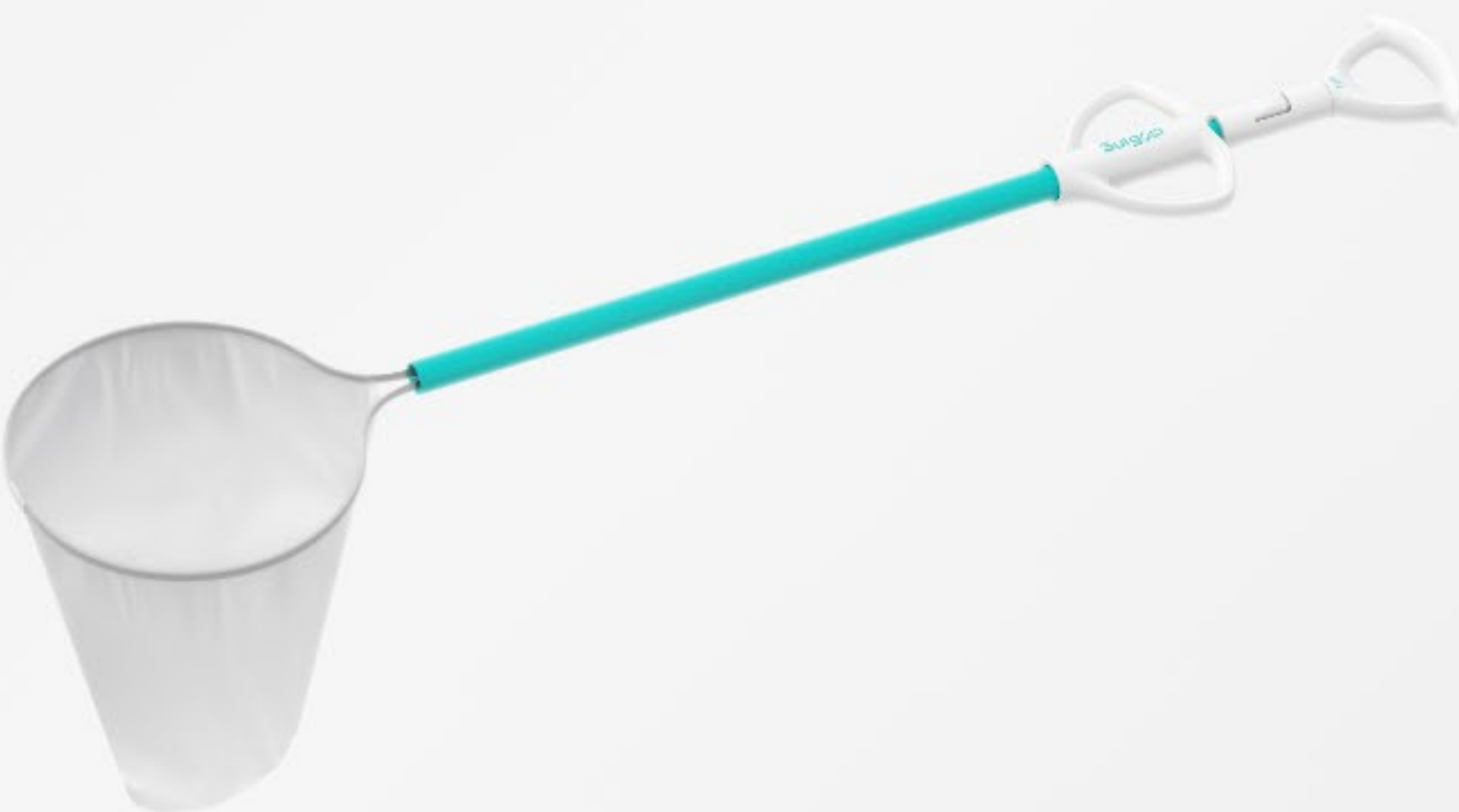


High-precision guide lever
Precise positioning without play



Better security and reliability
Single-use to avoid any cross-infection from endoscopes
1:1 torque, excellent coaxial

DISPOSABLE LAPAROSCOPIC SPECIMEN RETRIEVAL BAGSENERATOR



The disposable endoscopic specimen retrieval bag is mainly used for extracting human tissue samples/foreign bodies from the body during minimally invasive surgeries.



Available in multiple bag capacities
it can accommodate the extraction of specimens/foreign bodies from the body in various surgical procedures.



Featuring a detachable design
the retrieval bag can be completely separated from the sheath, providing greater flexibility during surgery.

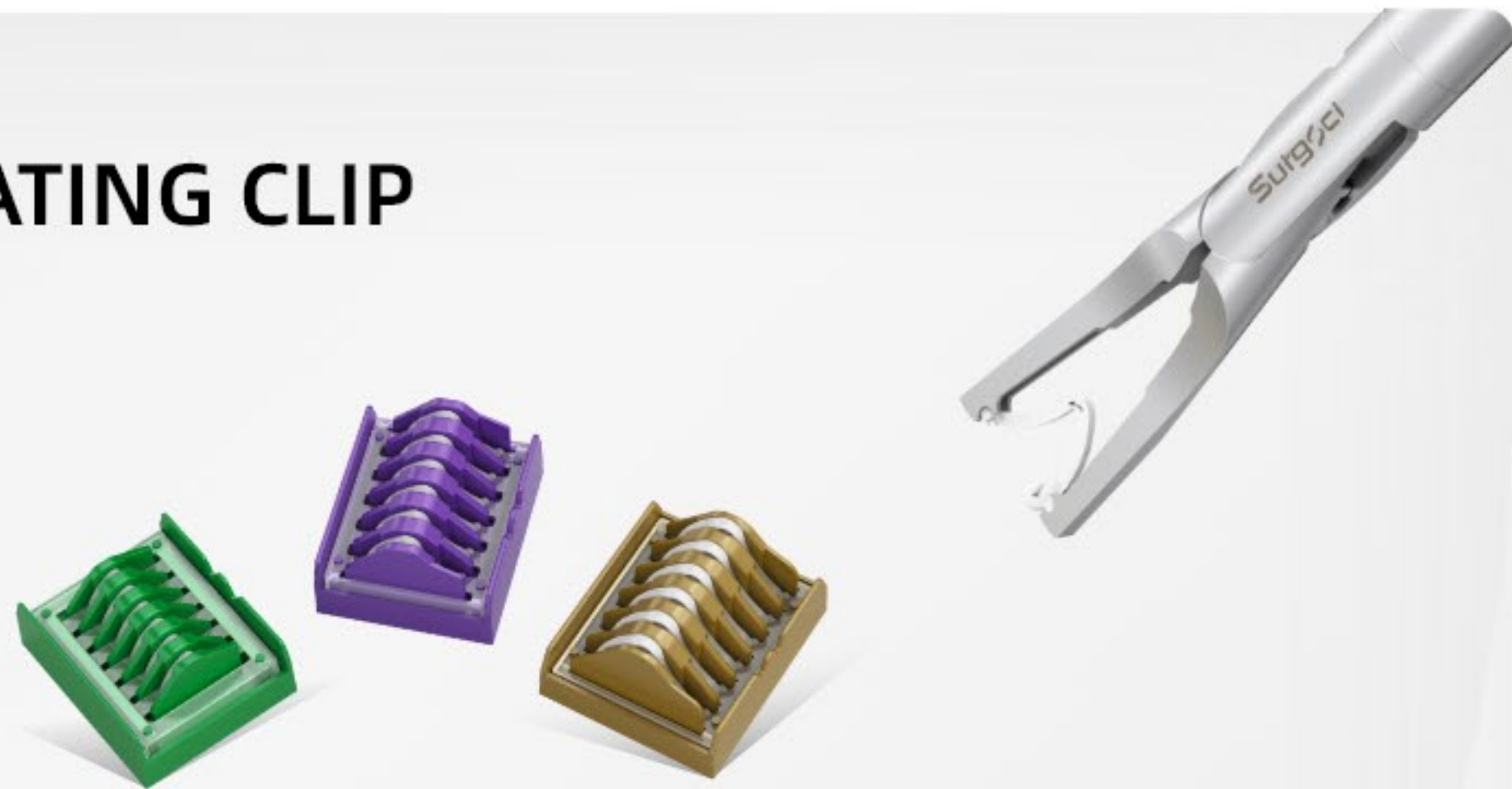


Bi-directional maximum deflection of 275°
excellent performance, flexible and reliable steering.

Inner diameter of the tube: 3.6Fr (1.2mm) Effective length: 670mm±10
Outer diameter of the tip: 8.4Fr (3.1mm) minimum visible distance: 2mm
Depth of field: 3-50mm Field of view: 90°
Field of view direction: 0° direct viewing

models	retrieval rod diameter	bag capacity (ml)
RB200A	10mm	200
RB400A	10mm	400
RB600A	10mm	600

DISPOSABLE LIGATING CLIP



The disposable ligating clip is suitable for clamping blood vessels and duct tissues in surgical operations, serving as a replacement for traditional suturing and ligation.

Compared to traditional surgical hemostats, the disposable ligating clip is more compact and offers greater flexibility in operation, making it particularly suitable for areas difficult to reach with hemostats, such as deep within narrowly spaced tissues.



Excellent closure performance

Featuring a safety lock design, the device offers a wide ligation range and comes with built-in prestress. It maintains tension throughout the tissue de-swelling process, making it less prone to loosening or shifting. This design is suitable for various types of surgeries.



High-performance medical materials

The product is made from Polyoxymethylene (POM), which has good biocompatibility and safety. It is radiolucent, causing no imaging interference. The product is sterilized with ethylene oxide and is for single use.



Medium-Large

Closure range: 3~5mm
Suitable for laparoscopic cholecystectomy



Large

Closure range: 4~8mm
A universal model with the most market potential



Extra-Large

Closure range: 9~12mm
Suitable for gynecology, urology, and gastrointestinal surgeries

Product type	model	barrel diameter	barrel length
	CA-03ML	5mm	330mm
	CA-03L	10mm	330mm
	CA-03XL	10mm	330mm
	CR-03ML	5mm	330mm
	CR-03XL	10mm	330mm

DISPOSABLE SUCTION IRRIGATOR



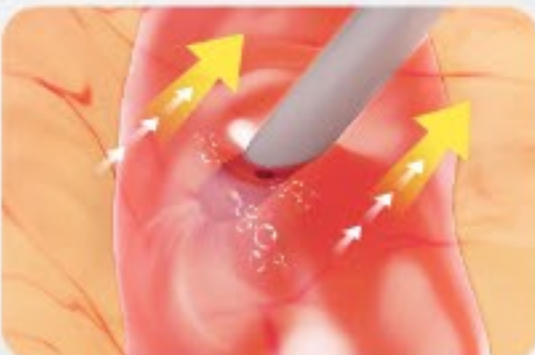
The disposable irrigation aspirator features an excellent ergonomic design. Available in various sizes for efficient performance, it supports multiple gripping methods, offering a more flexible operational experience.

Its proprietary internal sealing structure ensures stable and reliable sealing, while the fixed gear design reduces fatigue during use.



Irrigation mode

Can effectively rinse the wound area, restoring a clear field of view.



Suction mode

Quickly expels residual fluids from the body; designed with a sampling port, allowing for tissue fluid sampling during surgery.

model		Tube diameter	Tube length
	SITA03140	3mm	140mm
	SITA03330	3mm	330mm
	SITA05140	5mm	140mm
	SITA05280	5mm	280mm
	SITA05330	5mm	330mm
	SITA05380	5mm	380mm
	SITA05450	5mm	450mm
	SITA10140	10mm	140mm
	SITA10280	10mm	280mm
	SITA10330	10mm	330mm
	SITA10380	10mm	380mm
	SITA10450	10mm	450mm

DISPOSABLE URETERAL STENT KITS

- Made from imported high-polymer materials, offering excellent flexibility, durability, and biocompatibility.
- X-ray shows the product's clear imaging; offers single and double-ended designs for various clinical needs.
- The product offers a wide range of specifications, compatible with various guidewires, facilitating diverse clinical surgeries for doctors.
- Equipped with a fixing clip, which acts as a stop bracket, it is convenient, flexible, and quick to use.



model	Opening type	Bracket specification	Wire machine fixing clip
USJ 01 05	Single-ended	4.7 Fr	None
USJ 01 06	Single-ended	6.0 Fr	None
USJ 01 07	Single-ended	7.0 Fr	None
USJ 01 08	Single-ended	8.0 Fr	None
USJ 02 05	Double-ended	4.7 Fr	None
USJ 02 06	Double-ended	6.0 Fr	None
USJ 02 07	Double-ended	7.0 Fr	None
USJ 02 08	Double-ended	8.0 Fr	None

model	Opening type	Bracket specification	Wire machine fixing clip
USJ 01 05 T	Single-ended	4.7 Fr	Yes
USJ 01 06 T	Single-ended	6.0 Fr	Yes
USJ 01 07 T	Single-ended	7.0 Fr	Yes
USJ 01 08 T	Single-ended	8.0 Fr	Yes
USJ 02 05 T	Double-ended	4.7 Fr	Yes
USJ 02 06 T	Double-ended	6.0 Fr	Yes
USJ 02 07 T	Double-ended	7.0 Fr	Yes
USI 02 08 T	Double-ended	8.0 Fr	Yes

Disposable Ureteral Access Sheath

- Tubing is coated with hydrophilic layer, reducing urinary tract entry resistance and ureter wall damage during instrument exchanges.
- The tube incorporates a stainless steel wire reinforcement, offering good flexibility, bend resistance, and crush resistance.
- Sheath and expansion tube have a smooth transition for easier insertion, effectively increasing catheter placement success.
- The sheath is internally equipped with a spring coil, effectively enhancing its pushability.



model	Sheath inner diameter (Fr)	Sheath inner diameter (mm)	Sheath working length
UASA1035	10	3.3	350
UASA1045	10	3.3	450
UASA1055	10	3.3	550
UASA1235	12	4.09	350
UASA1245	12	4.09	450
UASA1255	12	4.09	550
UASA1435	14	4.63	350
UASA1445	14	4.63	450
UASA1455	14	4.63	550

规格型号	鞘管内径(Fr)	鞘管内径(mm)	鞘管工作长度
UASB1035	10	3.3	350
UASB1045	10	3.3	450
UASB1055	10	3.3	550
UASB1235	12	4.09	350
UASB1245	12	4.09	450
UASB1255	12	4.09	350
UASB1435	14	4.63	550
UASB1445	14	4.63	450
UASB1455	14	4.63	550

Disposable Minimally Invasive Dilatation Drainage Kits

- Expansion tube: Excellent in hardness and toughness, highly elastic. Gradual 2Fr expansion reduces insertion resistance and kidney injury bleeding.
- Sheath: Durable, smooth tearing, neat cross-section. Shorter conical end reduces renal perforation risks during surgery.
- Guide needle: Specially polished for clear imaging and sharp, straight punctures. Includes scale for easy positioning.
- Guidewire: Soft front, ultra-hard rear for smooth insertion and secure placement during puncture and expansion.



model	Sheath size (Fr) (Outer diameter of sheath)	Expansion tube size (Fr) (Outer diameter of expansion tube)	Guide needle size (Ga) (Outer diameter of guide needle)	Guidewire size (inch) (Outer diameter of guidewire)
UEDA18	18	8、10、12、14、16、18	None	None
UEDA20	20	10、12、14、16、18、20	None	None
UEDA22	22	12、14、16、18、20、22	None	None
UEDA18	18	8、10、12、14、16、18	18	0.035
UEDA20	20	10、12、14、16、18、20	18	0.035
UEDA22	22	12、14、16、18、20、22	18	0.035

Disposable urinary tract guide wire

- To better facilitate the guidewire's entry into the ureteral lumen, convenient for clinical application selection.
- Medical-grade PVP hydrophilic coating absorbs moisture for low-friction, smooth guidewire advancement.
- Medical-grade PVP hydrophilic coating absorbs moisture for low-friction, smooth guidewire advancement.
- Made from imported nickel-titanium alloy, it resists twisting even in extremely curved areas.



model	model	model	model
UGWA01815	UGWA03215	UGWB02815	UGWC03215
UGWA01815J	UGWA03215J	UGWB03215	UGWC03215J
UGWA02515	UGWA03515	UGWB03515	UGWC03515
UGWA02515J	UGWA03515J	UGWB03815	UGWC03515J
UGWA02815	UGWA03815	UGWC02815	UGWC03815
UGWA02815J	UGWA03815J	UGWC02815J	UGWC03815J

DISPOSABLE ENDO CUTTER STAPLER



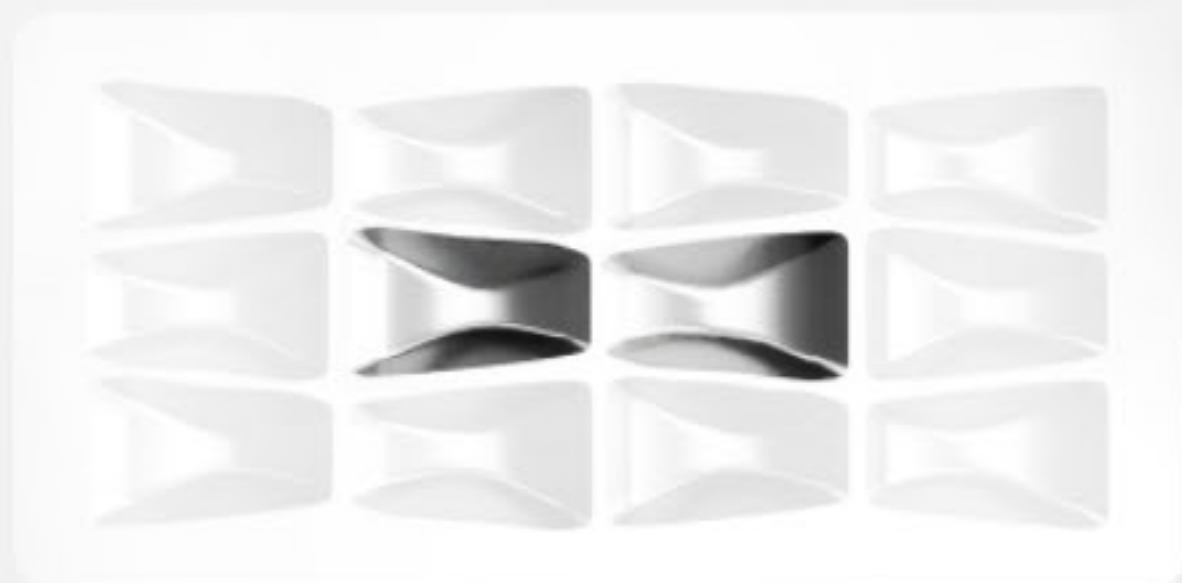
6-step nail height design

It possesses very high safety under all conditions, unlikely to cause bleeding and surrounding tissue damage. When suturing tissues, it's loosely external and tight internally, ensuring cutting quality and suture effectiveness.



Excellent suturing performance

The self-developed titanium staple suturing device has excellent biocompatibility. Tissue compression is uniform, staple deployment is complete and efficient without dropping, and it does not cause insufficient blood supply or leakage at the tissue ends.



Unique staple formation technology

Special staple guiding groove design ensures the staples form a B-shape.



Staple cartridge protrusion design

Designed to prevent tissue slippage, increase gripping force, reduce staple swaying, and ensure reliable staple formation.

Disposable laparoscopic linear stapler assembly specifications (titanium alloy staple cartridge)

Product specifications	model	Color	Length	Titanium staple height (mm)	Tissue thickness type
Standard type	ESRA03030	brown	30mm	2.5/2.5/3	Blood vessels ordinary tissues
	ESRA04030	purple		3/3.5/4	Normal tissue normal thickness
	ESRA03045	brown	45mm	2.5/2.5/3	Blood vessels ordinary tissues
	ESRA04045	purple		3/3.5/4	Normal tissue normal thickness
	ESRA05045	black		4/4.5/5	Extra thick texture
	ESRA03060	brown	60mm	2.5/2.5/3	Blood vessels ordinary tissues
	ESRA04060	purple		3/3.5/4	Normal tissue normal thickness
	ESRA05060	black		4/4.5/5	Extra thick texture
eagle beak style	ESRB03030	brown	30mm	2.5/2.5/3	Blood vessels ordinary tissues
	ESRB04030	purple		3/3.5/4	Normal tissue normal thickness
	ESRB03045	brown	45mm	2.5/2.5/3	Blood vessels ordinary tissues
	ESRB04045	purple		2.5/2.5/3	Normal tissue normal thickness
	ESRB05045	black		4/4.5/5	Extra thick texture
	ESRB03060	brown	60mm	2.5/2.5/3	Blood vessels ordinary tissues
	ESRB04060	purple		3/3.5/4	Normal tissue normal thickness
	ESRB05060	black		4/4.5/5	Extra thick texture

Specifications and dimensions of disposable laparoscopic linear staplers

model	diameter	length of staple	maximum suture length
ECSA12085	12mm	85mm	60mm
ECSA12155	12mm	155mm	60mm
ECSA12255	12mm	255mm	60mm



Independent R&D Strength

National high-tech enterprise specializing in cutting-edge innovations.
R&D team with 20 years of industry experience, serving clients in 40+ countries.



Manufacturing Strength

State-of-the-art facilities:
Cleanroom (Class 10,000 certified).
Independent biological and physical labs (CNAS accredited).
CNC machining center (ISO13485 compliant).



Product Quality Assurance

Seamless coordination from pre- to post-production.
High-quality standards for large-scale deliveries.



Sincere Service

Continuous 24-hour client communication.
Regular production updates for clear order status.

Minimally Invasive ODM/OEM Service Provider

Surgsci Medical specializes in minimally invasive surgery solutions. Leveraging deep industry experience, innovative R&D, and strict quality control, we aim to meet global healthcare market needs with efficient, safe medical products and services. Offering a wide range of customizable OEM/ODM products, our goal is to help partners design, develop, and manufacture innovative medical products through deep collaboration.