



Improving Human Health and Quality of Life



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DISPOSABLE  
LAPAROSCOPIC  
**TROCAR**



TROCAR SOLUTION

SURGSCI MEDICAL LTD.



SURGSCI MEDICAL LTD.

Surgsci focuses on the core technologies of minimally invasive surgery and their innovative applications. The company has established three major technological platforms: medical metal materials, polymer materials, and artificial intelligence algorithms. Surgsci has developed two primary product lines: surgical instruments and surgical consumables. It has successfully overcome key technological challenges, such as high-performance medical titanium alloy materials, high-performance piezoelectric ceramic materials, and AI-driven ultrasonic generator algorithms, resulting in the launch of intelligent ultrasonic surgical systems and multiple innovative surgical implants and consumables.

Currently, Surgsci leads national key R&D projects under the Ministry of Science and Technology and Shenzhen’s major technical research initiatives. The company has published two high-level international academic papers and filed over 140 domestic and international patents. Driven by the vision of improving people’s health and quality of life, Surgsci remains committed to clinical innovation, empowering doctors, benefiting patients, and contributing actively to the national healthcare industry.



MISSION Improving Human Health and Quality of Life



VISION Technological Innovation  
Empowering Doctors  
Benefiting Patients



PRODUCT CATALOGUE

DISPOSABLE LAPAROSCOPIC TROCAR



01

BalloonPass



03

Endopass



05

Easypass



07

Hassonpass



09

Quickpass



11



BalloonPass



Endopass



Quickpass



Hassonpass



Easypass



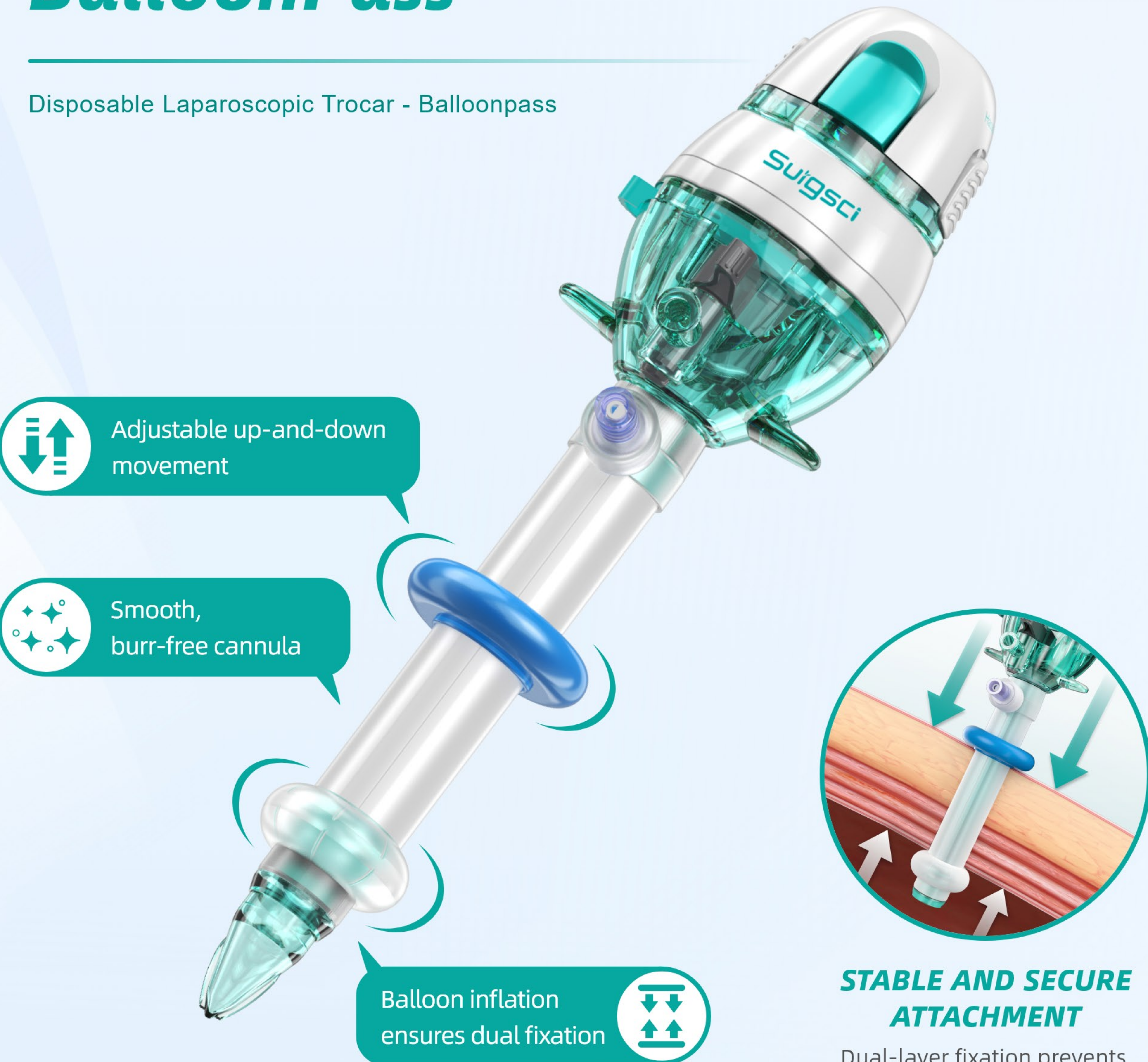
# DISPOSABLE LAPAROSCOPIC TROCAR

Offering a variety of trocar products: complete specifications to meet diverse combination needs, excellent airtightness, and a comfortable feel.

-  Comfortable Grip
-  Complete Specifications
-  Fully Detachable
-  Stable and Reliable
-  Double Sealing
-  Excellent Airtightness
-  Extra-Large Flow Channel
-  Secure Fit

# BalloonPass

Disposable Laparoscopic Trocar - Balloonpass

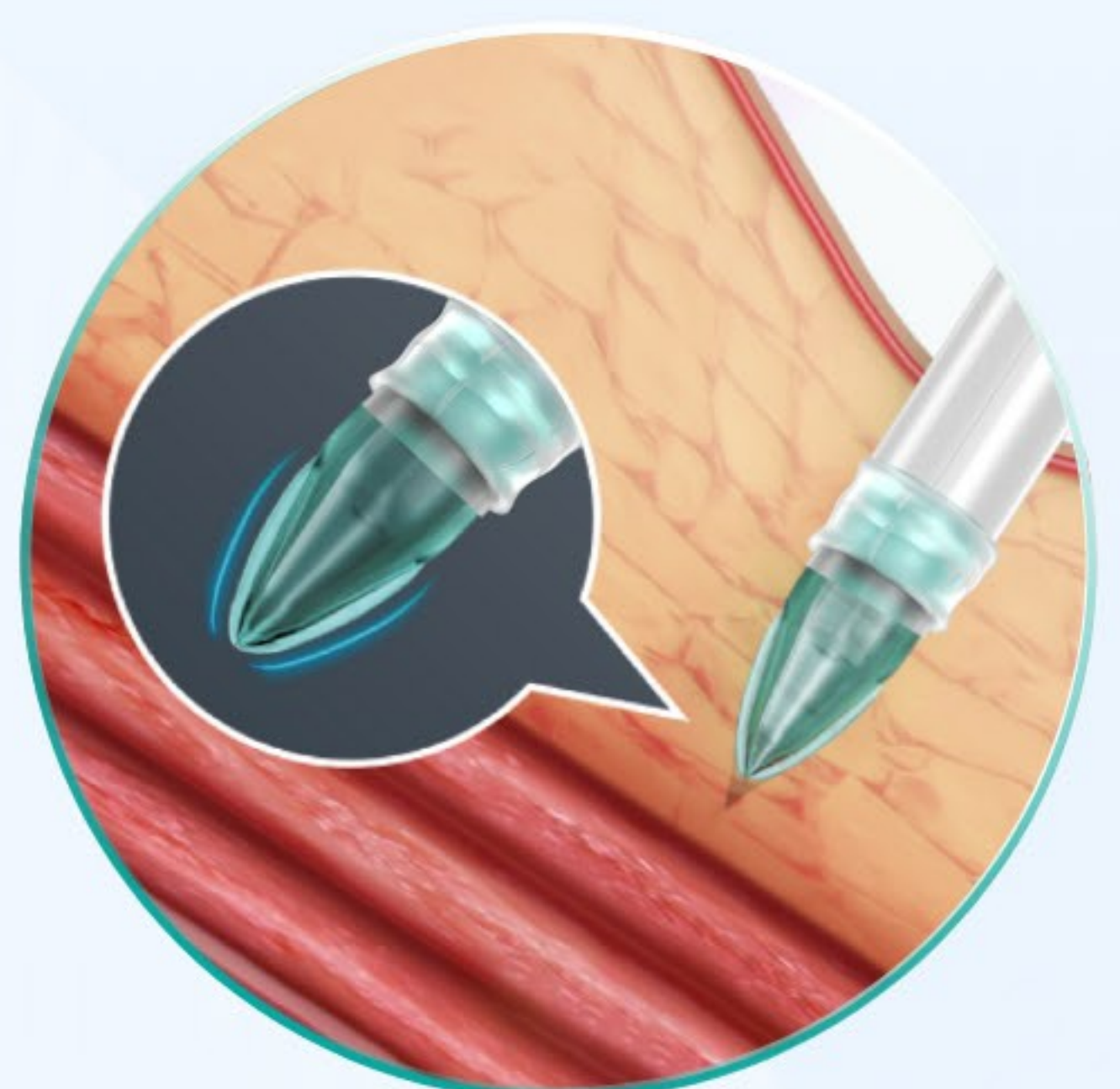


## STABLE AND SECURE ATTACHMENT

Dual-layer fixation prevents trocar cannula slippage during surgery

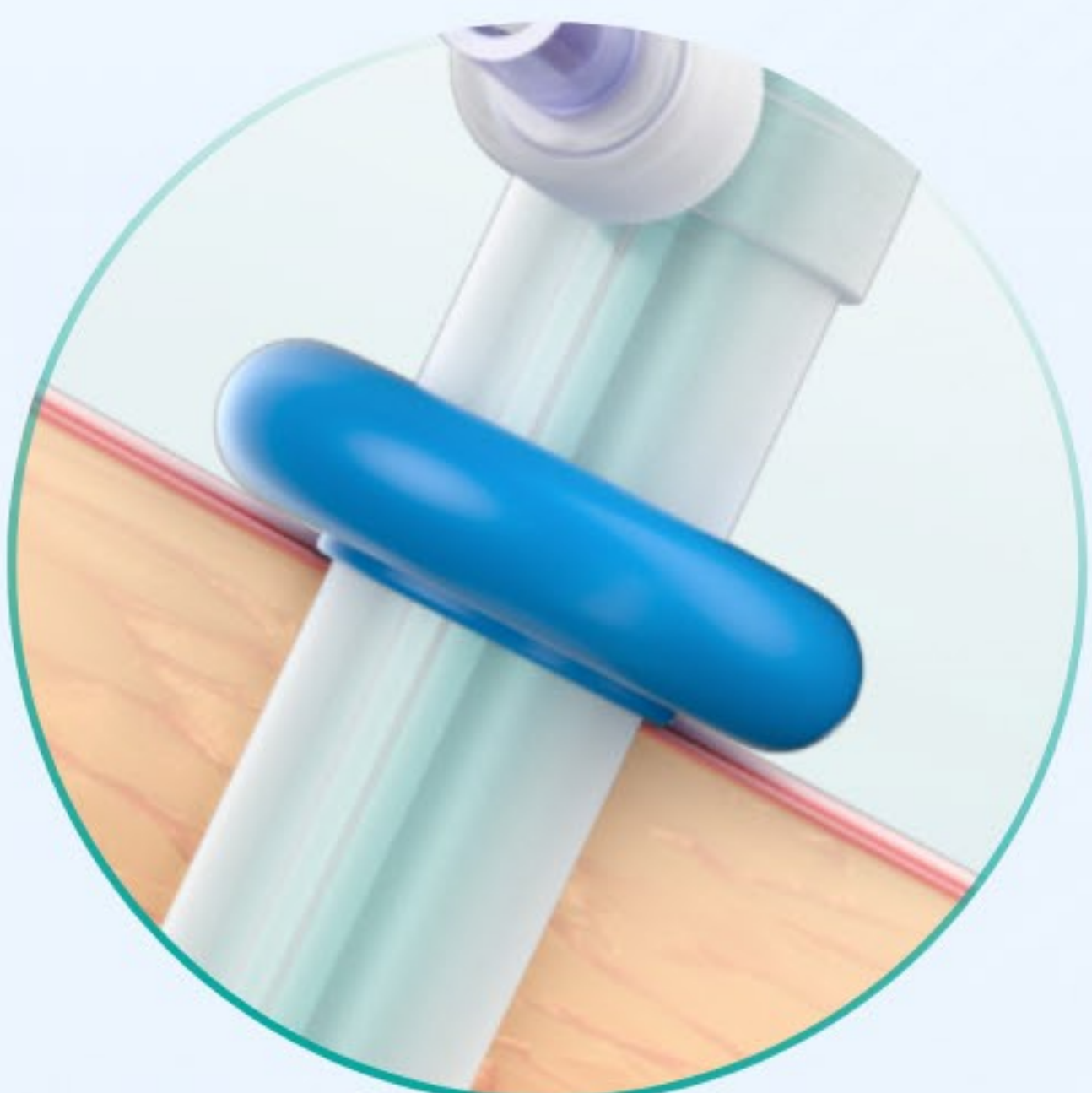
## BalloonPass

Secure fixation prevents slippage, while the smooth cannula reduces damage, bleeding, and air leakage. Dual sealing ensures cleanliness, and the detachable structure improves flexibility. Shallower insertion enhances the surgical field, and the large flow channel speeds pneumoperitoneum creation for safer, more efficient operations.



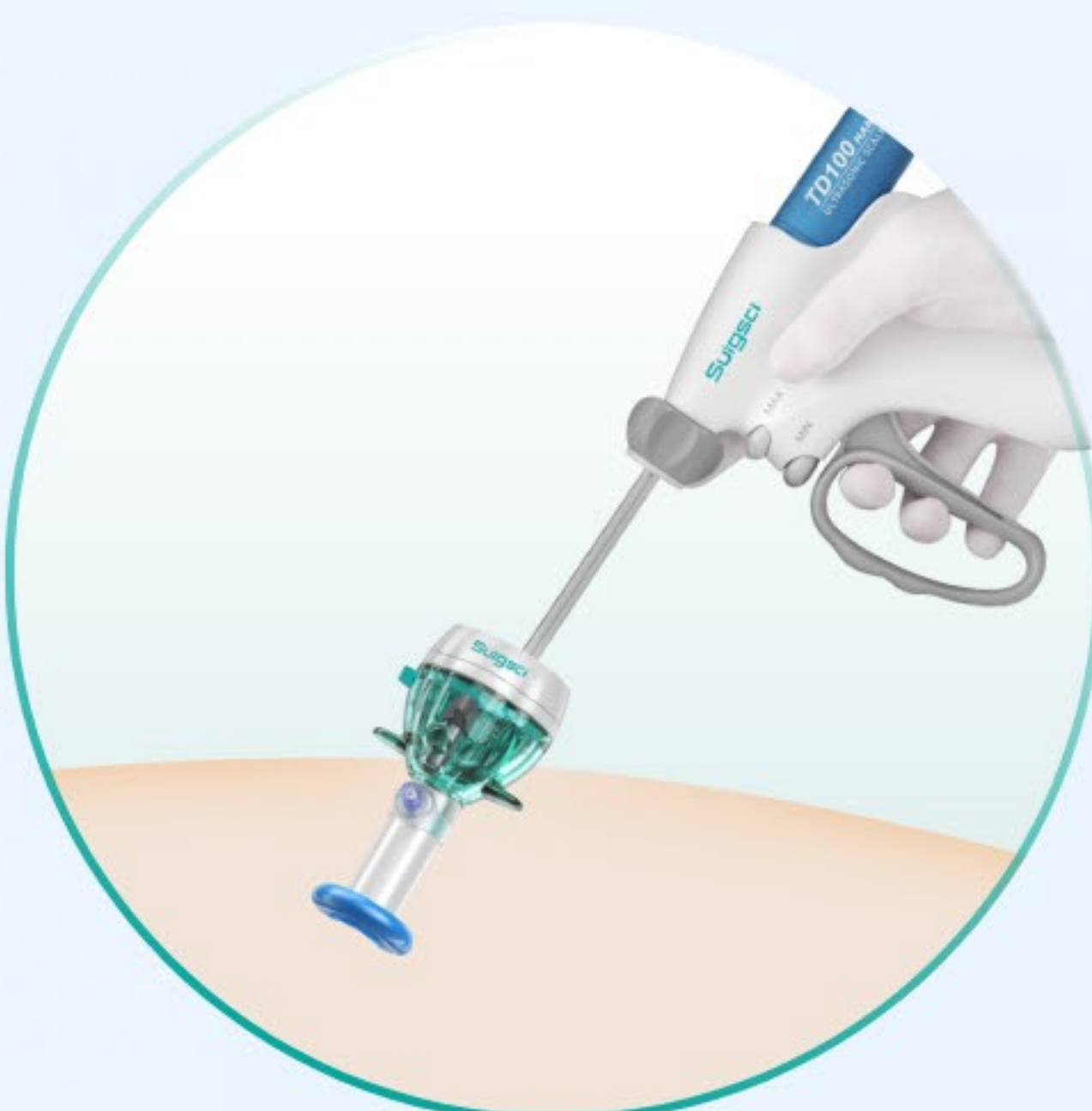
## Blade-free Visual Tip High Transparency

High-transparency conical tip for clear view, gentle fiber separation, and accelerated healing.



## Fixation Ring

Prevents trocar displacement, ensuring safety and sealing



## Dynamic Sealing

Low resistance with excellent sealing for smooth operation



## Durable Material

Scratch-resistant, tear-proof, and flexible for lasting performance



## Rapid Airflow Design

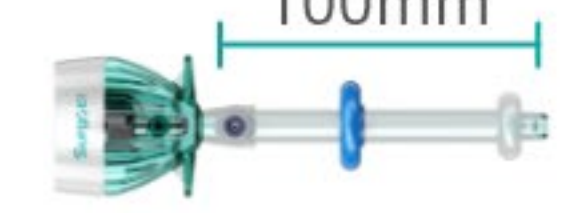
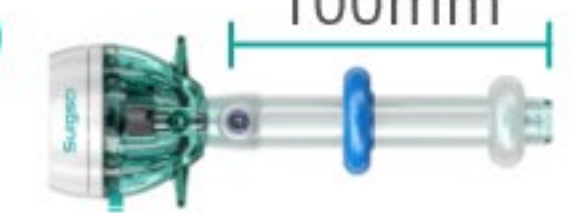
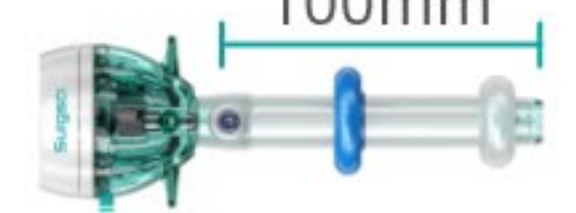
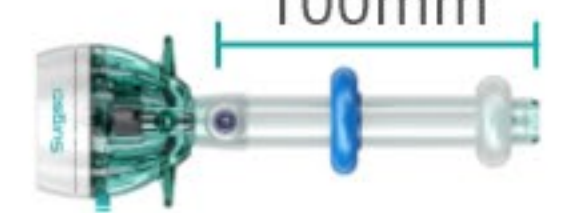
Establishes pneumoperitoneum quickly, stabilizing pressure



## Dual Sealing

Enhanced sealing with a cloverleaf valve to prevent leaks and ensure safety.

|                                                                                       |                |               |                  |
|---------------------------------------------------------------------------------------|----------------|---------------|------------------|
|  | Diameter: 5mm  | Length: 100mm | <b>TB 5x100</b>  |
|  | Diameter: 10mm | Length: 100mm | <b>TB 10x100</b> |
|  | Diameter: 11mm | Length: 100mm | <b>TB 11x100</b> |
|  | Diameter: 12mm | Length: 100mm | <b>TB 12x100</b> |
|  | Diameter: 15mm | Length: 100mm | <b>TB 15x100</b> |

|                          |                                                                                             |                            |                                                                                             |                            |                                                                                             |                            |                                                                                             |
|--------------------------|---------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------------|
| <b>TCB 5X100</b><br>φ5mm |  100mm | <b>TCB 10X100</b><br>φ10mm |  100mm | <b>TCB 11X100</b><br>φ11mm |  100mm | <b>TCB 12X100</b><br>φ12mm |  100mm |
|--------------------------|---------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------------|

# Endopass

Disposable Laparoscopic Trocar - Endopass



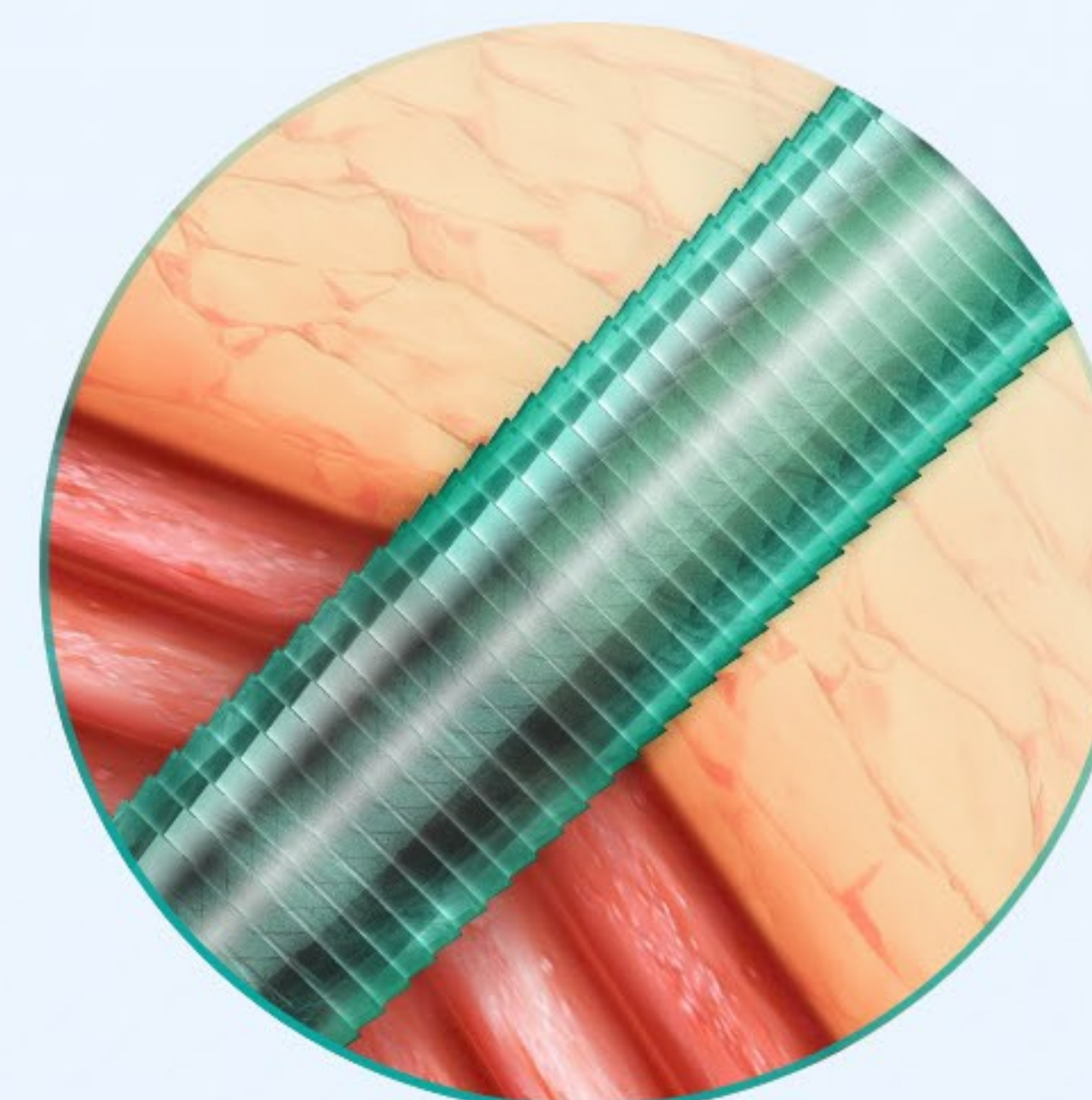
## Endopass

Up to seven specifications with a transparent design for camera observation. Tapered tip reveals tissue layers, anti-fog system ensures clarity, and integrates with hospital camera systems. Reduces blind puncture risk, boosts success rate, lowers complications, suits obese and post-surgery patients, enhancing safety and confidence.



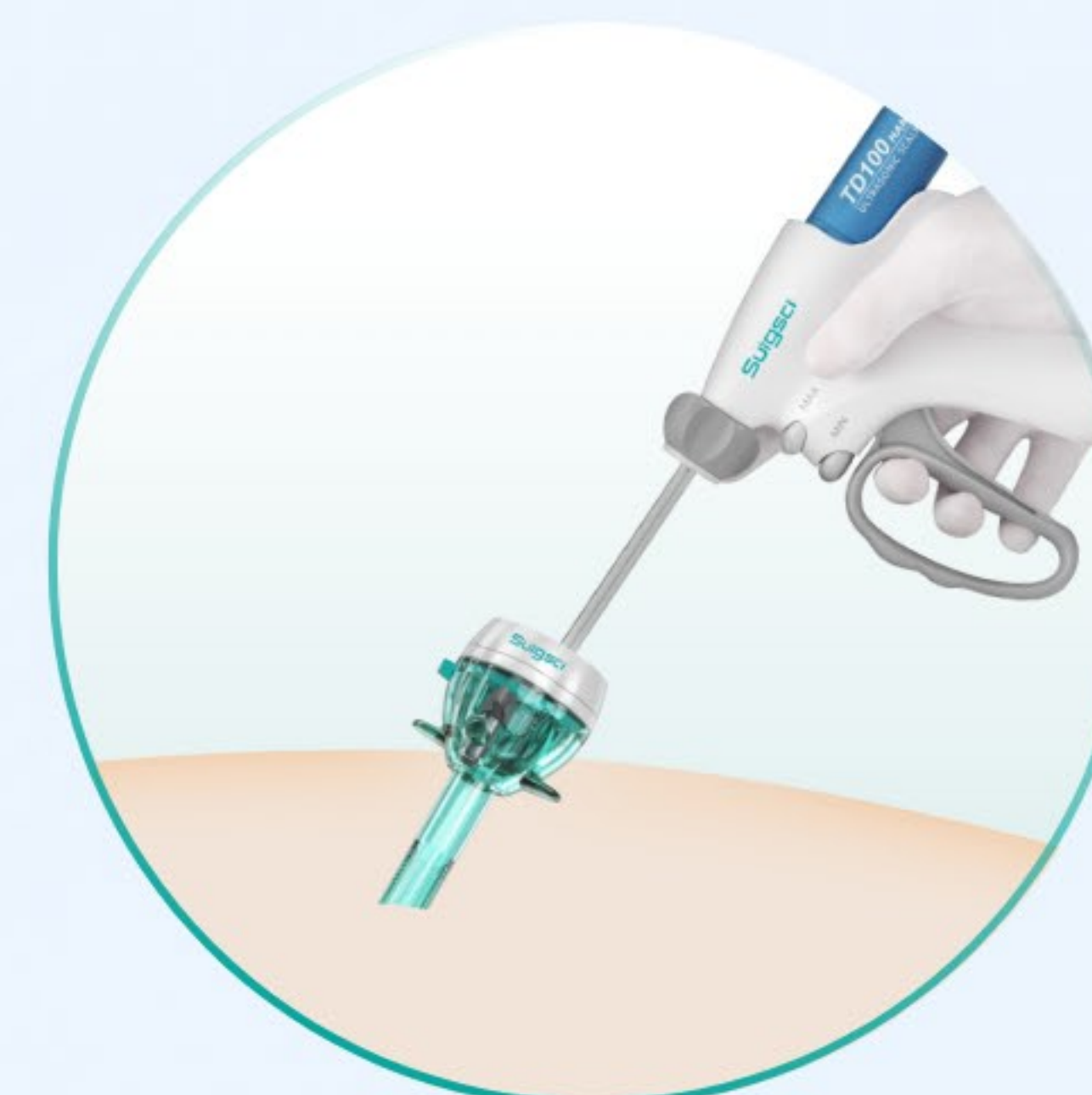
### Blade-free Visual Tip High Transparency

High-transparency conical tip for clear view, gentle fiber separation, and accelerated healing.



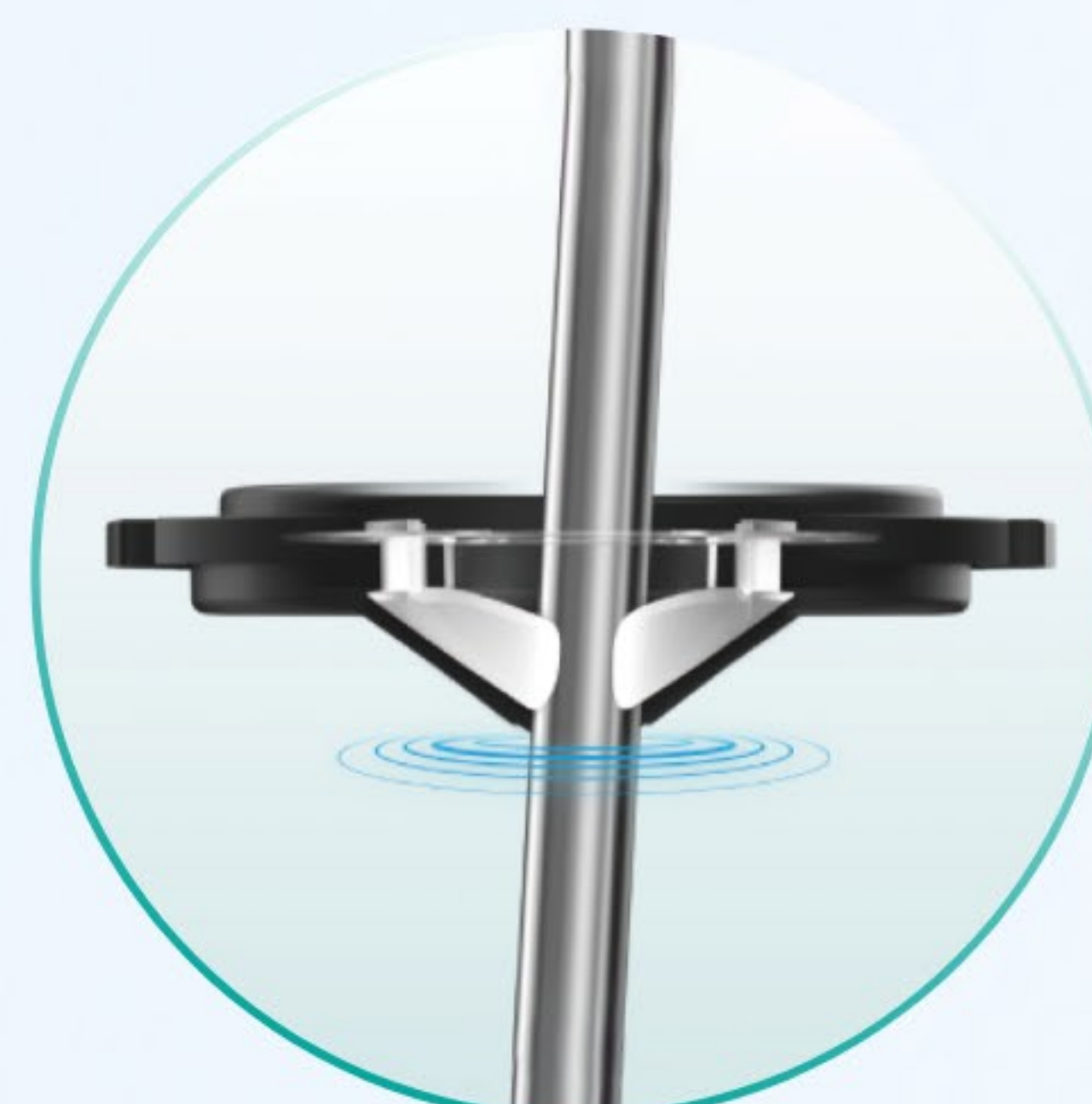
### Elastic Fins

Elastic fins with silicone wings close during insertion and open for secure, low-damage fixation



### Dynamic Sealing

Low resistance with excellent sealing for smooth operation



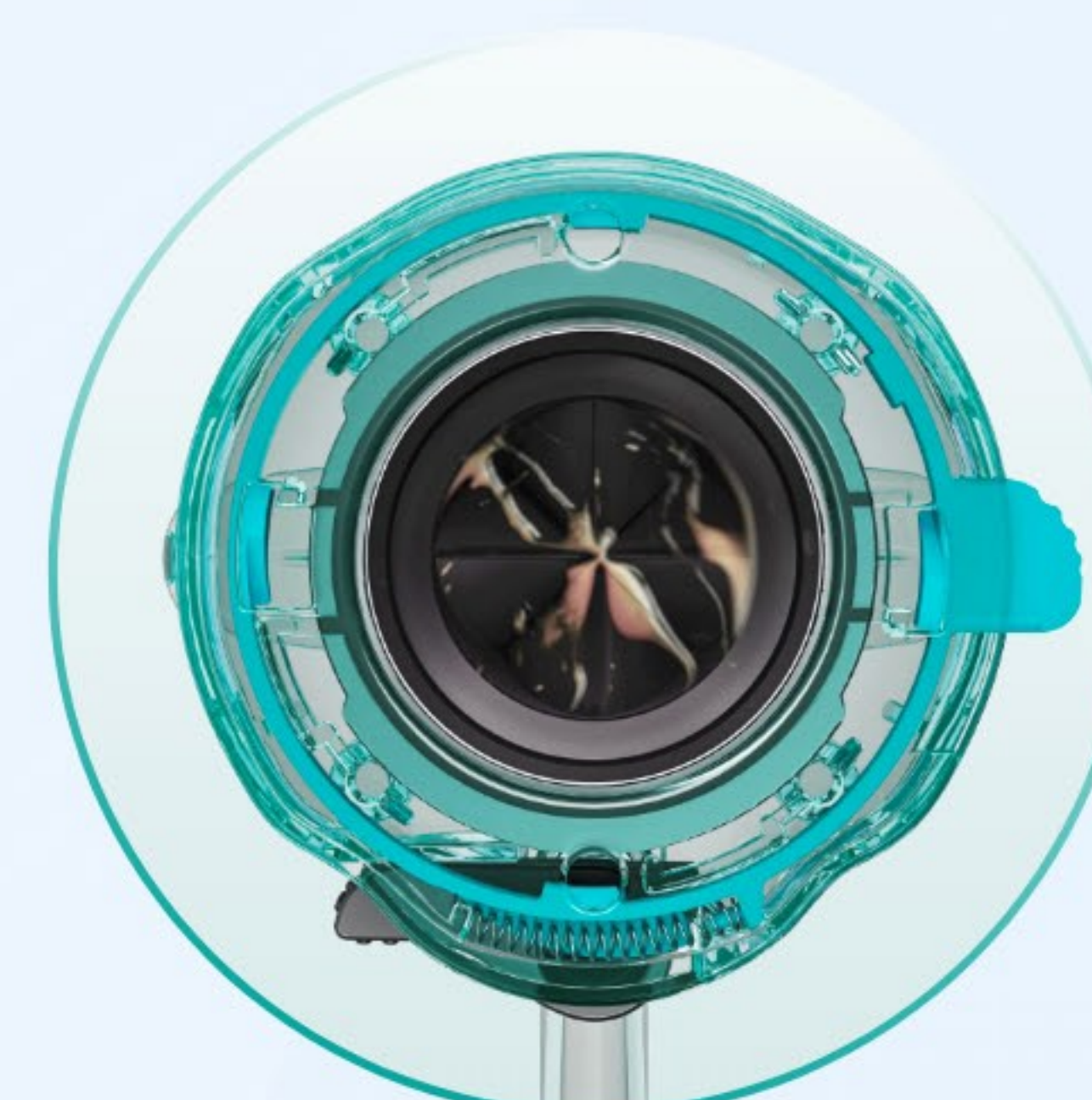
### Durable Material

Scratch-resistant, tear-proof, and flexible for lasting performance



### Rapid Airflow Design

Establishes pneumoperitoneum quickly, stabilizing pressure



### Dual Sealing

Enhanced sealing with a cloverleaf valve to prevent leaks and ensure safety.

|                                                                                       |                |              |                  |
|---------------------------------------------------------------------------------------|----------------|--------------|------------------|
|  | Diameter: 5mm  | Length:75mm  | <b>TV 5x75</b>   |
|                                                                                       |                | Length:100mm | <b>TV 5x100</b>  |
|                                                                                       |                | Length:150mm | <b>TV 5x150</b>  |
|  | Diameter: 10mm | Length:100mm | <b>TV 10x100</b> |
|                                                                                       |                | Length:150mm | <b>TV 10x150</b> |
|  | Diameter: 11mm | Length:100mm | <b>TV 11x100</b> |
|                                                                                       |                | Length:150mm | <b>TV 11x150</b> |
|  | Diameter: 12mm | Length:100mm | <b>TV 12x100</b> |
|                                                                                       |                | Length:150mm | <b>TV 12x150</b> |

|                         |                                                                                            |                          |                                                                                             |                            |                                                                                             |                            |                                                                                             |                            |                                                                                             |
|-------------------------|--------------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------------|
| <b>TCU 5X75</b><br>φ5mm |  75mm | <b>TCU 5X100</b><br>φ5mm |  100mm | <b>TCU 10X100</b><br>φ10mm |  100mm | <b>TCU 11X100</b><br>φ11mm |  100mm | <b>TCU 12X100</b><br>φ12mm |  100mm |
|-------------------------|--------------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------------|

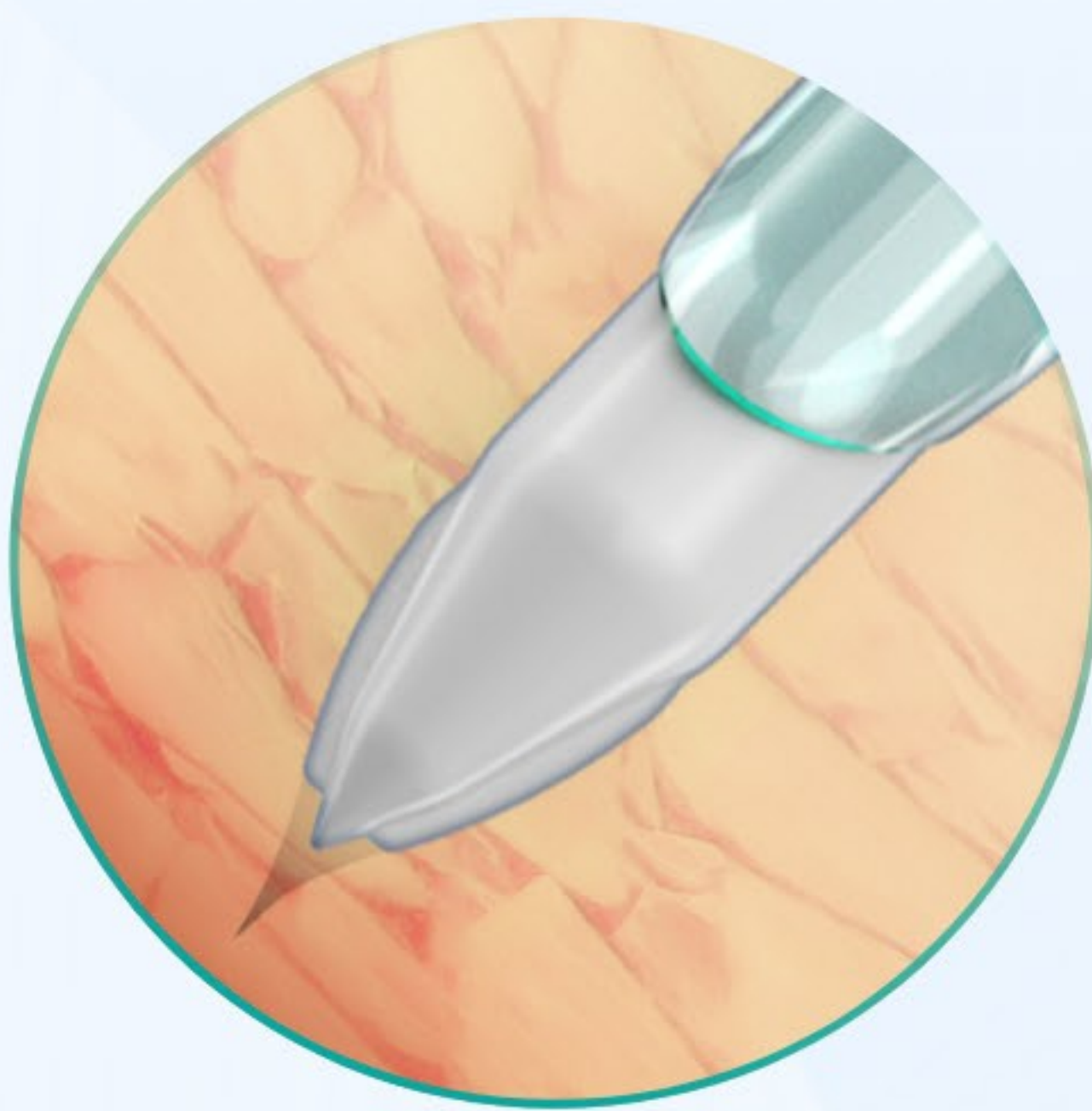
Easypass

Disposable Laparoscopic Trocar - Easypass



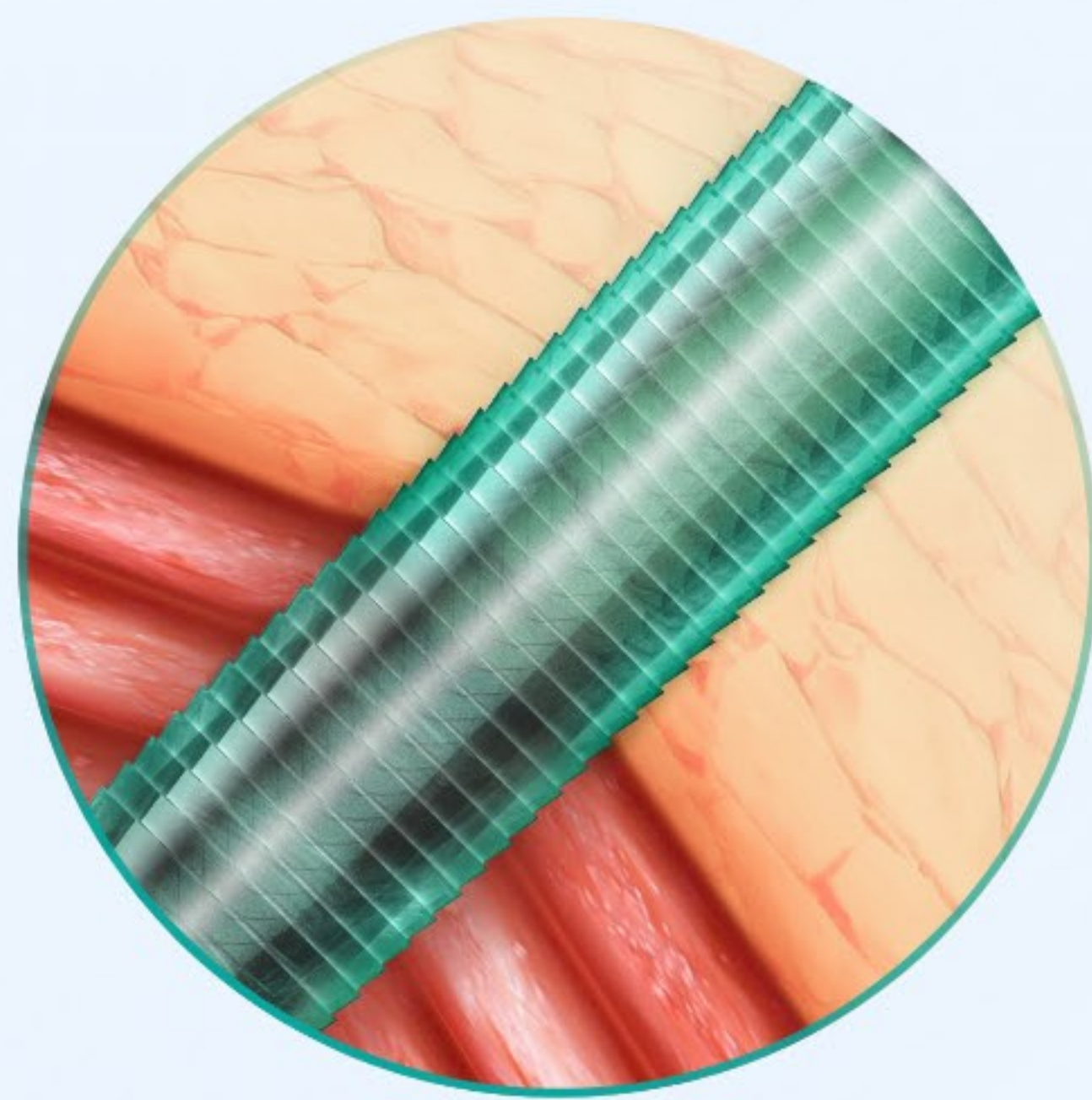
Easypass

Up to five specifications with a lightweight, user-friendly design. Sharp tip ensures smooth wall penetration, standard cannula provides stability, and sealing system maintains pneumoperitoneum. Cost-effective, compatible, easy to use, reduces prep time, and minimizes fatigue—ideal for laparoscopic surgeries.



Dual "V" Bladeless Tip

Smooth and sharp tapered transition enables easy fiber separation, reducing trauma and accelerating healing



Elastic Fins

Silicone wings close during insertion, open for secure, low-damage fixation



Dynamic Sealing

Low resistance with excellent sealing for smooth operation



Durable Material

Scratch-resistant, tear-proof, and flexible for lasting performance



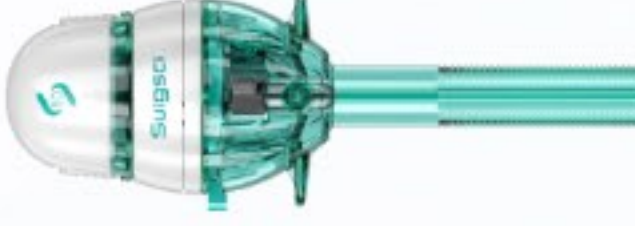
Rapid Airflow Design

Establishes pneumoperitoneum quickly, stabilizing pressure



Dual Sealing

Enhanced sealing with a cloverleaf valve to prevent leaks and ensure safety.

|                                                                                       |                |               |           |
|---------------------------------------------------------------------------------------|----------------|---------------|-----------|
|  | Diameter: 3mm  | Length: 65mm  | TS 3x65   |
|  | Diameter: 5mm  | Length: 100mm | TS 5x100  |
|  | Diameter: 10mm | Length: 100mm | TS 10x100 |
|  | Diameter: 11mm | Length: 100mm | TS 11x100 |
|  | Diameter: 12mm | Length: 100mm | TS 12x100 |
|  | Diameter: 15mm | Length: 100mm | TS 15x100 |

# Hassonpass

Disposable Laparoscopic Trocar - Hassonpass



## HassonPass

Blunt tip prevents organ damage, tapered cannula ensures sealing, and fixation wings provide support. Suture anchors and wire posts secure the cannula, ideal for patients with prior abdominal surgeries.



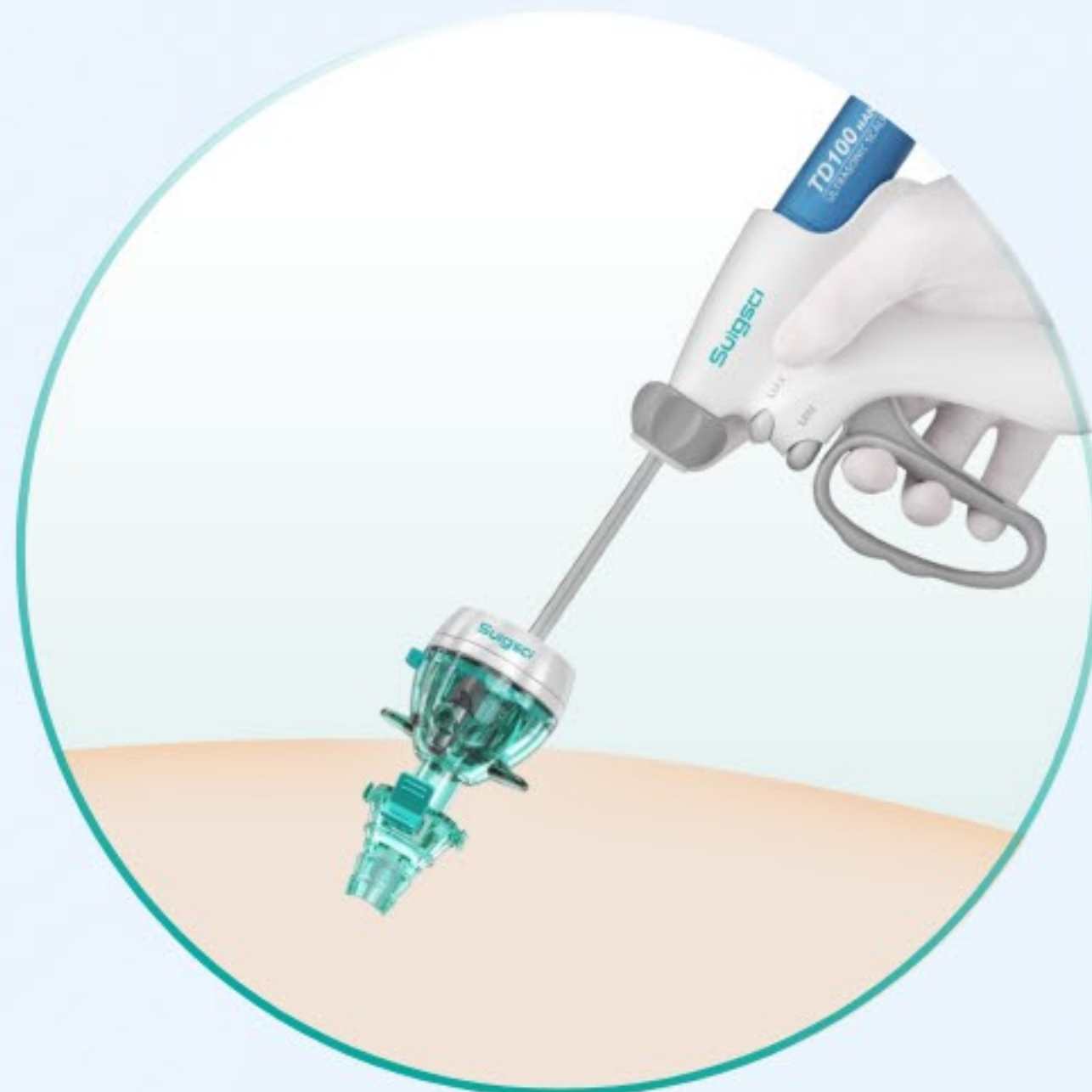
### Blunt-Tip Design

Reduces accidental puncture risk and organ or vascular injury by 75%, ideal for patients with prior abdominal surgeries.



### Adjustable Tapered Fixation Wing System

3djustable tapered wings provide 360° support, adapt to wall thickness, ensure sealing, and stabilize pneumoperitoneum pressure.



### Dynamic Sealing

Low resistance with excellent sealing for smooth operation



### Durable Material

Scratch-resistant, tear-proof, and flexible for lasting performance



### Rapid Airflow Design

Establishes pneumoperitoneum quickly, stabilizing pressure



### Dual Sealing

Enhanced sealing with a cloverleaf valve to prevent leaks and ensure safety

|  |                |                    |           |
|--|----------------|--------------------|-----------|
|  | Diameter: 10mm | Comprimento: 100mm | TH 10×100 |
|  | Diameter: 11mm | Comprimento: 100mm | TH 11×100 |
|  | Diameter: 12mm | Comprimento: 100mm | TH 12×100 |

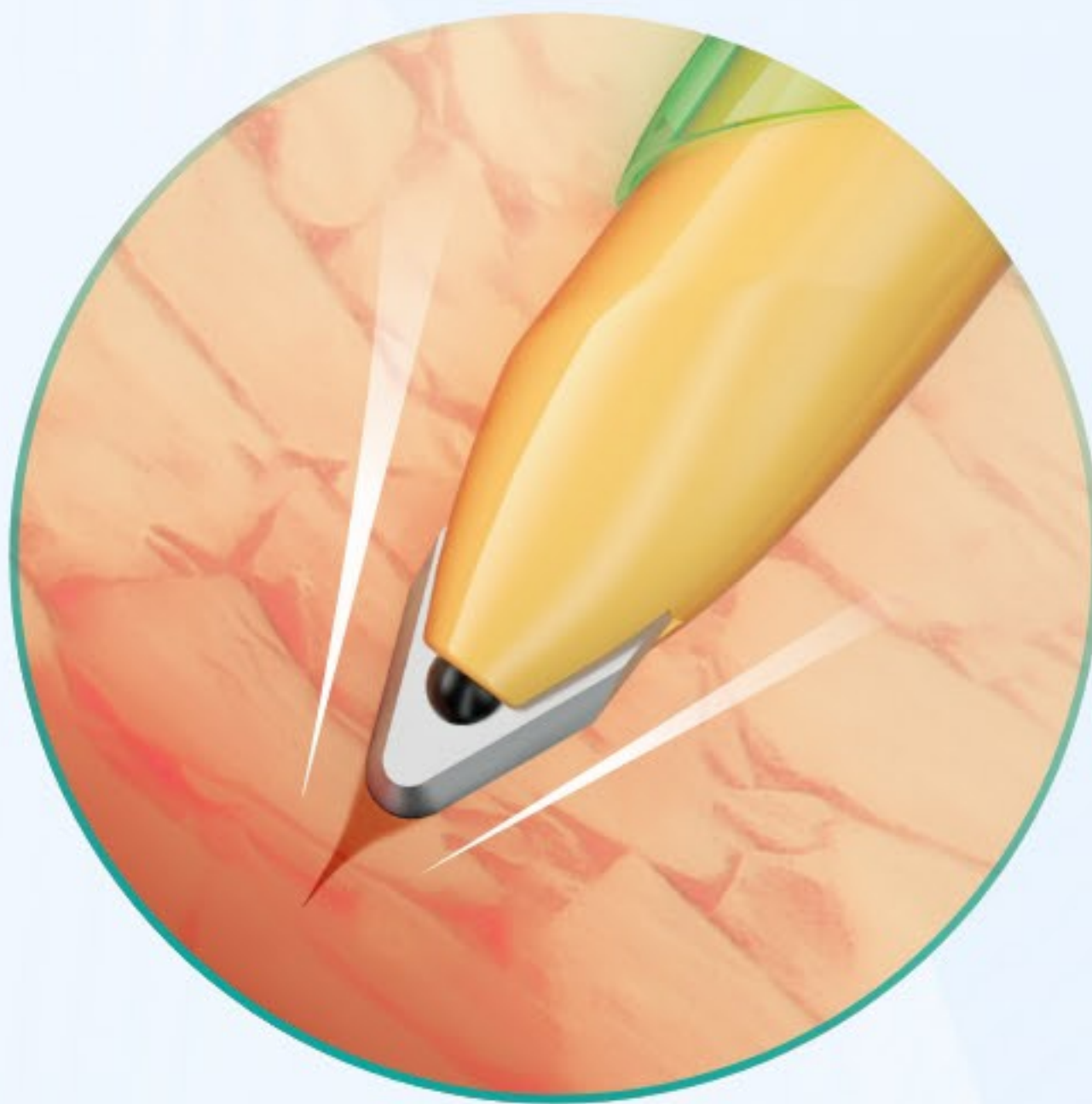
# Quickpass

Disposable Laparoscopic Trocar - Quickpass



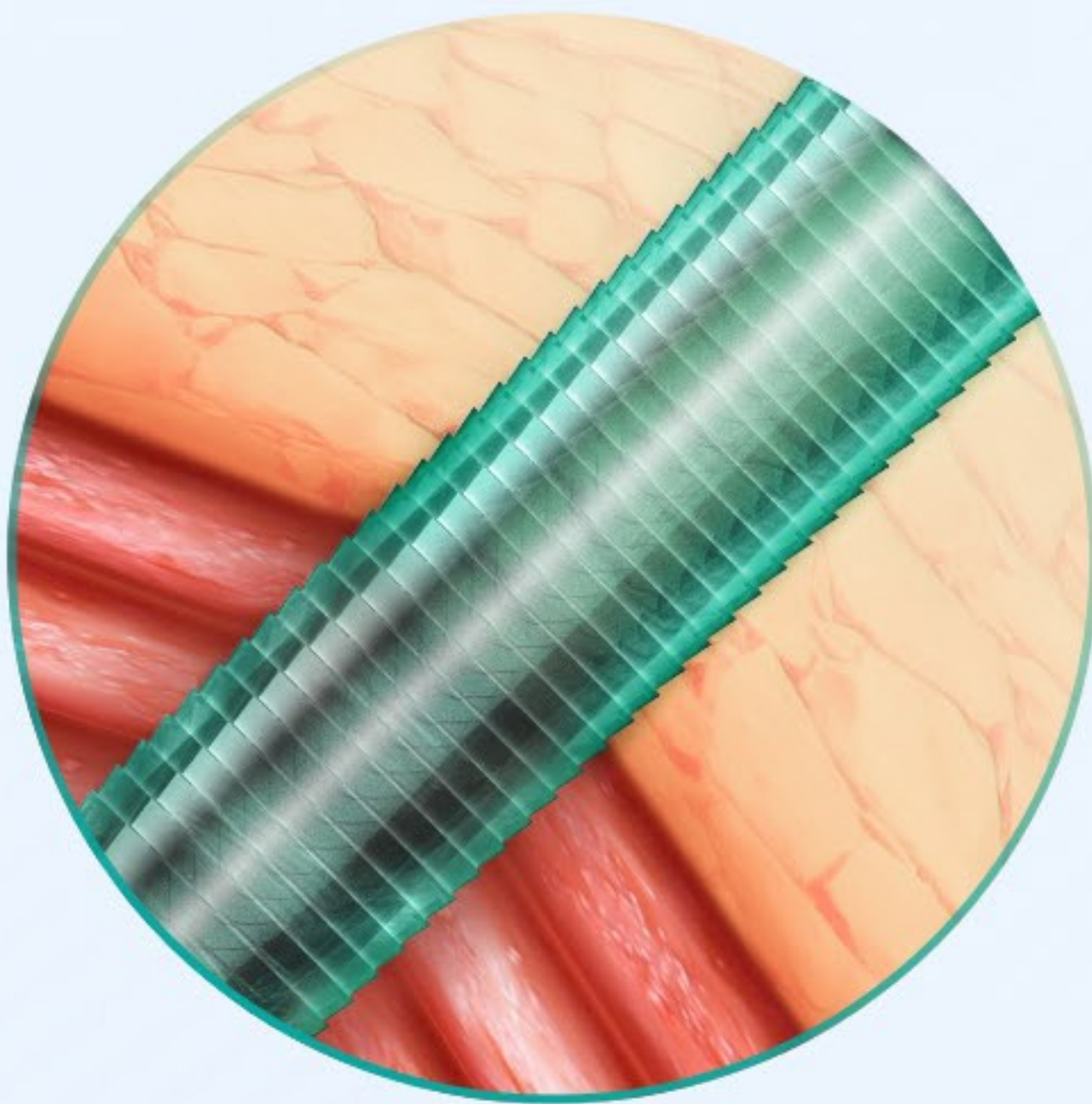
## Quickpass

Up to four specifications with precision cutting, sharp triangular blades, and retractable protection. Efficient puncture, clean incisions, reduced strain, and streamlined design enhance safety and speed.



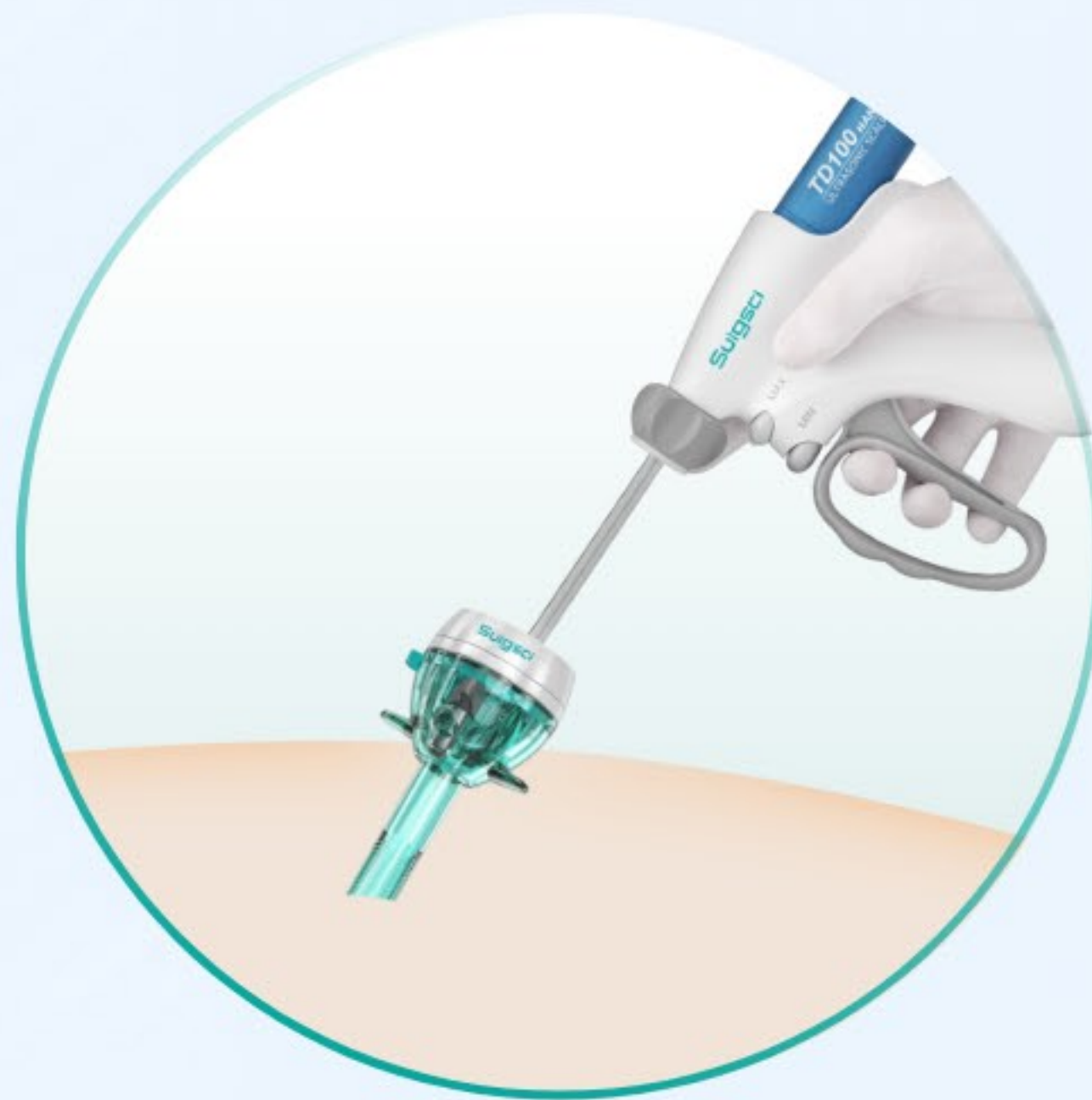
### Automatic Puncture Protection System

Equipped with a protective sheath prevents blade damage and accidental organ injury



### Elastic Fins

Silicone wings close during insertion, open for secure, low-damage fixation



### Dynamic Sealing

Low resistance with excellent sealing for smooth operation



### Durable Material

Scratch-resistant, tear-proof, and flexible for lasting performance



### Rapid Airflow Design

Establishes pneumoperitoneum quickly, stabilizing pressure



### Dual Sealing

Enhanced sealing with a cloverleaf valve to prevent leaks and ensure safety

|  |                |               |           |
|--|----------------|---------------|-----------|
|  | Diameter: 5mm  | Length: 100mm | TP 5x100  |
|  | Diameter: 10mm | Length:100mm  | TP 10x100 |
|  | Diameter: 11mm | Length: 100mm | TP 11x100 |
|  | Diameter: 12mm | Length: 100mm | TP 12x100 |