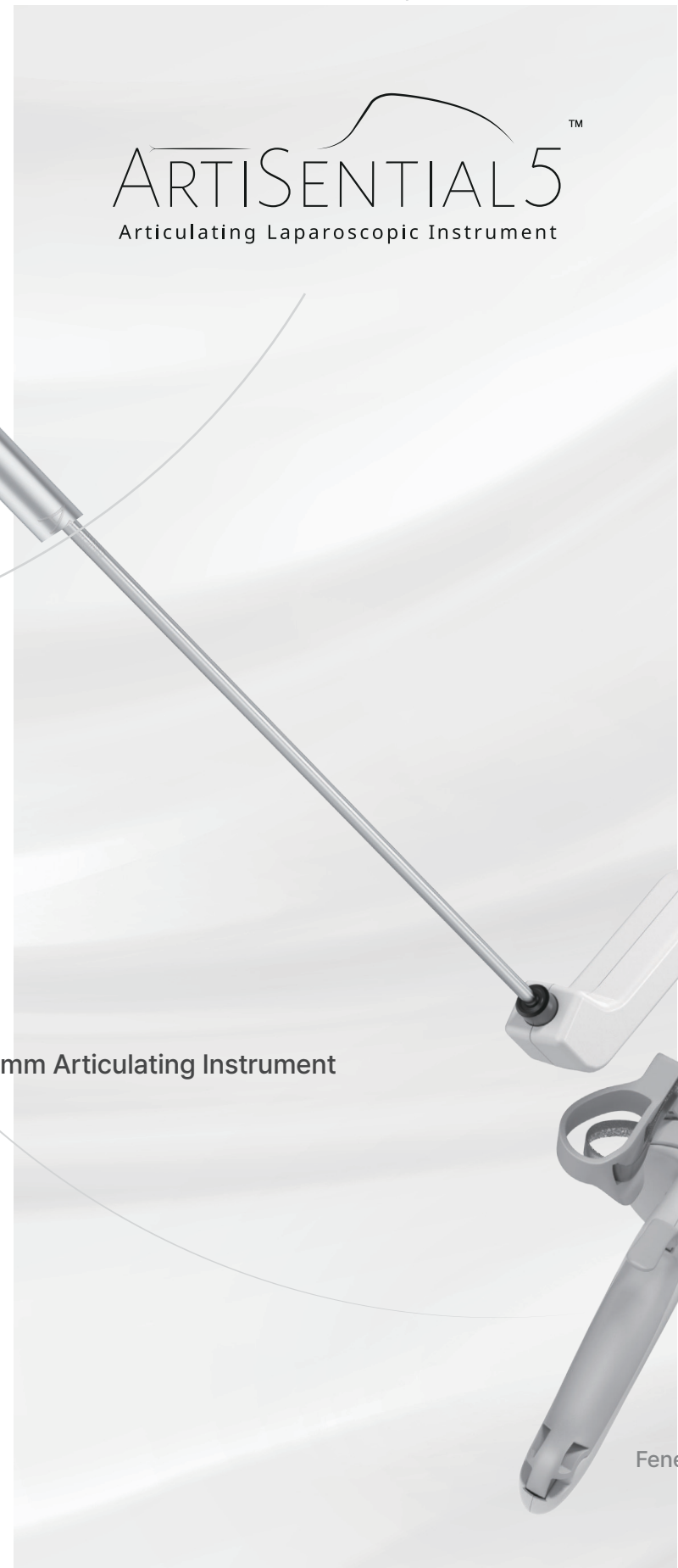
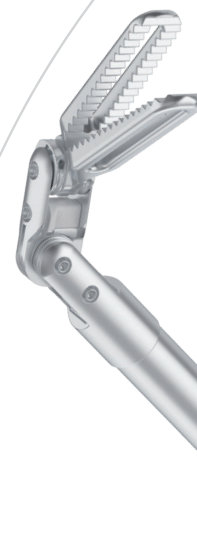


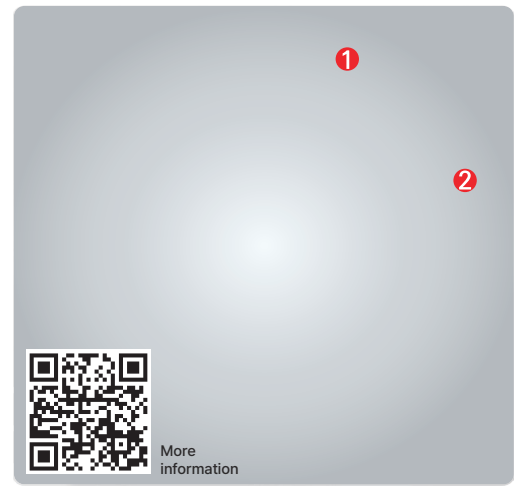


ARTISENTIAL⁵TM
Articulating Laparoscopic Instrument

Slim and Precise
The One & Only 5mm Articulating Instrument

Fenestrated Forceps

LIVSMED Training Kit



Please visit our website and submit request for your training

LIV'SMED

LIVSMED USA
2305 Historic Decatur Rd., Suite 100
San Diego, CA 92106
EMAIL: infoUSA@livsmed.com
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Slim and Precise
The One & Only 5mm Articulating Instrument

ArtiSential 5

The word 'ArtiSential' of ArtiSential 5 is a combination of Articulation and Essential.
Its multi-jointed structure allows the End Tool to move exactly like the user's hand and fingers, granting intuitive control to the surgeon.



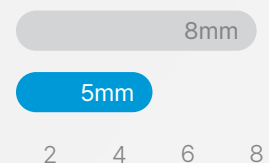
ArtiSentiaL 5 is Your Key to Surgery

ArtiSentiaL 5, the one and only 5mm articulating instrument.

To the basics of laparoscopy, such as reduced scarring, we now add articulation in a slim, precise instrument.

Shaft Diameter

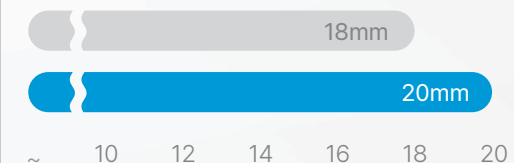
Full articulation embodied in a 5mm shaft



Longer End-tool

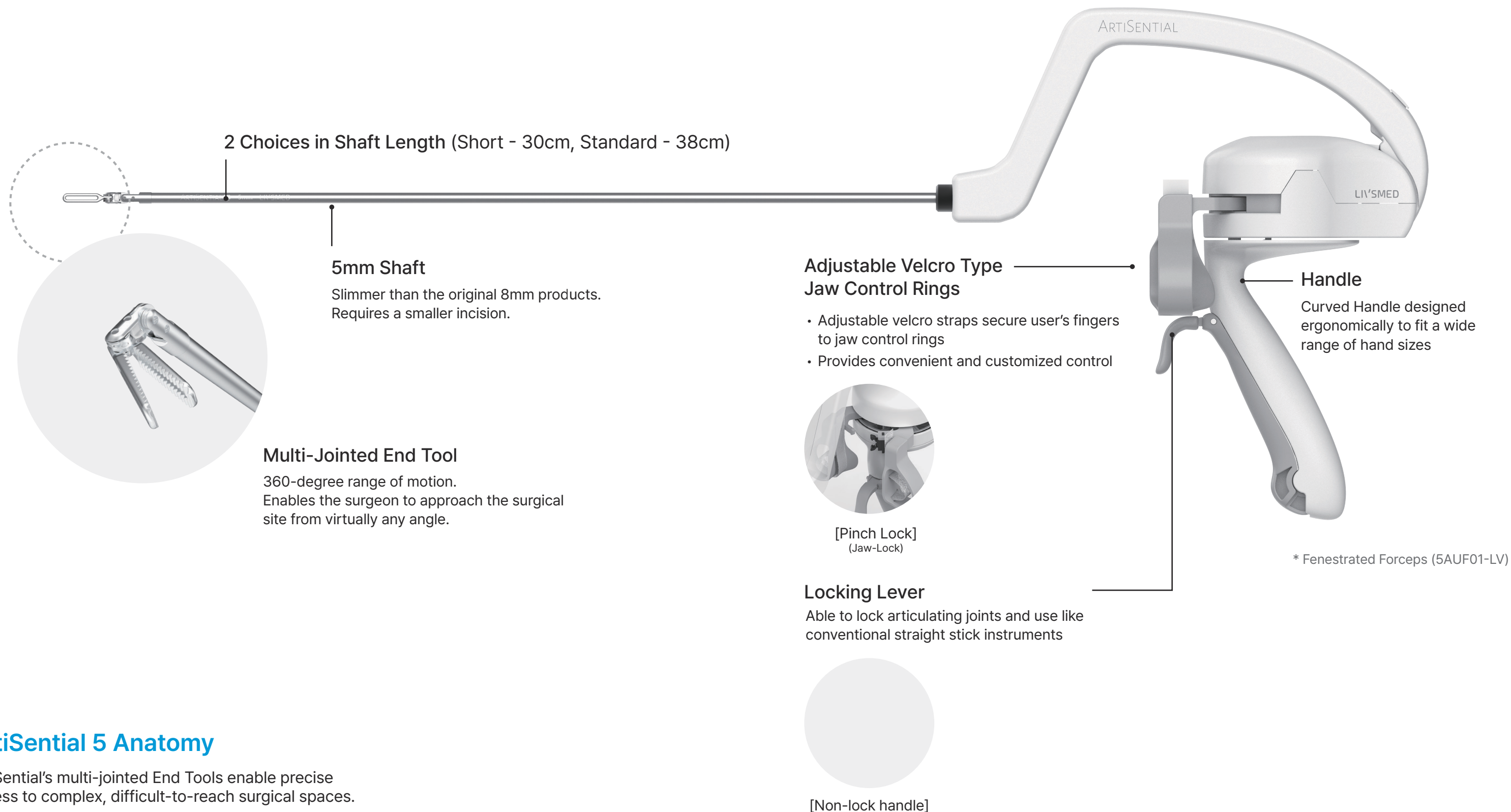
* Baseline: Fenestrated Forceps

Increased length and decreased thickness for more delicate and precise action



* Fenestrated Forceps (5AUF01-LV)

- Original ArtiSentiaL
- ArtiSentiaL 5



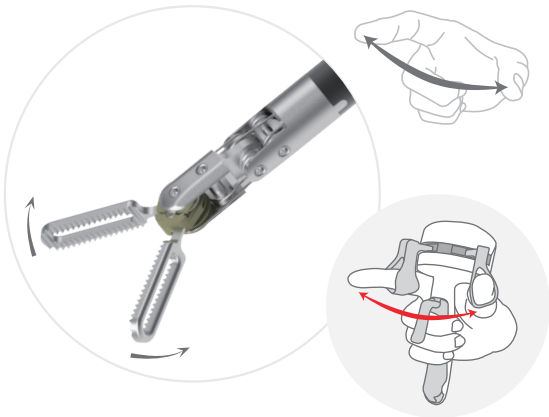
ArtiSential 5 Anatomy

ArtiSential's multi-jointed End Tools enable precise access to complex, difficult-to-reach surgical spaces.

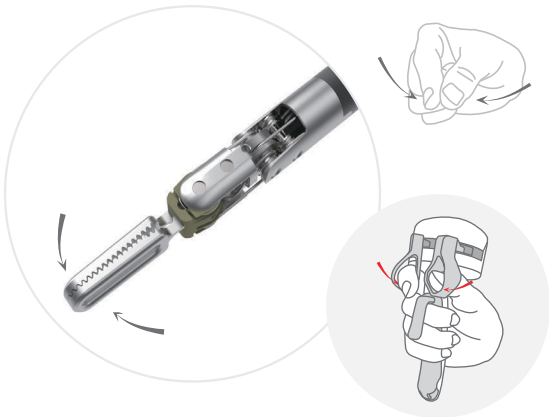
Synchronized Interface

ArtiSential's End Tool have two joints enabling both vertical and horizontal movements that are perfectly synchronized with the user's hand. Its multiple degrees of freedom assist the user in performing a wide variety of surgical procedures.

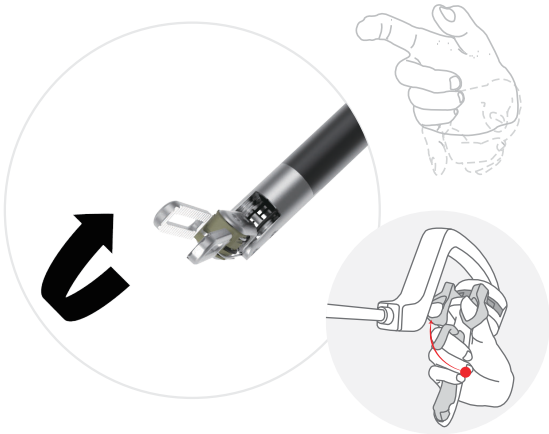
Open



Close



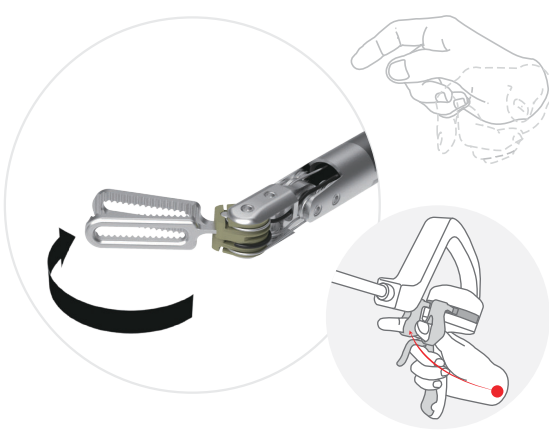
Up



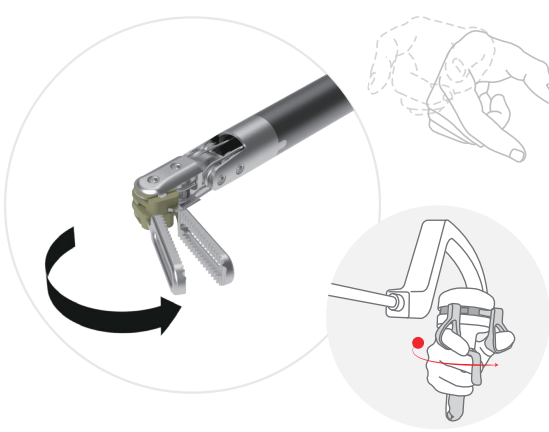
Down



Right



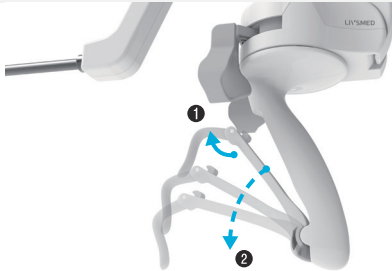
Left



How to Use the Locking Lever

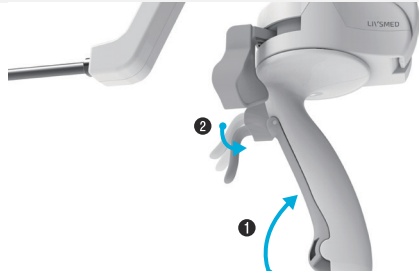
When the locking feature is activated, UP/DOWN, LEFT/RIGHT, the articulating joint is fixed and cannot move. The OPEN/CLOSE action of the End Tool continues to function.

Lock



- 1 The lever goes down and
- 2 Activates the lock

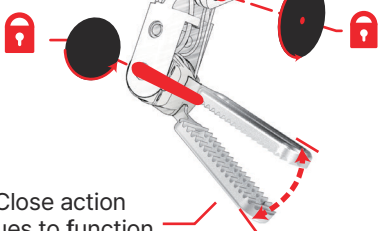
Unlock



- 1 Pull the lever inward until the lever clicks and
- 2 Deactivates the lock



Left/Right Joint Fixed



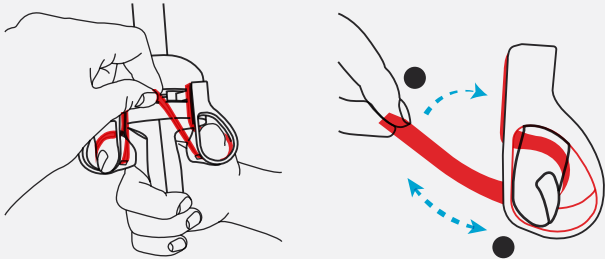
Open/Close action continues to function



Up/Down Joint Fixed

How to Use the Adjustable Jaw Control Rings

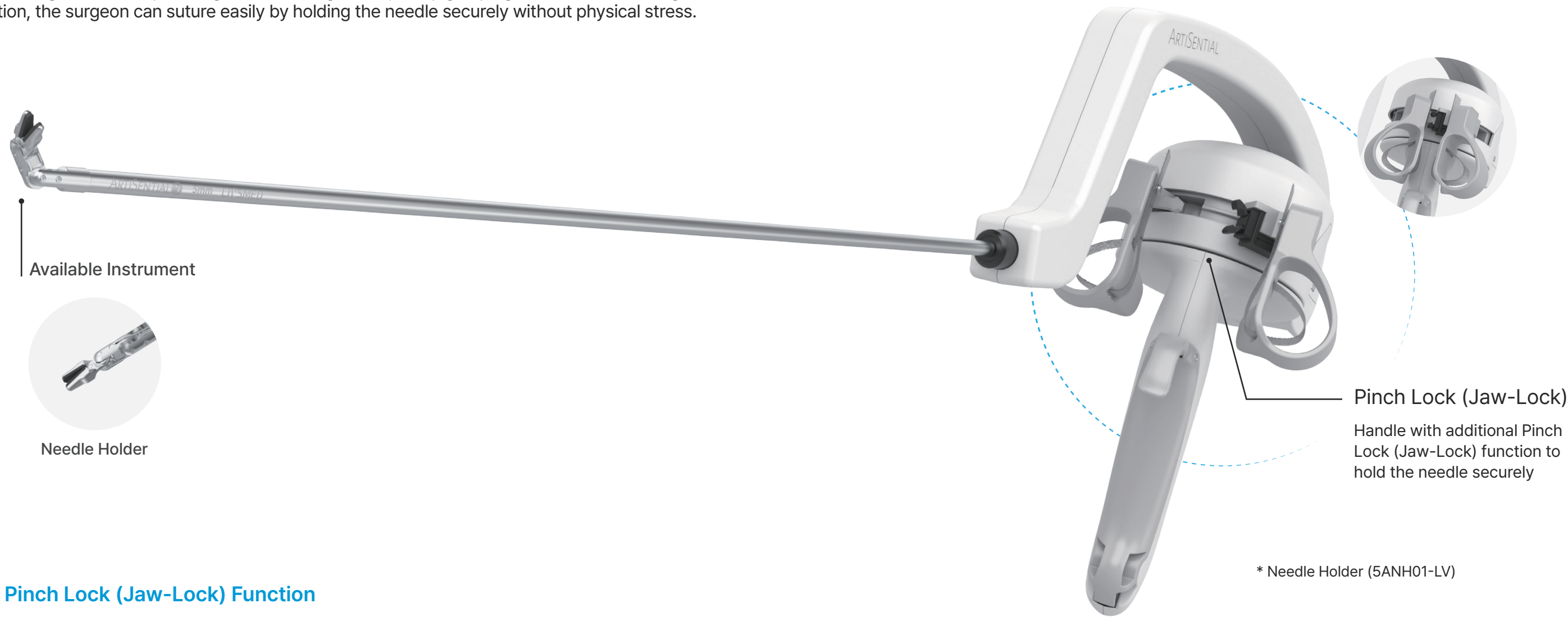
Adjust the strap to fit user's fingers. The fingers are fastened to the jaw control rings, allowing comfortable and easy control of the End Tool.



- 1 Place the fingers into the strap
- 2 Pull the strap until it fits user's fingers and attach the adjustable straps to the side of the rings.

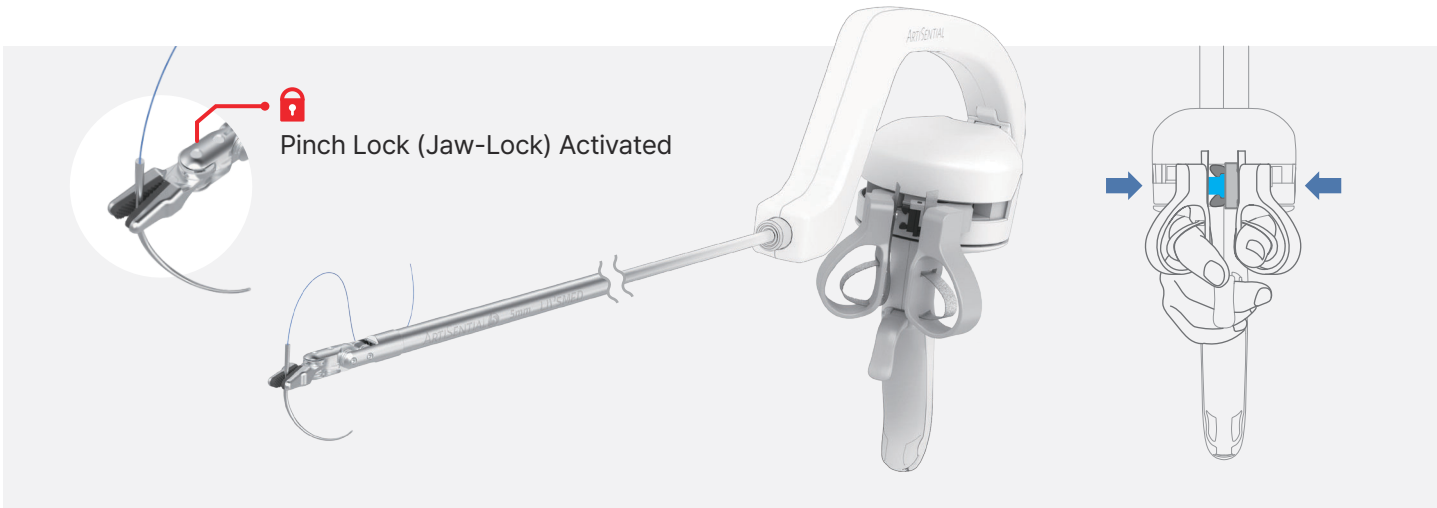
Needle Holder: Pinch Lock (Jaw-Lock) Function

The ArtiSential Needle Holder provides a Pinch Lock (Jaw-Lock) Function. This ergonomic design allows easy locking and unlocking of the jaw by grasping the Jaw Control Rings. With this function, the surgeon can suture easily by holding the needle securely without physical stress.



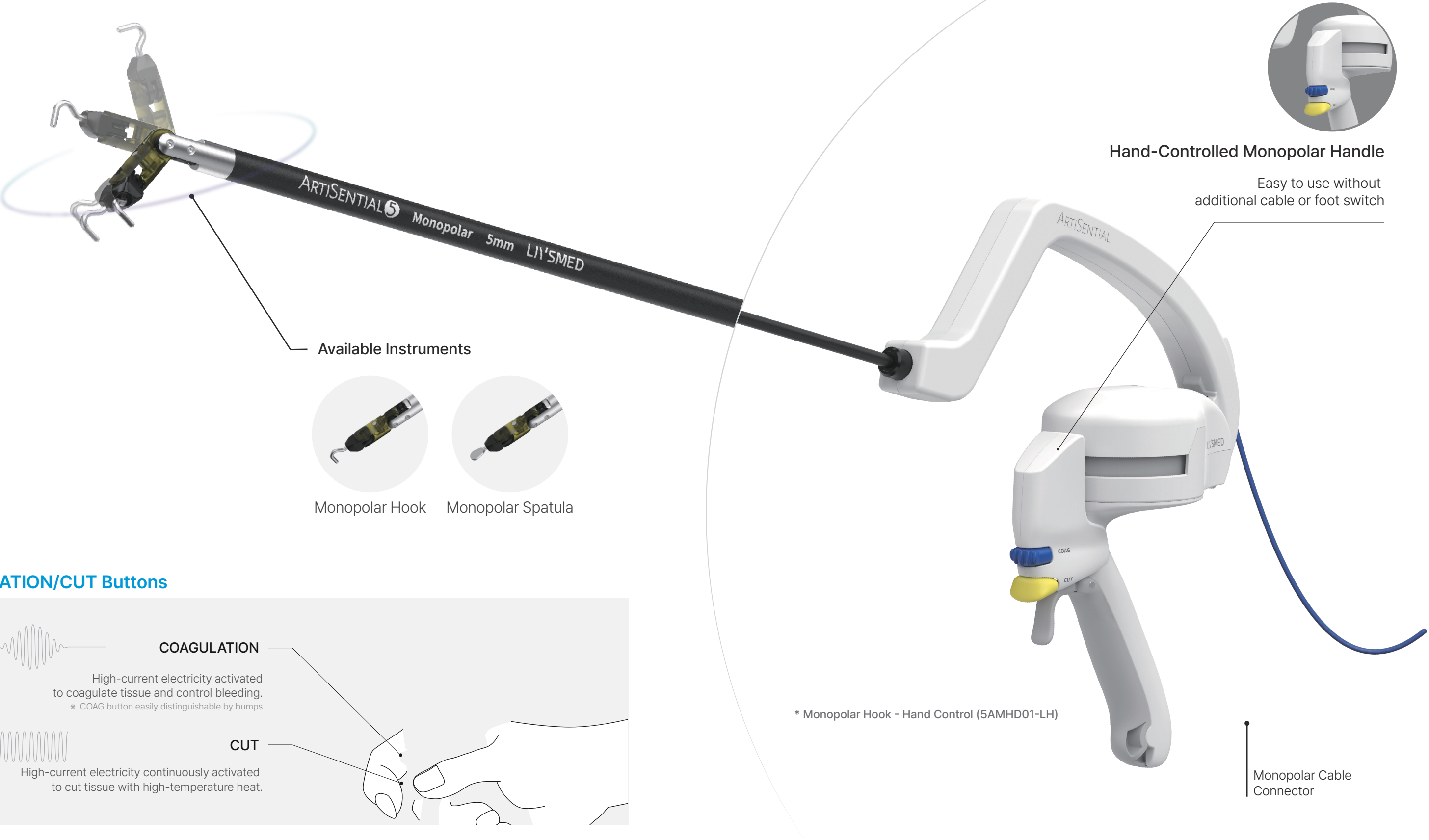
How to use Pinch Lock (Jaw-Lock) Function

- 1. Grip the handle by inserting your thumb and index finger in the rings.
- 2. Pinch inward with your thumb and index finger.
- 3. When the rings click together, the jaws lock closed.
- 4. To unlock the jaws, pinch your fingers inward again.

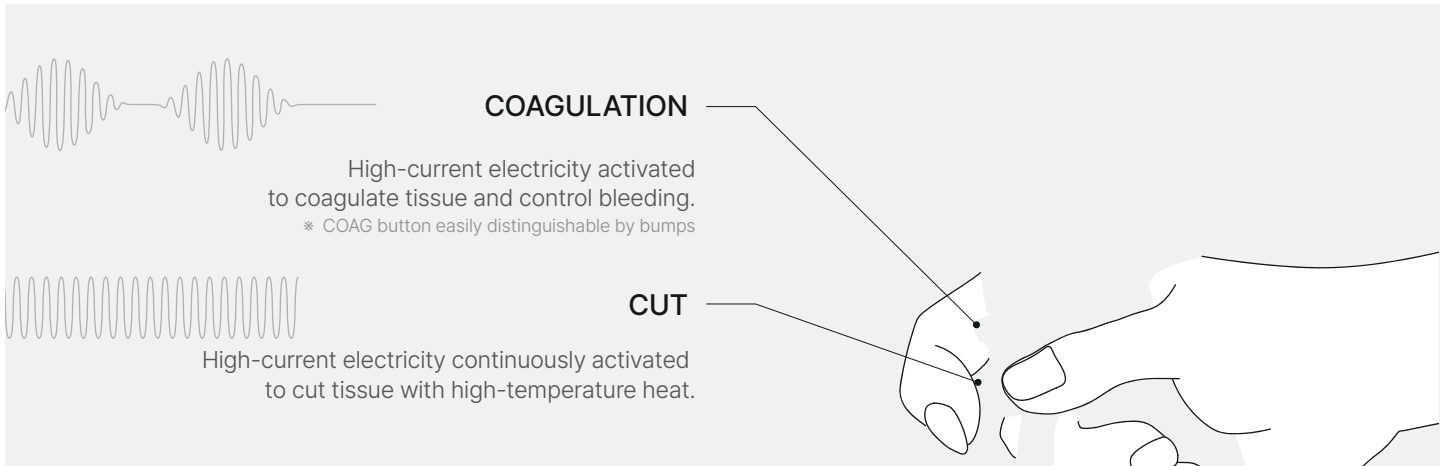


Monopolar: Hand Controlled

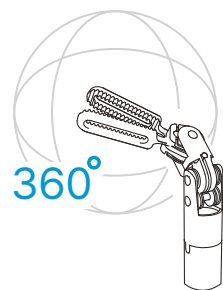
The ArtiSential 5 Monopolar products are hand controllable. Hand-controlled products are provided with the cable attached. The user can easily manipulate the Coagulation/Cut functions.



COAGULATION/CUT Buttons

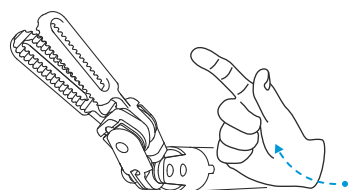


Features and Advantages of ArtiSential



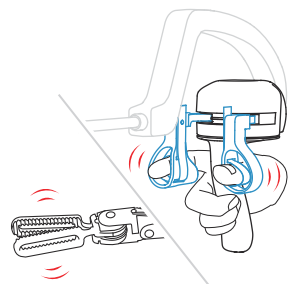
360 Degrees of Freedom

ArtiSential 5's multi-jointed End Tool allows various angles of approach with 360 degrees of freedom. This enables greater access to a variety of anatomical structures.



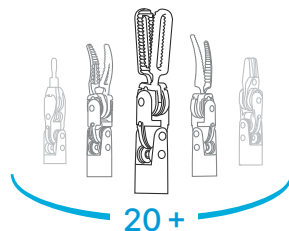
Intuitive Control

The End Tool moves in the same direction as the user's hand/fingers, providing easy, intuitive control.



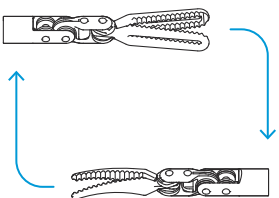
Tactile Feedback

Provides advantages of articulating instruments without losing tactile feedback, which is essential for applying precise force even on delicate tissue.



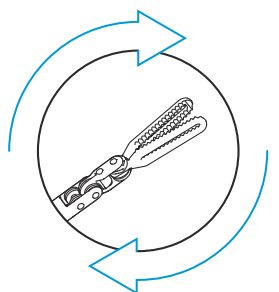
Various Instruments

More than 20 instruments allow surgeons to choose the right End Tool for each step of their procedure.



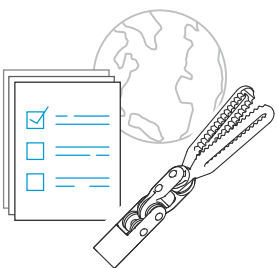
Quick & Easy Usage

As a hand-held instrument, ArtiSential makes it easy to switch between devices during surgery. ArtiSential can be used when articulation is called for. Surgeons can easily switch to conventional instruments or other energy devices as needed.



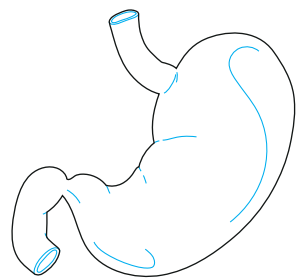
Cost Effectiveness

ArtiSential 5 can be introduced to existing surgery rooms without additional space, staff, or preparation time. Because surgery is performed next to the patient, surgeons can better manage emergency situations.



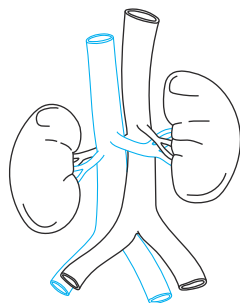
Clinical Evidence

Studies regarding product usage, safety, and effectiveness are being conducted by hospitals worldwide. Clinical publishing and seminars are conducted regularly in relation to various academic societies.



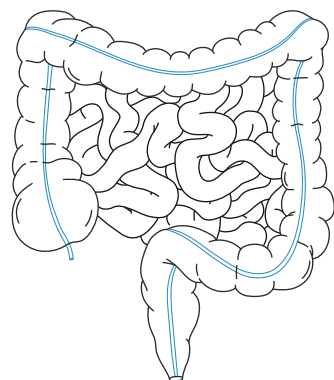
STOMACH SURGERY

- Gastrectomy
- Sleeve gastrectomy
- Hiatal repair
- Ulcer perforation



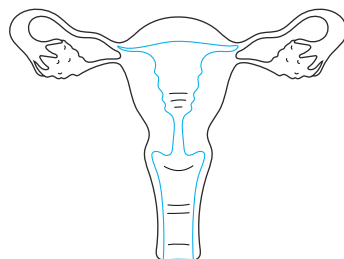
UROLOGICAL SURGERY

- Prostatectomy
- Nephrectomy
- Partial nephrectomy
- Cystectomy
- Partial cystectomy
- Urinary calculus
- Pyeloplasty



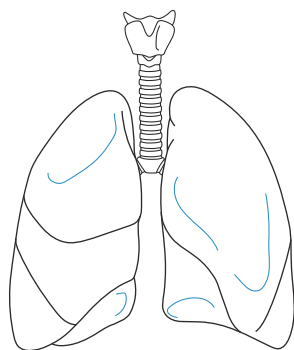
COLORECTAL SURGERY

- LAR
- Hemi colectomy
- Colectomy
- Inguinal hernia
- Rectopexy
- Appendectomy



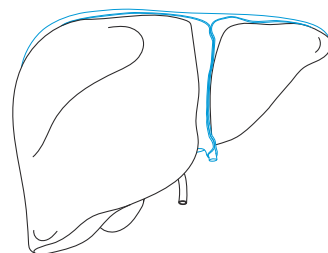
GYNECOLOGICAL SURGERY

- Hysterectomy
- Myomectomy
- Ovarian cystectomy
- Sacral colpopexy
- Oophorectomy



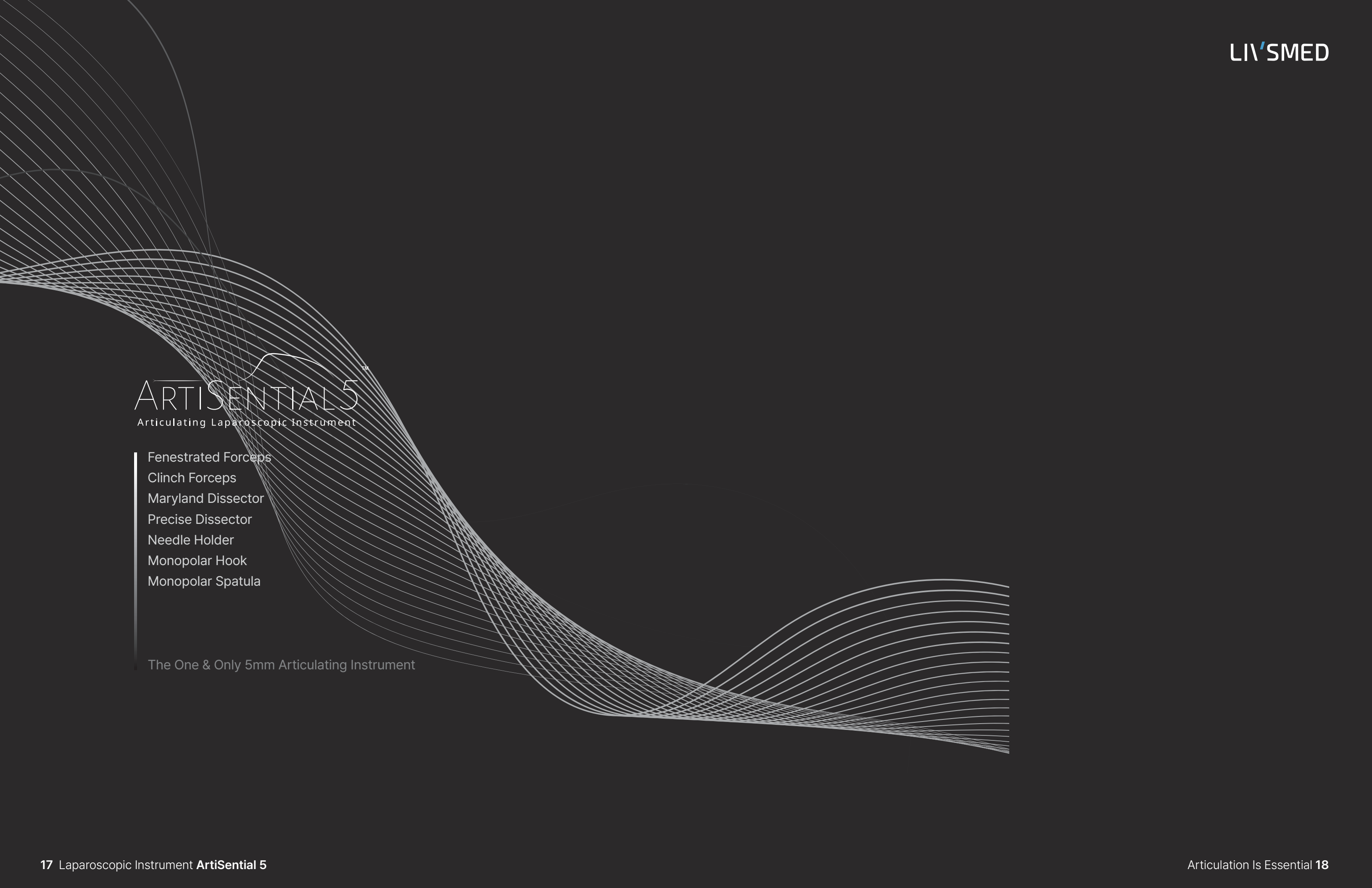
THORACIC SURGERY

- Lobectomy
- Segmentectomy
- Thymectomy



HEPATO-PANCREATO-BILIARY SURGERY

- Cholecystectomy
- Whipple procedure
- Hepatectomy



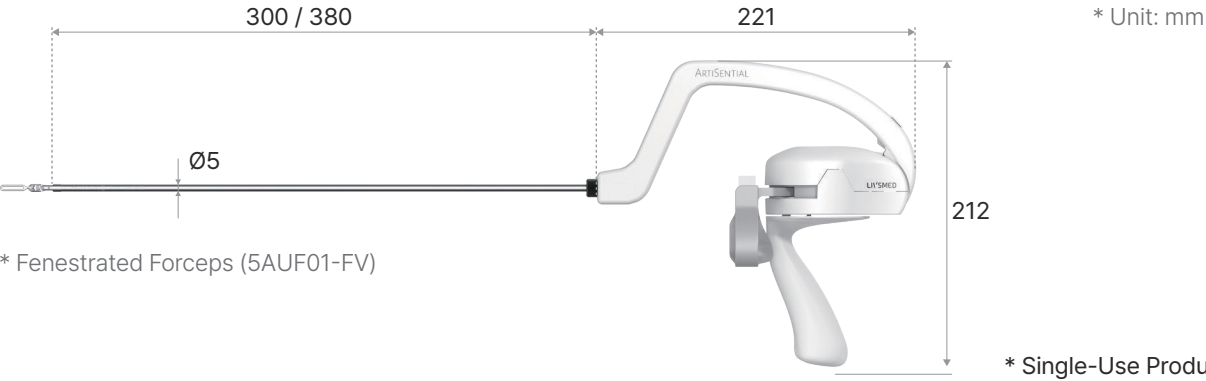
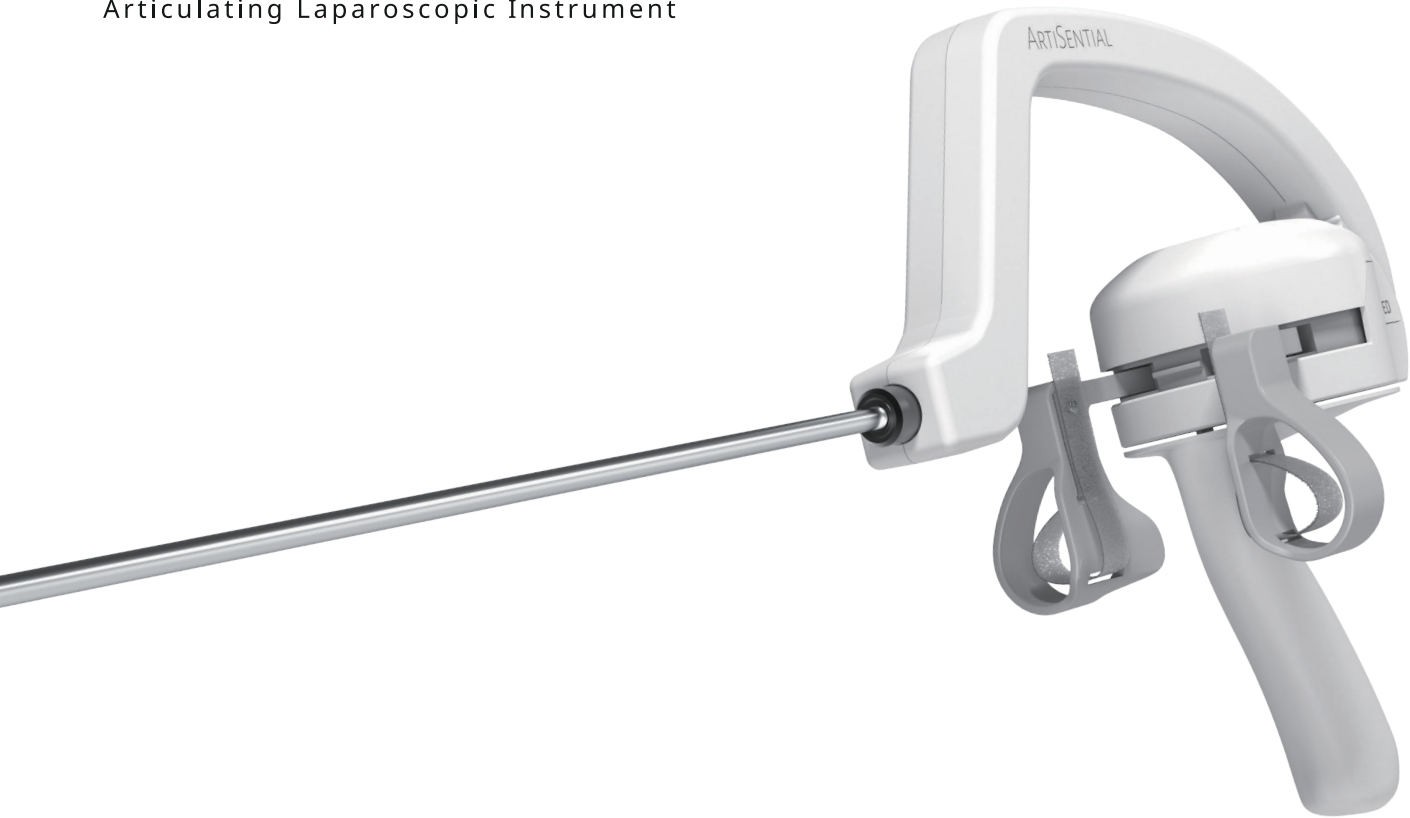
ARTISENTIAL⁵

Articulating Laparoscopic Instrument

- Fenestrated Forceps
- Clinch Forceps
- Maryland Dissector
- Precise Dissector
- Needle Holder
- Monopolar Hook
- Monopolar Spatula

The One & Only 5mm Articulating Instrument

ARTISENTIAL⁵
Articulating Laparoscopic Instrument

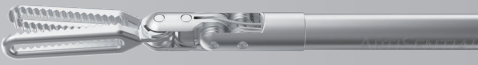


Laparoscopic Instruments - Graspers

ITEM CODE	PRODUCT DESCRIPTION	SHAFT LENGTH	LOCK	JAW LENGTH	SHAFT DIAMETER	ELECTRODE	UNITS/CASE
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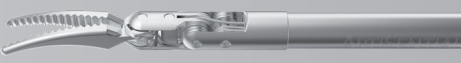
I ArtiSential Graspers

Fenestrated Forceps



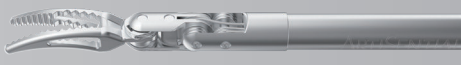
5AUF01-LV	Fenestrated Forceps-38cm-Lock-Adjustable	38cm	O	20mm	5mm	N/A	5EA/CASE
5AUF01S-LV	Fenestrated Forceps-30cm-Lock-Adjustable	30cm	O				
5AUF01-LP	Fenestrated Forceps-38cm-Pinch Lock-Adjustable	38cm	O				
5AUF01S-LP	Fenestrated Forceps-30cm-Pinch Lock-Adjustable	30cm	O				

Maryland Dissector



5AUD01-LV	Maryland Dissector-38cm-Lock-Adjustable	38cm	O	18mm	5mm	N/A	5EA/CASE
5AUD01S-LV	Maryland Dissector-30cm-Lock-Adjustable	30cm	O				

Precise Dissector



5AUD02-LV	Precise Dissector-38cm-Lock-Adjustable	38cm	O	17mm	5mm	N/A	5EA/CASE
5AUD02S-LV	Precise Dissector-30cm-Lock-Adjustable	30cm	O				

Clinch Forceps



5ACF01-LV	Clinch Forceps-38cm-Lock-Adjustable	38cm	O	22mm	5mm	N/A	5EA/CASE
5ACF01S-LV	Clinch Forceps-30cm-Lock-Adjustable	30cm	O				
5ACF01-LP	Clinch Forceps-38cm-Pinch Lock-Adjustable	38cm	O				
5ACF01S-LP	Clinch Forceps-30cm-Pinch Lock-Adjustable	30cm	O				

Laparoscopic Instruments - Needle Holders

ITEM CODE	PRODUCT DESCRIPTION	SHAFT LENGTH	LOCK	JAW LENGTH	SHAFT DIAMETER	ELECTRODE	UNITS/CASE
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I ArtiSential Needle Holder

Needle Holder

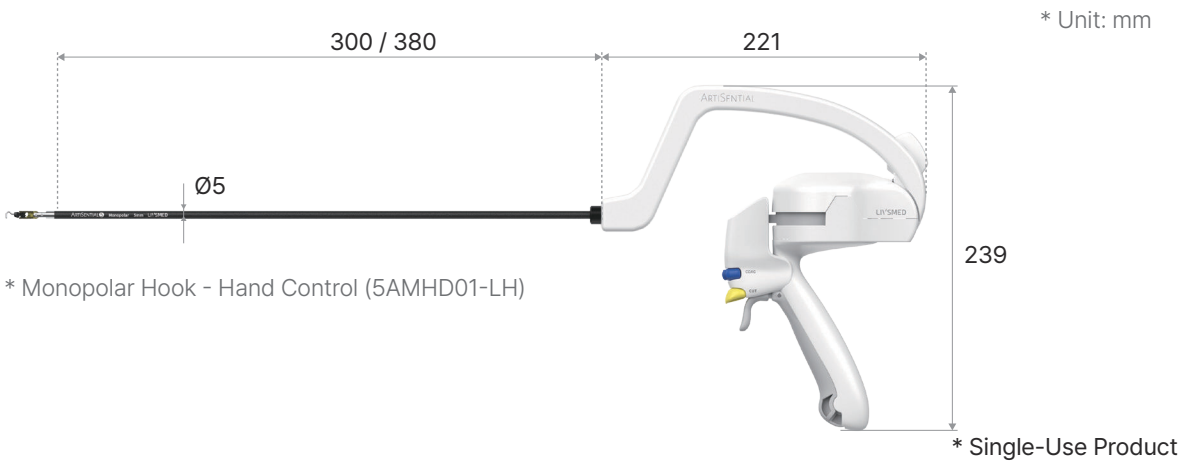
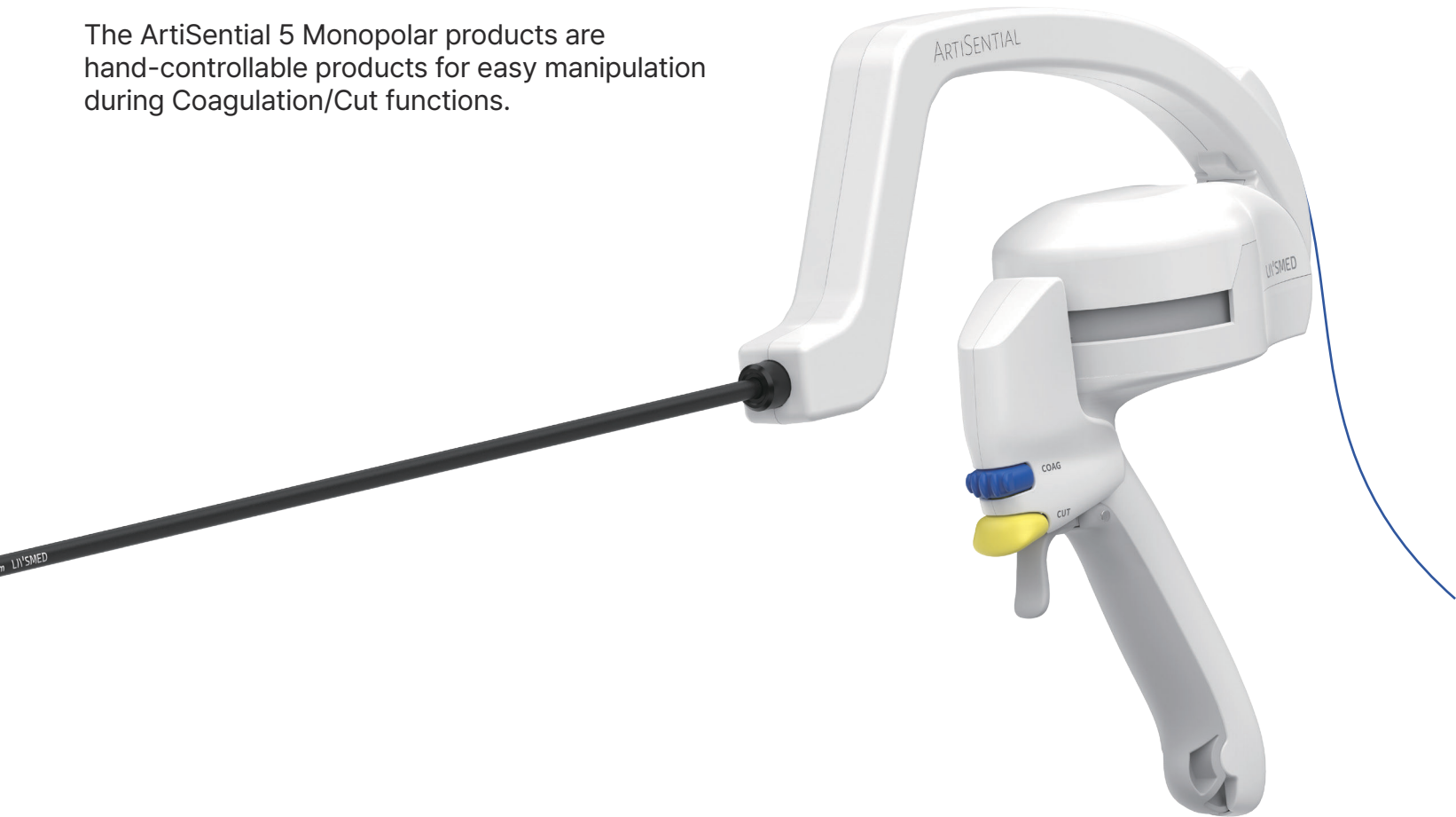
* The Needle Holder lineup includes the Pinch Lock (Jaw-Lock) function as a default feature.



5ANH01-LV	Needle Holder-38cm-Lock-Adjustable	38cm	O	10mm	5mm	N/A	5EA/CASE
5ANH01S-LV	Needle Holder-30cm-Lock-Adjustable	30cm	O				

Monopolar: Hand Controlled

The ArtiSential 5 Monopolar products are hand-controllable products for easy manipulation during Coagulation/Cut functions.



Laparoscopic Instruments - Electrodes

ITEM CODE	PRODUCT DESCRIPTION	SHAFT LENGTH	LOCK	JAW LENGTH	SHAFT DIAMETER	ELECTRODE	UNITS/CASE
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I ArtiSential Electrodes, Monopolar Series (Hand-Controlled)

Monopolar Hook

5AMHD01-LH	Monopolar Hook Down-38cm-Lock-Hand Controlled	38cm	O	8mm	5mm	Monopolar	5EA/CASE
5AMHD01S-LH	Monopolar Hook Down-30cm-Lock-Hand Controlled	30cm	O				
5AMHU01-LH	Monopolar Hook Up-38cm-Lock-Hand Controlled	38cm	O				
5AMHU01S-LH	Monopolar Hook Up-30cm-Lock-Hand Controlled	30cm	O				
5AMHL01-LH	Monopolar Hook Left-38cm-Lock-Hand Controlled	38cm	O				
5AMHL01S-LH	Monopolar Hook Left-30cm-Lock-Hand Controlled	30cm	O				
5AMHR01-LH	Monopolar Hook Right-38cm-Lock-Hand Controlled	38cm	O				
5AMHR01S-LH	Monopolar Hook Right-30cm-Lock-Hand Controlled	30cm	O				

Monopolar Spatula

5AMT01-LH	Monopolar Spatula-30cm-Lock-Hand Controlled	38cm	O	9mm	5mm	Monopolar	5EA/CASE
5AMT01S-LH	Monopolar Spatula-38cm-Lock-Hand Controlled	30cm	O				