

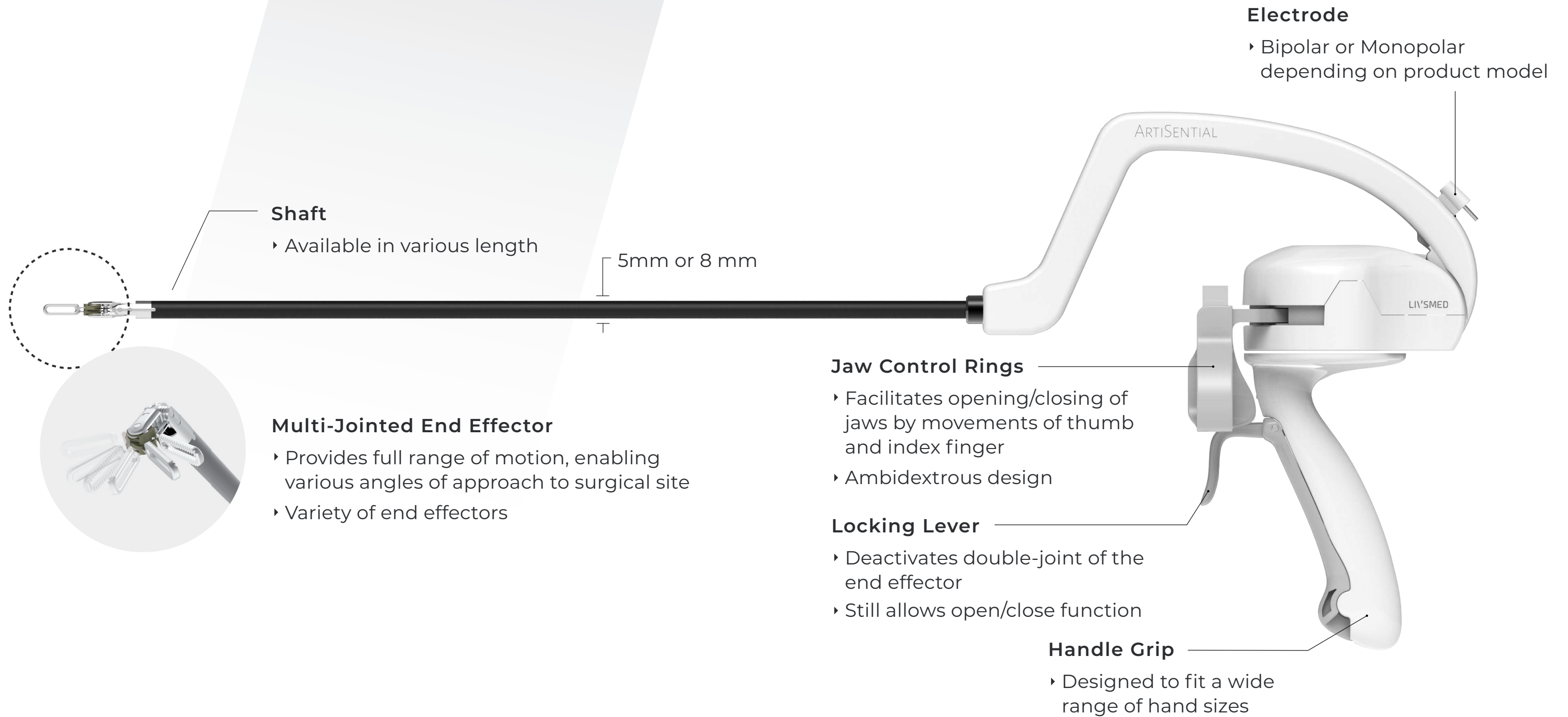
LIV'SMED



ARTISENTIAL™  
Articulating Laparoscopic Instrument

# ArtiSential™ Anatomy

ArtiSential's double-jointed end effector enables precise access to complex, difficult-to-reach surgical spaces.



# Synchronized Interface

ArtiSential's end effector has 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 highly complex movements in a wide variety of surgical procedures.



\*based on movements of right-handed user

## ARTISENTIAL™ Articulating Laparoscopic Instrument

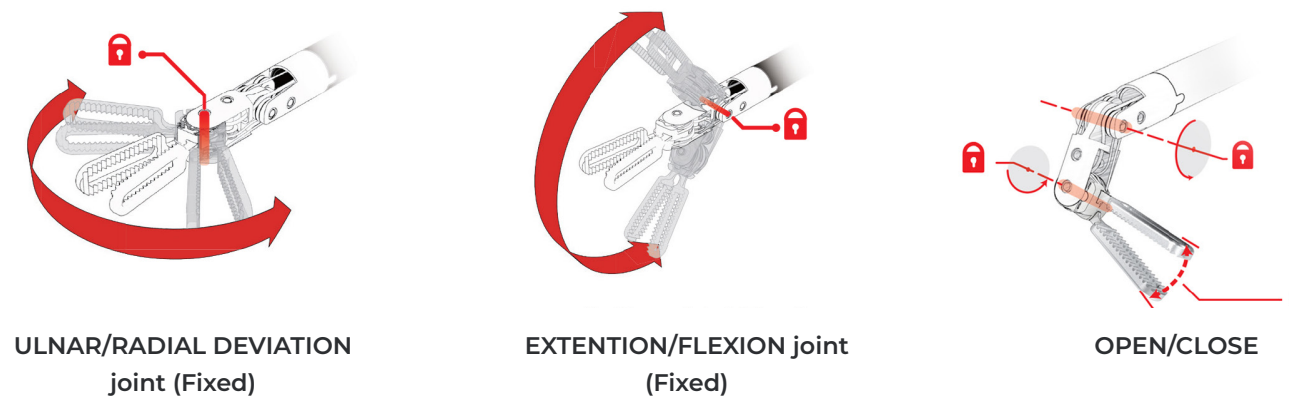


Activating the locking feature

Deactivating the locking feature

Push the **1**lever outward  
The **2**lever goes down and activates the lock

Pull the **1**lever inward until  
the **2**lever clicks and deactivats the lock



ULNAR/RADIAL DEVIATION  
joint (Fixed)

EXTENTION/FLEXION joint  
(Fixed)

OPEN/CLOSE

When the locking feature is activated EXTENSION/FLEXION, ULNAR DEVIATION/RADIAL DEVIATION articulating joint is fixed and cannot move, but OPEN/CLOSE action of end-effector is possible.

# ArtiSential™ Advantages

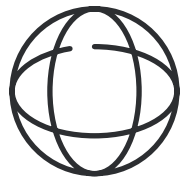
## “Articulation Without the Bells and Whistles”

Any O.R., anytime. We eliminate the need for scheduled block time for additional equipment. Our product line can be used in the existing surgical environment without any added device, capital investment, or footprint. ArtiSential leads to immediate capabilities.



### Articulation With Tactile Feedback

ArtiSential provides advantages of articulating instruments without losing tactile feedback, which is essential for applying precise force on delicate tissue



### Flexible Access

Our multi-jointed end effector allows various angles of approach with full range of motion. This enables greater access to a variety of anatomical structures



### Ergonomic Interface

ArtiSential features a precision grip that provides ergonomically friendly manipulation and control



### Growing Articulating Product Line

Our growing portfolio of articulating instruments continues to expand and meet the needs of advanced, minimally invasive surgeons in various of surgical procedures



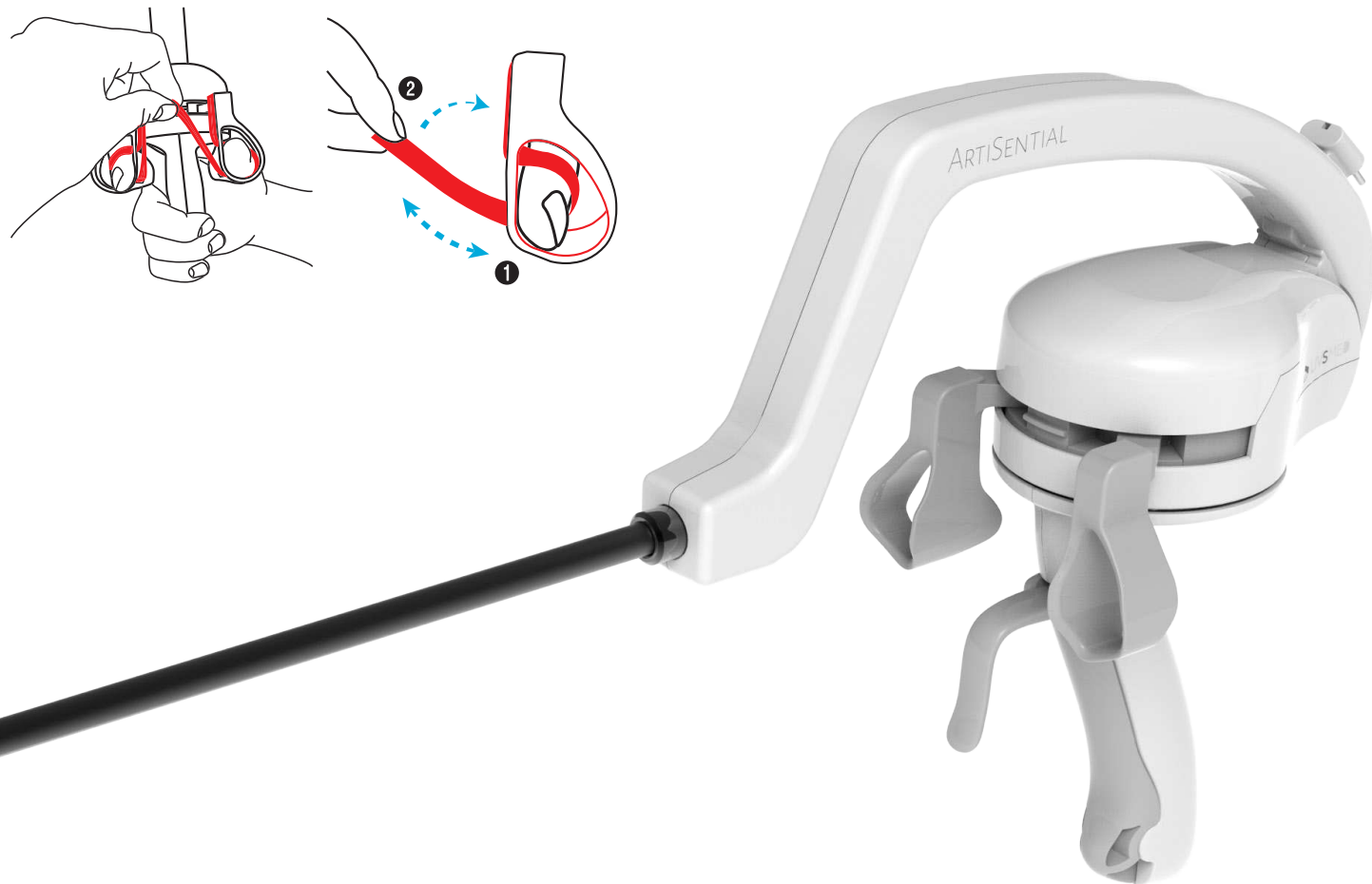
## ArtiSential

### The Next Evolution in MIS

ArtiSential provides the surgeon the same critical value of the robot with an incremental improvement in cost, access and surgical outcomes.

# ARTISENTIAL™

Articulating Laparoscopic Instrument



Adjust the velcro straps to fit your fingers.  
Fingers are fastened to the jaw control rings, allowing comfortable and easy control of the end effector.

Item Code	Product Description	Shaft Diameter - 8mm
<b>Fenestrated Forceps</b>		Jaw Length - 18mm
	AUF01-LV Fenestrated Forceps 38cm - Lock / Adjustable	
	AUF01S-LV Fenestrated Forceps 25cm - Lock / Adjustable	
<b>Maryland Dissector</b>		Jaw Length - 20mm
	AUD01-LV Maryland Dissector 38cm - Lock / Adjustable	
	AUD01S-LV Maryland Dissector 25cm - Lock / Adjustable	
<b>Clip Applier Medium Large</b>		Jaw Length - 14mm
	ACA01-LV Clip Applier Medium Large 38cm - Lock / Adjustable	
	ACA01S-LV Clip Applier Medium Large 25cm - Lock / Adjustable	
<b>Clip Applier Large</b>		Jaw Length - 19mm
	ACA02-LV Clip Applier Large 38cm - Lock / Adjustable	
	ACA02S-LV Clip Applier Large 25cm - Lock / Adjustable	
<b>Needle Holder</b>		Jaw Length - 12mm
	ANH01-LV Needle Holder 38cm - Lock / Adjustable	
	ANH01S-LV Needle Holder 25cm - Lock / Adjustable	

Item Code	Product Description	Shaft Diameter - 8mm
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### Precise Needle Holder

Jaw Length - 9mm



ANH02-LV	Precise Needle Holder 38cm - Lock / Adjustable
ANH02S-LV	Precise Needle Holder 25cm - Lock / Adjustable

### Bipolar Fenestrated Forceps

Jaw Length - 18mm



ABF01-LV	Bipolar Fenestrated Forceps 38cm - Lock / Adjustable
ABF01S-LV	Bipolar Fenestrated Forceps 25cm - Lock / Adjustable

### Bipolar Maryland Dissector

Jaw Length - 20mm



ABD01-LV	Bipolar Maryland Dissector 38cm - Lock / Adjustable
ABD01S-LV	Bipolar Maryland Dissector 25cm - Lock / Adjustable

### Bipolar Precise Dissector

Jaw Length - 17mm



ABD02-LV	Bipolar Precise Dissector 38cm - Lock / Adjustable
ABD02S-LV	Bipolar Precise Dissector 25cm - Lock / Adjustable

### Monopolar Hook

Jaw Length - 8mm



AMHU01-L	Monopolar Hook Up 38cm - Lock
AMHU01S-L	Monopolar Hook Up 25cm - Lock
AMHD01-L	Monopolar Hook Down 38cm - Lock
AMHD01S-L	Monopolar Hook Down 25cm - Lock
AMHR01-L	Monopolar Hook Right 38cm - Lock
AMHR01S-L	Monopolar Hook Right 25cm - Lock
AMHL01-L	Monopolar Hook Left 38cm - Lock
AMHL01S-L	Monopolar Hook Left 25cm - Lock

Item Code	Product Description	Shaft Diameter - 8mm
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### Monopolar Precise Dissector

Jaw Length - 14mm



AMD01-LV	Monopolar Precise Dissector 38cm - Lock / Adjustable
AMD01S-LV	Monopolar Precise Dissector 25cm - Lock / Adjustable

### Monopolar Spatula

Jaw Length - 5mm



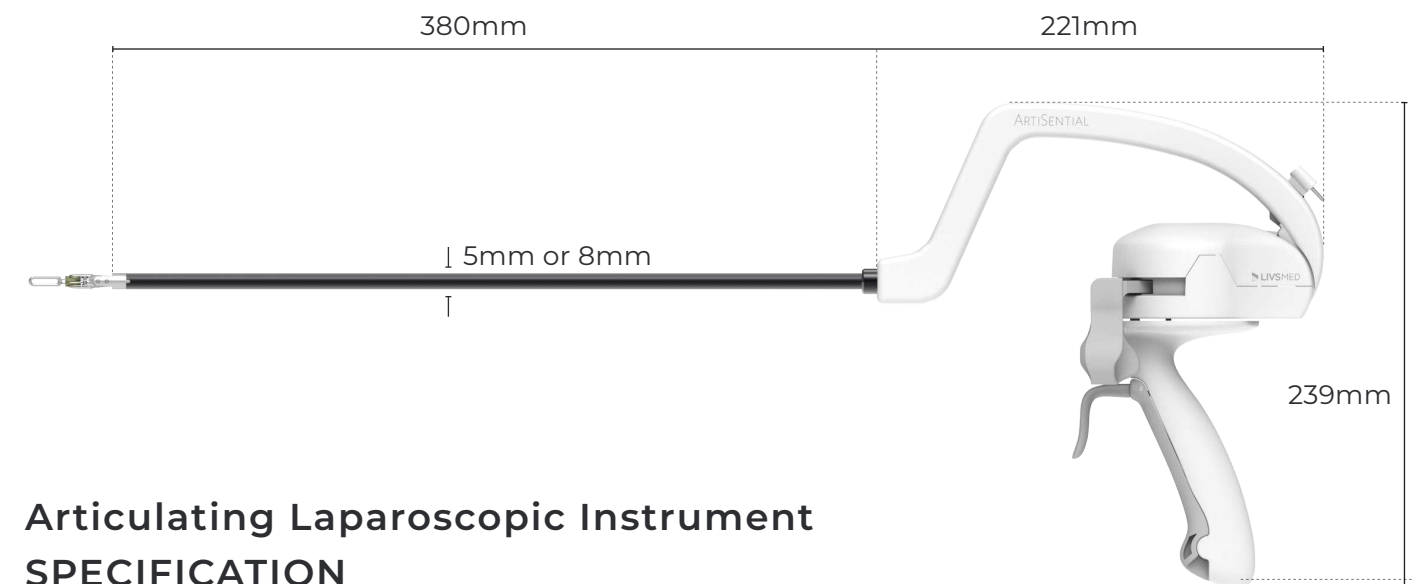
AMT01-L	Monopolar Spatula 38cm - Lock
AMT01S-L	Monopolar Spatula 25cm - Lock

### Monopolar Scissors

Jaw Length - 11mm



AMSU01-LV	Monopolar Scissors Up 38cm - Lock / Adjustable
AMSU01S-LV	Monopolar Scissors Up 25cm - Lock / Adjustable
AMSD01-LV	Monopolar Scissors Down 38cm - Lock / Adjustable
AMSD01S-LV	Monopolar Scissors Down 25cm - Lock / Adjustable



### Articulating Laparoscopic Instrument SPECIFICATION



# ARTISENTIAL<sup>5</sup><sup>™</sup>

Articulating Laparoscopic Instrument

## The Only 5mm Wristed Articulating Laparoscopic Instrument

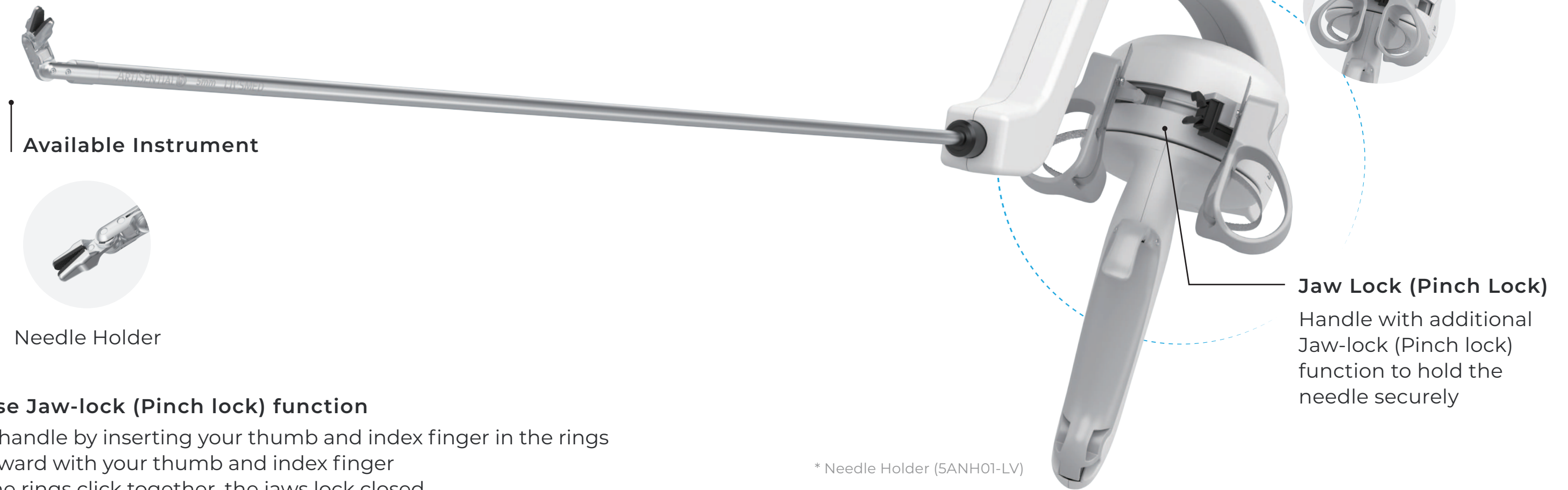
The word 'ArtiSential' of ArtiSential 5 is a combination of Articulation and Essential.

Its multi-jointed structure allows the end tool to move exactly like the user's hand and fingers, granting intuitive control to the surgeon.

## Needle Holder

# Jaw-lock (Pinch lock) Function

The ArtiSential Needle Holder provides a Jaw-lock (Pinch 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. Jaw-lock (Pinch lock) function is also available on 8mm Needle Holder.



### How to use Jaw-lock (Pinch lock) function

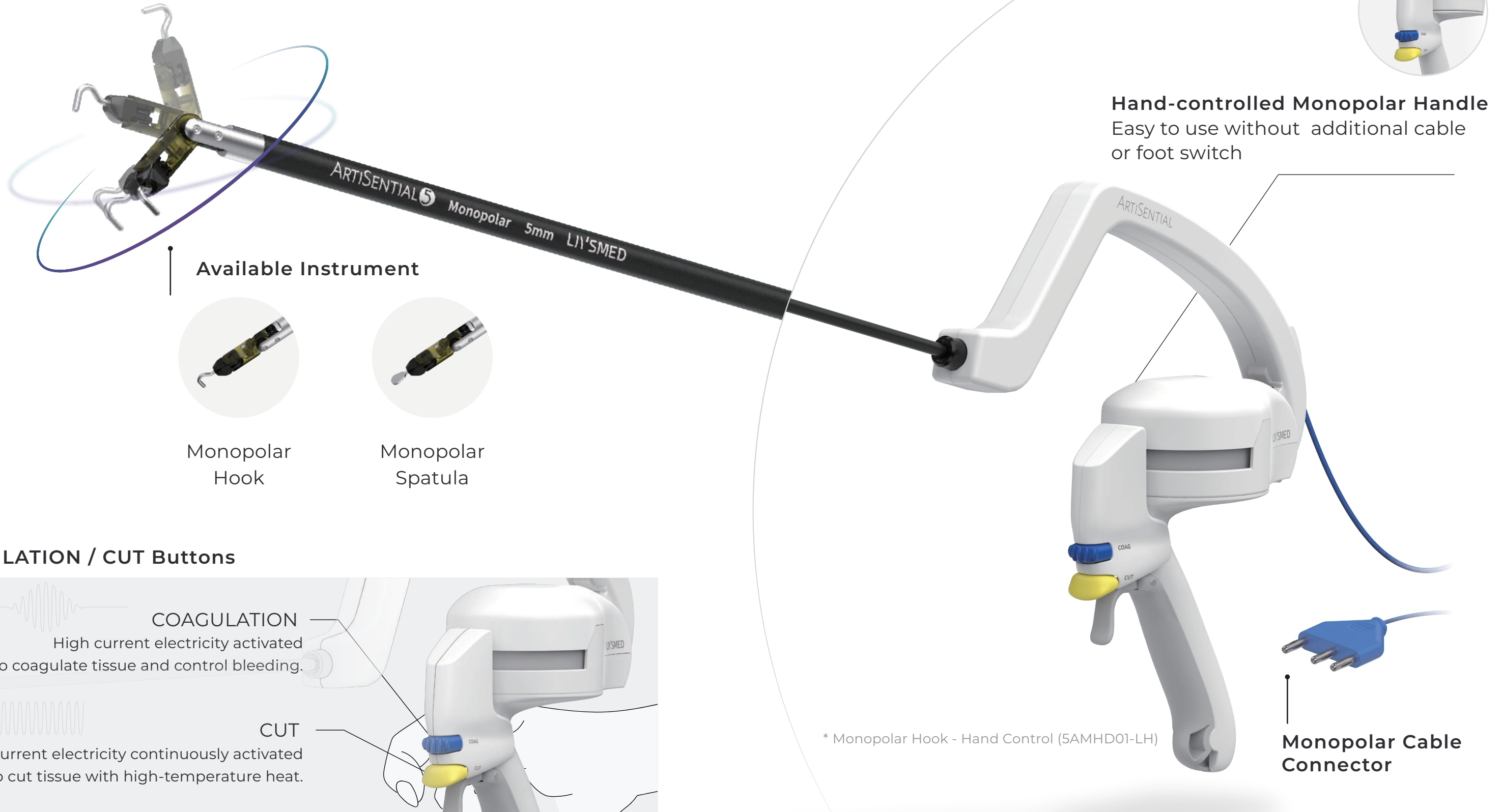
1. Grip the handle by inserting your thumb and index finger in the rings
2. Pinch inward with your thumb and index finger
3. When the rings click together, the jaws lock closed
4. To unlock the jaws, pinch your fingers inward again





# Monopolar Handle: Hand-controlled

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



**Hand-controlled Monopolar Handle**  
Easy to use without additional cable or foot switch

Available Instrument




Monopolar Hook




Monopolar Spatula

## COAGULATION / CUT Buttons



**COAGULATION**  
High current electricity activated to coagulate tissue and control bleeding.



**CUT**  
High current electricity continuously activated to cut tissue with high-temperature heat.

\* Monopolar Hook - Hand Control (5AMHD01-LH)

**Monopolar Cable Connector**



**ARTISENTIAL 5**<sup>TM</sup>  
Articulating Laparoscopic Instrument

Item Code	Product Description	Shaft Diameter - 5mm
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### 5mm Fenestrated Forceps

Jaw Length - 20mm



5AUF01-LV	Fenestrated Forceps 38cm - Lock / Adjustable
5AUF01S-LV	Fenestrated Forceps 30cm - Lock / Adjustable

### 5mm Clinch Forceps

Jaw Length - 22mm



5ACF01-LV	Clinch Forceps 38cm - Lock / Adjustable
5ACF01S-LV	Clinch Forceps 30cm - Lock / Adjustable

Item Code	Product Description	Shaft Diameter - 5mm
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### 5mm Maryland Dissector

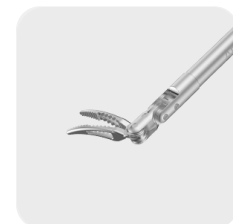
Jaw Length - 18mm



5AUD01-LV	Maryland Dissector 38cm - Lock / Adjustable
5AUD01S-LV	Maryland Dissector 30cm - Lock / Adjustable

### 5mm Precise Dissector

Jaw Length - 17mm



5AUD02-LV	Precise Dissector 38cm - Lock / Adjustable
5AUD02S-LV	Precise Dissector 30cm - Lock / Adjustable

### 5mm Needle Holder

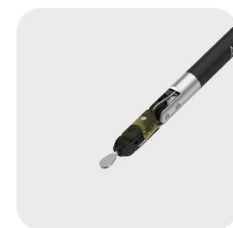
Jaw Length - 10mm



5ANH01-LV	Needle Holder 38cm - Lock / Adjustable
5ANH01S-LV	Needle Holder 30cm - Lock / Adjustable

### 5mm Monopolar Spatula

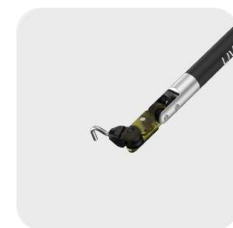
Jaw Length - 9mm



5AMT01-LH	Monopolar Spatula 38cm - Lock - Hand Controlled
5AMT01S-LH	Monopolar Spatula 30cm - Lock - Hand Controlled

### 5mm Monopolar Hook

Jaw Length - 8mm



5AMHD01-LH	Monopolar Hook Down 38cm - Lock - Hand Controlled
5AMHD01S-LH	Monopolar Hook Down 30cm - Lock - Hand Controlled
5AMHU01-LH	Monopolar Hook Up 38cm - Lock - Hand Controlled
5AMHU01S-LH	Monopolar Hook Up 30cm - Lock - Hand Controlled
5AMHL01-LH	Monopolar Hook Left 38cm - Lock - Hand Controlled
5AMHL01S-LH	Monopolar Hook Left 30cm - Lock - Hand Controlled
5AMHR01-LH	Monopolar Hook Right 38cm - Lock - Hand Controlled
5AMHR01S-LH	Monopolar Hook Right 30cm - Lock - Hand Controlled



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Product Brochure 25101v1