

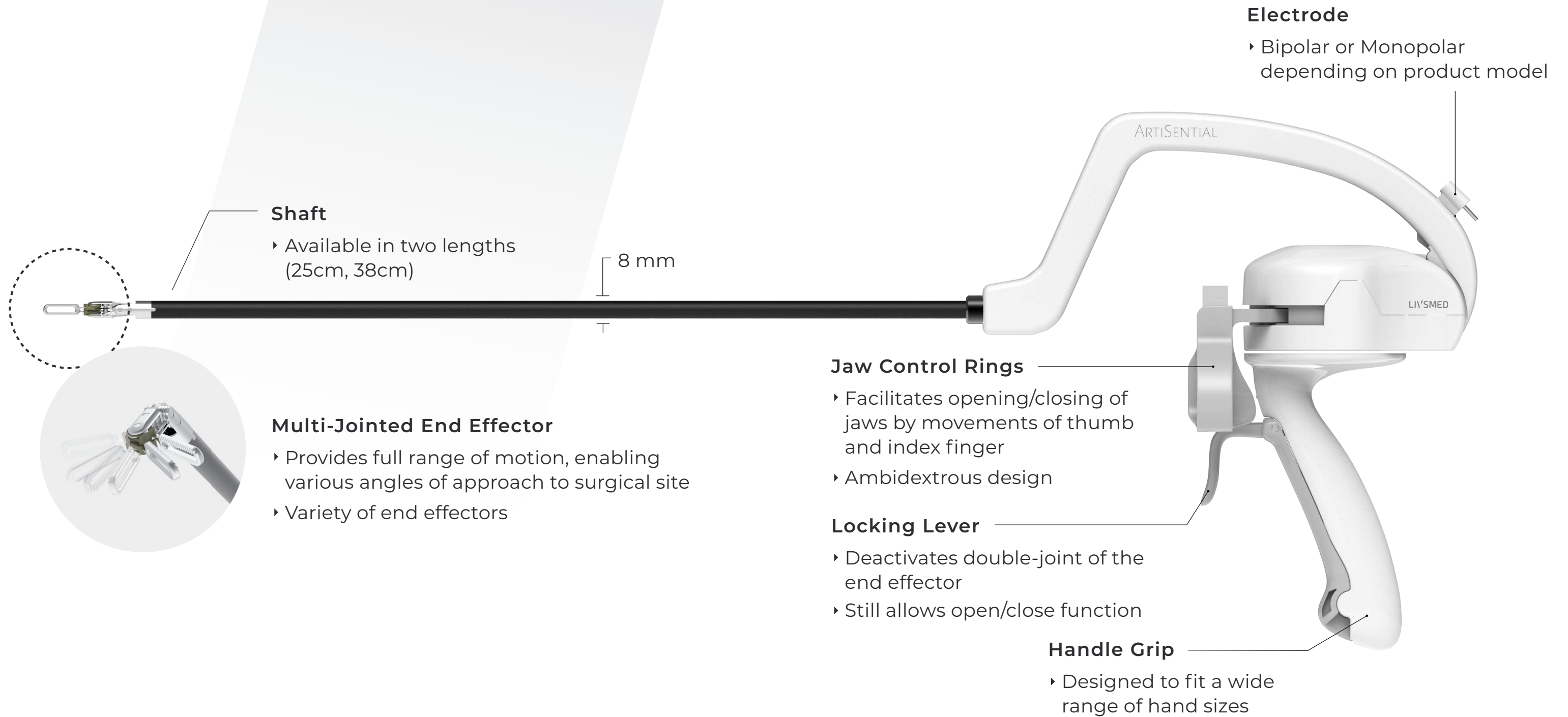
LIV'SMED



ARTISENTIAL<sup>®</sup>  
Articulating Laparoscopic Instrument

# ArtiSential® Anatomy

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



## Shaft

- ▶ Available in two lengths (25cm, 38cm)

8 mm

## Multi-Jointed End Effector

- ▶ Provides full range of motion, enabling various angles of approach to surgical site
- ▶ Variety of end effectors

## Jaw Control Rings

- ▶ Facilitates opening/closing of jaws by movements of thumb and index finger
- ▶ Ambidextrous design

## Locking Lever

- ▶ Deactivates double-joint of the end effector
- ▶ Still allows open/close function

## Handle Grip

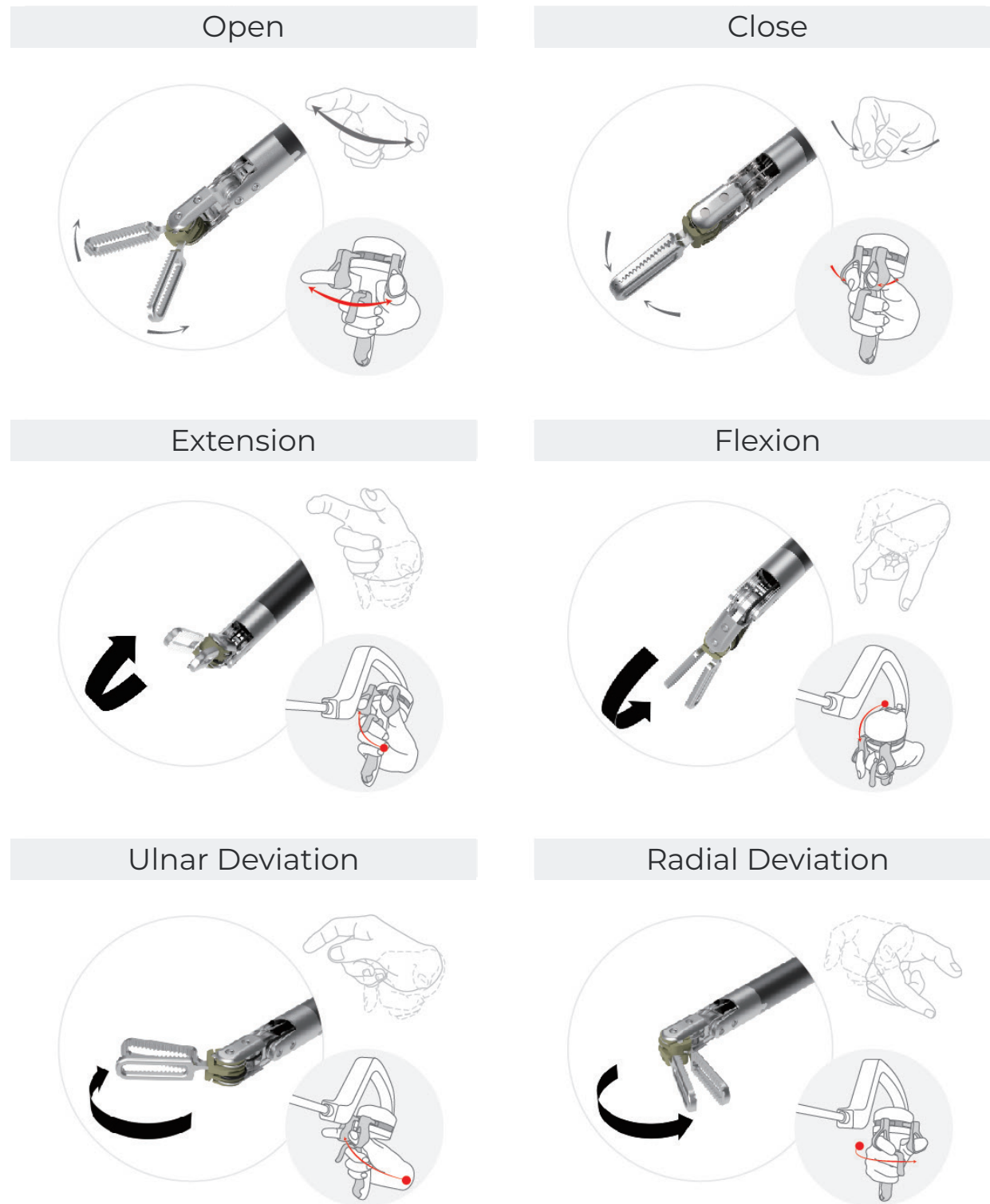
- ▶ Designed to fit a wide range of hand sizes

## Electrode

- ▶ Bipolar or Monopolar depending on product model

# 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<sup>®</sup> Articulating Laparoscopic Instrument

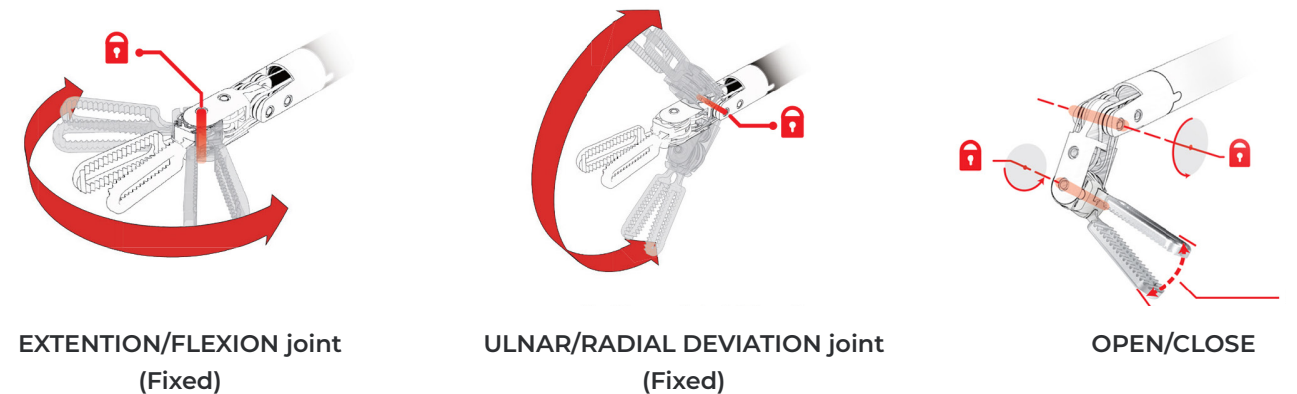


Activating the locking feature

Push the <sup>1</sup>lever outward  
The <sup>2</sup>lever goes down and activates the lock

Deactivating the locking feature

Pull the <sup>1</sup>lever inward until  
the <sup>2</sup>lever clicks and deactivates the lock



EXTENSION/FLEXION joint  
(Fixed)

ULNAR/RADIAL DEVIATION 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 surgical procedures



## ArtiSential Instruments

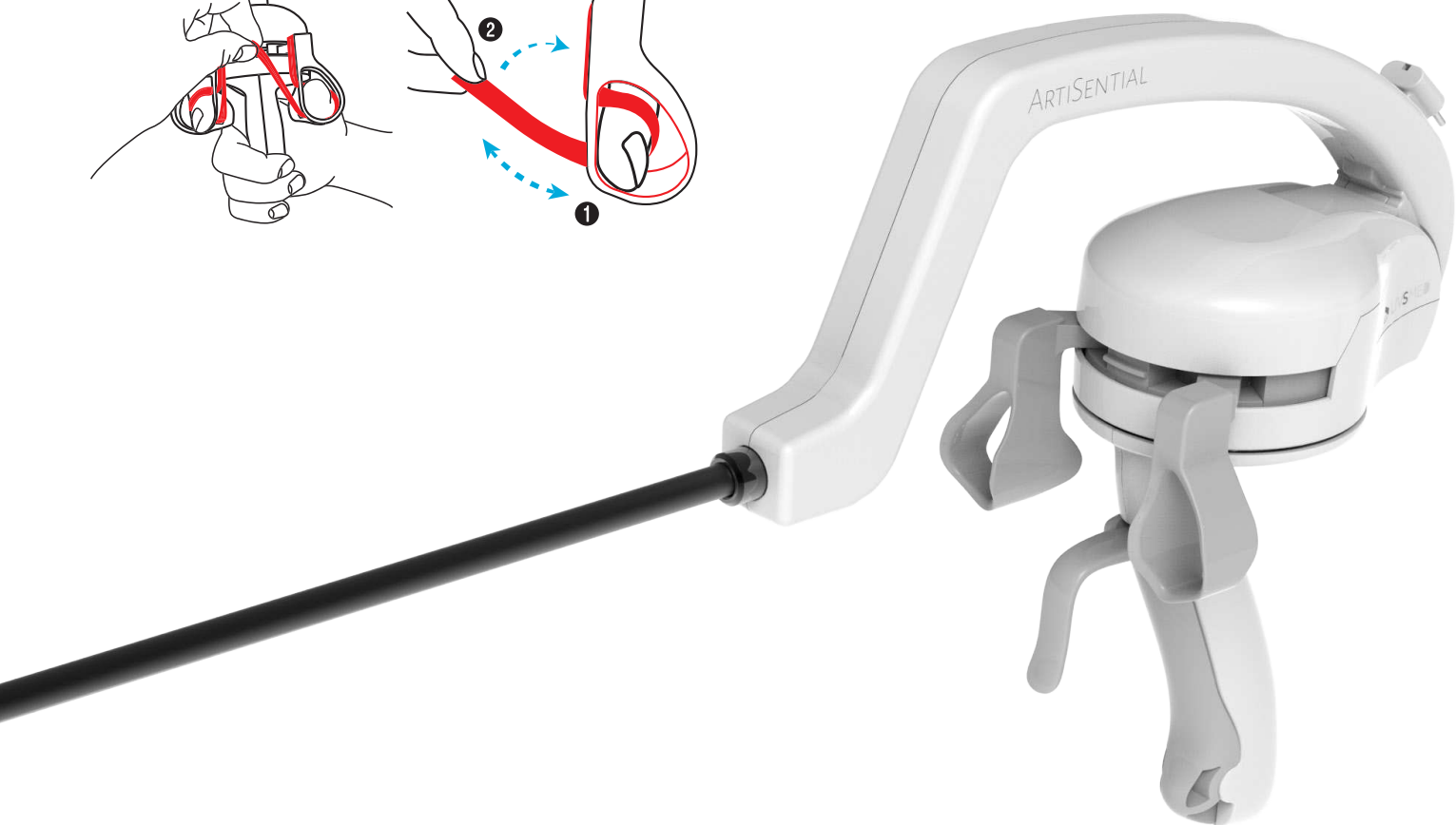
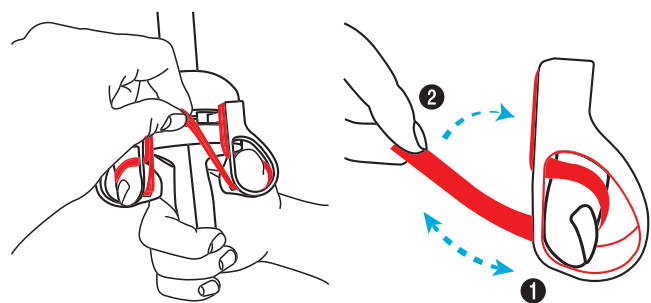
### The Next Evolution in MIS

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

# ARTISENTIAL<sup>®</sup>

Articulating Laparoscopic Instrument

— ADJUSTABLE —



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.

## Fenestrated Forceps

Jaw Length - 18mm



Item Code	Product Description
AUF01-L	Fenestrated Forceps 38cm - Lock
AUF01-LV	Fenestrated Forceps 38cm - Lock / Adjustable
AUF01S-L	Fenestrated Forceps 25cm - Lock
AUF01S-LV	Fenestrated Forceps 25cm - Lock / Adjustable

## Bipolar Fenestrated Forceps

Jaw Length - 18mm



Item Code	Product Description
AUB01-L	Bipolar Fenestrated Forceps 38cm - Lock
AUB01-LV	Bipolar Fenestrated Forceps 38cm - Lock / Adjustable
AUB01S-L	Bipolar Fenestrated Forceps 25cm - Lock
AUB01S-LV	Bipolar Fenestrated Forceps 25cm - Lock / Adjustable

## Maryland Dissector

Jaw Length - 20mm



Item Code	Product Description
AUD01-L	Maryland Dissector 38cm - Lock
AUD01-LV	Maryland Dissector 38cm - Lock / Adjustable
AUD01S-L	Maryland Dissector 25cm - Lock
AUD01S-LV	Maryland Dissector 25cm - Lock / Adjustable

## Bipolar Maryland Dissector

Jaw Length - 20mm



Item Code	Product Description
ABD01-L	Bipolar Maryland Dissector 38cm - Lock
ABD01-LV	Bipolar Maryland Dissector 38cm - Lock / Adjustable
ABD01S-L	Bipolar Maryland Dissector 25cm - Lock
ABD01S-LV	Bipolar Maryland Dissector 25cm - Lock / Adjustable

## Bipolar Precise Dissector

Jaw Length - 17mm



Item Code	Product Description
ABD02-L	Bipolar Precise Dissector 38cm - Lock
ABD02-LV	Bipolar Precise Dissector 38cm - Lock / Adjustable
ABD02S-L	Bipolar Precise Dissector 25cm - Lock
ABD02S-LV	Bipolar Precise Dissector 25cm - Lock / Adjustable

## Needle Holder

Jaw Length - 12mm



Item Code	Product Description
ANH01-L	Needle Holder 38cm - Lock
ANH01-LV	Needle Holder 38cm - Lock / Adjustable
ANH01S-L	Needle Holder 25cm - Lock
ANH01S-LV	Needle Holder 25cm - Lock / Adjustable

## Precise Needle Holder

Jaw Length - 9mm



Item Code	Product Description
ANH02-L	Precise Needle Holder 38cm - Lock
ANH02-LV	Precise Needle Holder 38cm - Lock / Adjustable
ANH02S-L	Precise Needle Holder 25cm - Lock
ANH02S-LV	Precise Needle Holder 25cm - Lock / Adjustable

## Clip Applier Medium Large

Jaw Length - 19mm



Item Code	Product Description
ACA01-L	Clip Applier Medium Large 38cm - Lock
ACA01-LV	Clip Applier Medium Large 38cm - Lock / Adjustable
ACA01S-L	Clip Applier Medium Large 25cm - Lock
ACA01S-LV	Clip Applier Medium Large 25cm - Lock / Adjustable

## Monopolar Spatula

Jaw Length - 5mm



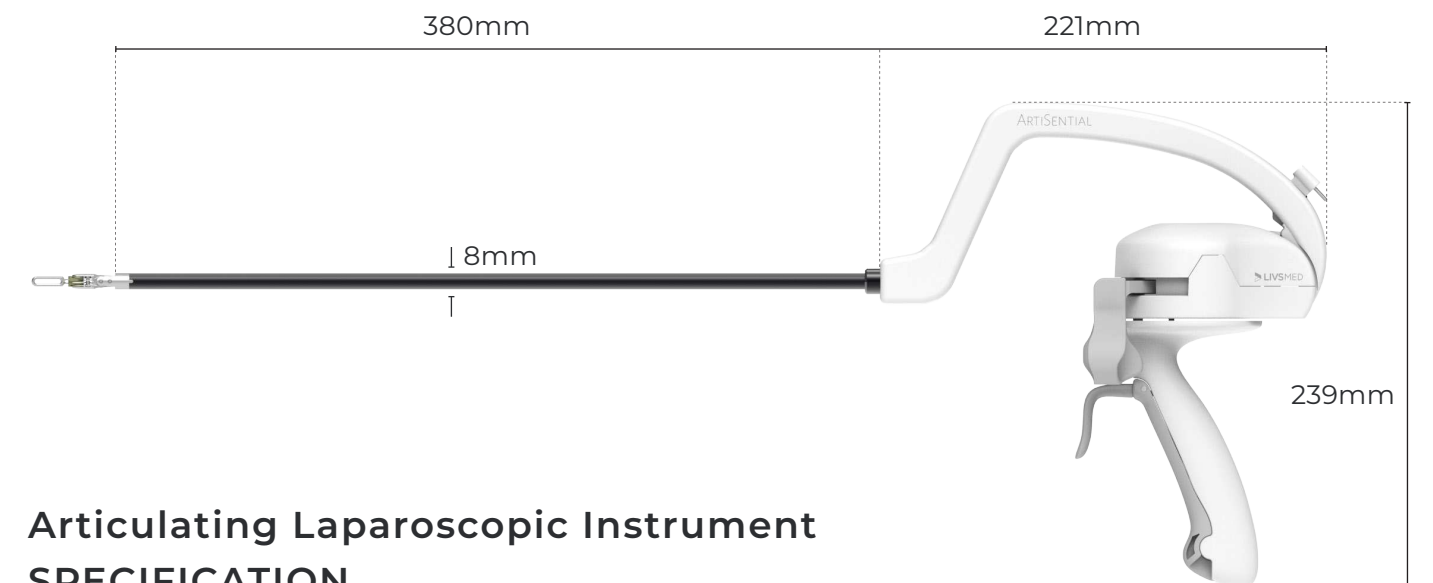
Item Code	Product Description
AMT01-L	Monopolar Spatula 38cm - Lock
AMT01S-L	Monopolar Spatula 25cm - Lock

## Monopolar Hook

Jaw Length - 8mm



Item Code	Product Description
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



## Articulating Laparoscopic Instrument SPECIFICATION



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