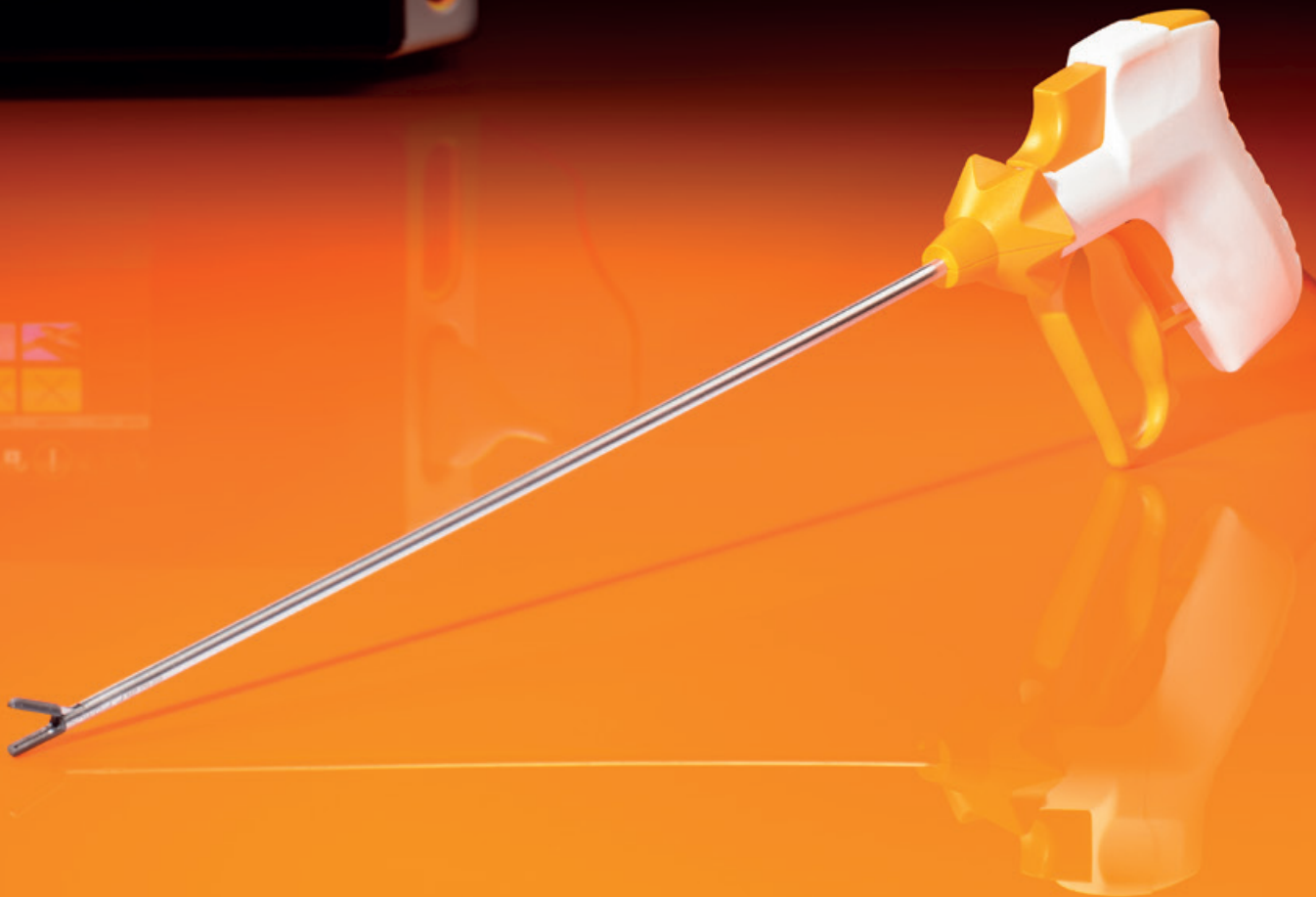


BOWA  
ERGO  
310D

ERGO 310D – THE NEW GENERATION  
MAXIMUM EFFICIENCY FOR BIPOLAR  
SEALING AND CUTTING



**BOWA**  
EINFACH SICHER

# ERGO 310D – Efficient through and through



## Ergonomics meets economics

With the ERGO 310D you enjoy the advantages of an innovative, multi-function instrument for laparoscopic operations. Special attention has been given to the cutting mechanism, which is

fully separate from the actuation lever for opening and closing the jaw insert. This virtually eliminates the inadvertent parting of tissue. The activation button is centrally positioned and



can be pressed with the thumb or index finger. The atraumatic jaw insert is equipped with an integrated, very sharp high-performance blade.

As a sterile single-use device for vessel sealing, the ERGO 310D is easy to handle and immediately usable.

## Precision – your safety in detail

### Blunt preparation

The rounded geometry of the instrument tip enables a wide variety of preparation methods.

### Low reflectivity

The surface of the instrument tip is darkened to avoid irritation and improve visualisation.

### Minimal thermal spread

Thanks to insulated mounting of electrode surfaces.

### Secure basis

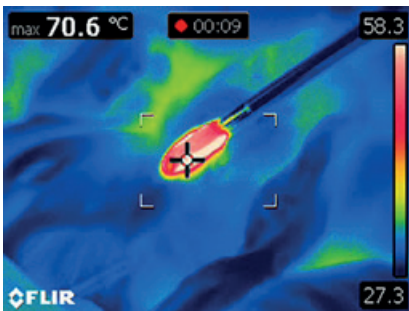
The lower jaw of the jaw insert provides a stable basis for preparation.

### New blade design

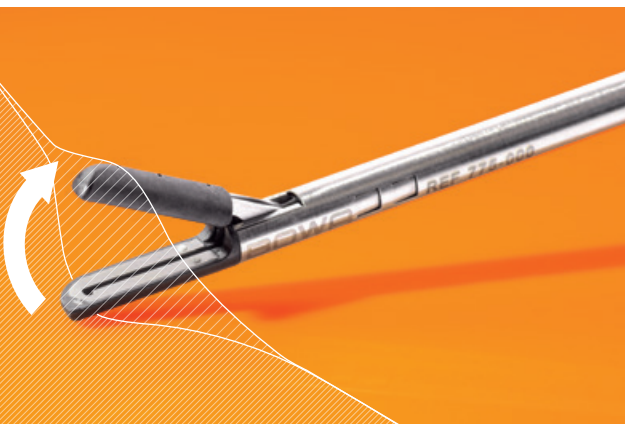
Very sharp high-performance blade with special honing for improved cutting performance with vessels and tissue bundles.



## Low heating for reliable application



The sandwich structure reduces thermal spread. The active electrode surfaces are fully insulated from the instrument to virtually prevent heat transfer.



### Dissection

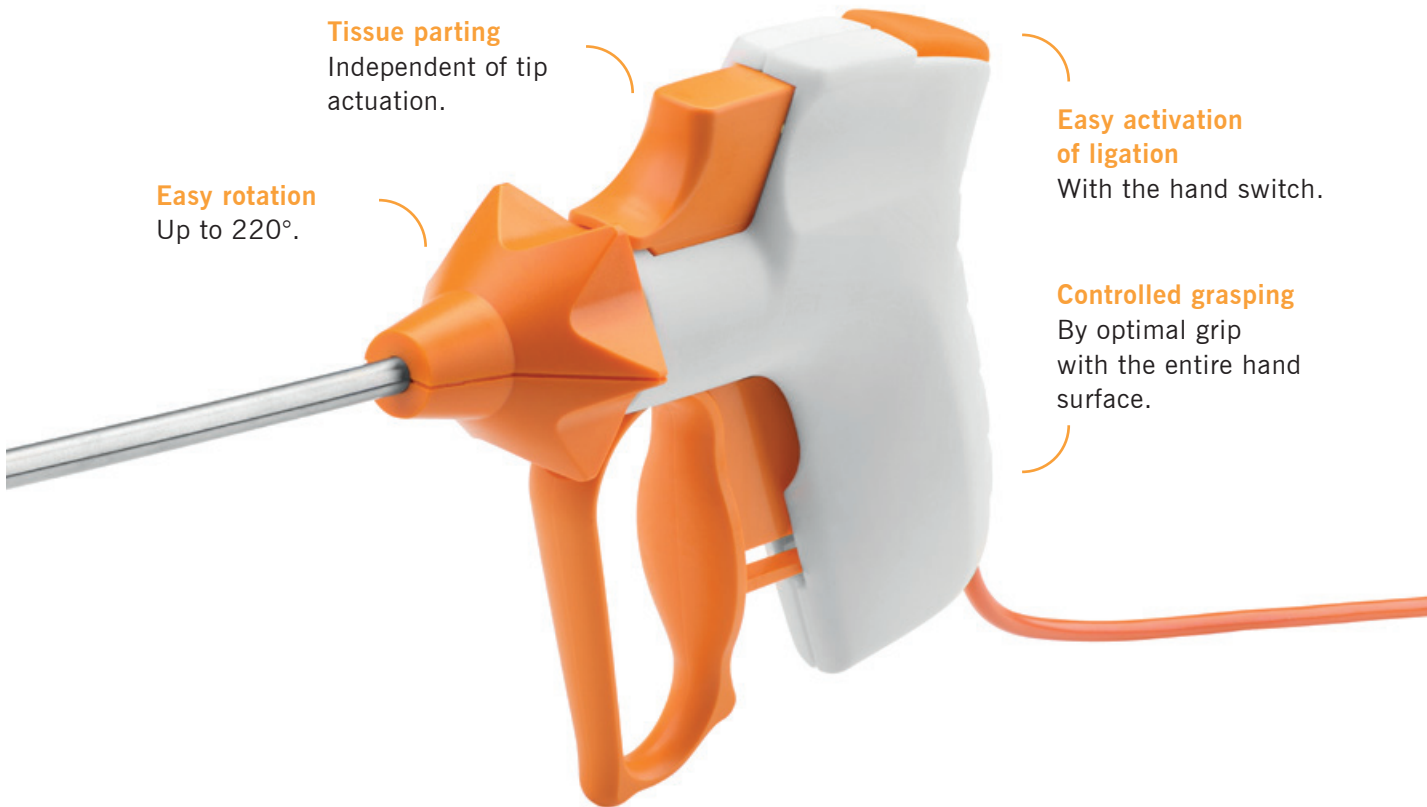
Active tissue manipulation is possible by pressing the actuation lever.



### Preparation

With the instrument jaws closed, blunt tissue preparation is possible and is additionally supported by the unilateral jaw geometry.

## Full control in your own hand



## Instrument recognition

Thanks to modern RFID technology, the BOWA electrocautery devices ARC 400 and ARC 350 with Ligation recognise the ERGO 310D and select the ligation mode, which is self-regulating according to the tissue type.



### Ligation

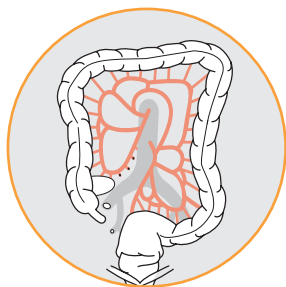
Tissue and vessels can be grasped by closing the grip lever. Latching followed by activation with the hand switch until a signal tone sounds initiates the sealing process.



### Cutting

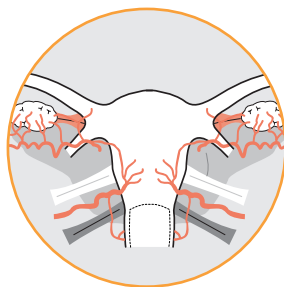
Tissue can be parted at any time with the integrated blade.

## Clinical application



### Surgical applications

- Colectomy
- Gastrectomy
- Liver resection
- Lobectomy
- Sigmoidectomy
- Fundoplication
- Adrenalectomy
- Bariatric surgery
- Adhesiolysis
- Splenectomy
- Appendectomy



### Gynaecological applications

- Hysterectomy (TLH, LASH, LAVH)
- Wertheim-Meigs operation
- Oophorectomy



### Urological applications

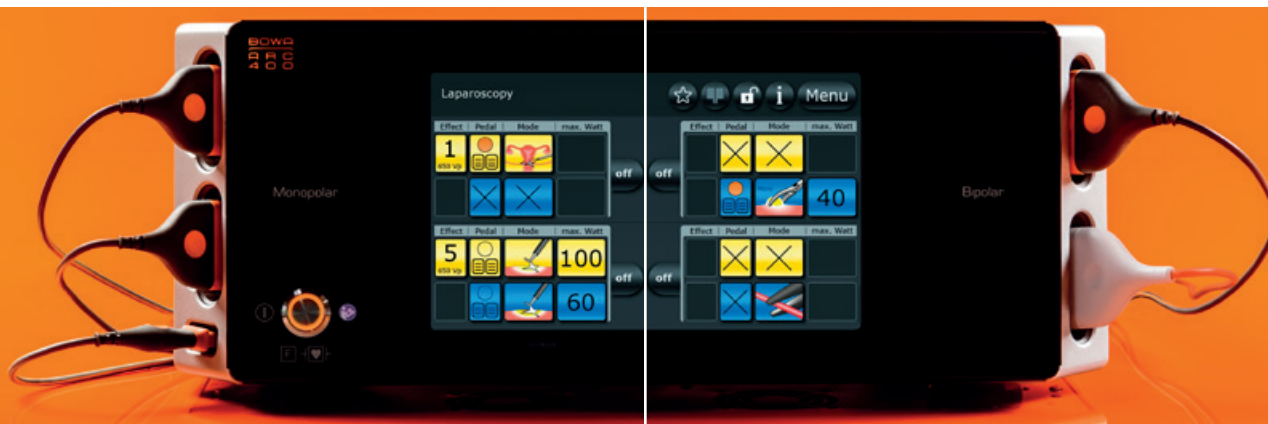
- Prostatectomy
- Cystectomy
- Nephrectomy

## Clinical benefits

Rely on proven technology for permanent vessel and tissue sealing: BOWA LIGATION. And on a precise instrument for use in laparoscopic surgery with integrated cutting function, eliminating the need to exchange instruments: ERGO 310D. Excellent ergonomics and tactile surfaces with proven practical benefit lead to optimal operation results.

Benefit from the advantages of non-invasive surgery and save valuable operating time as well as stitching material and clamps.

ERGO 310D is a BOWA LIGATION instrument for fast, reliable and permanent closure of large-diameter veins, arteries and tissue bundles. In combination with the ARC 400 and ARC 350 COMFORT generators, ERGO 310D is the instrument of choice for ligation.



### ARC 400 or ARC 350

High-end electrocautery device for all common operations.

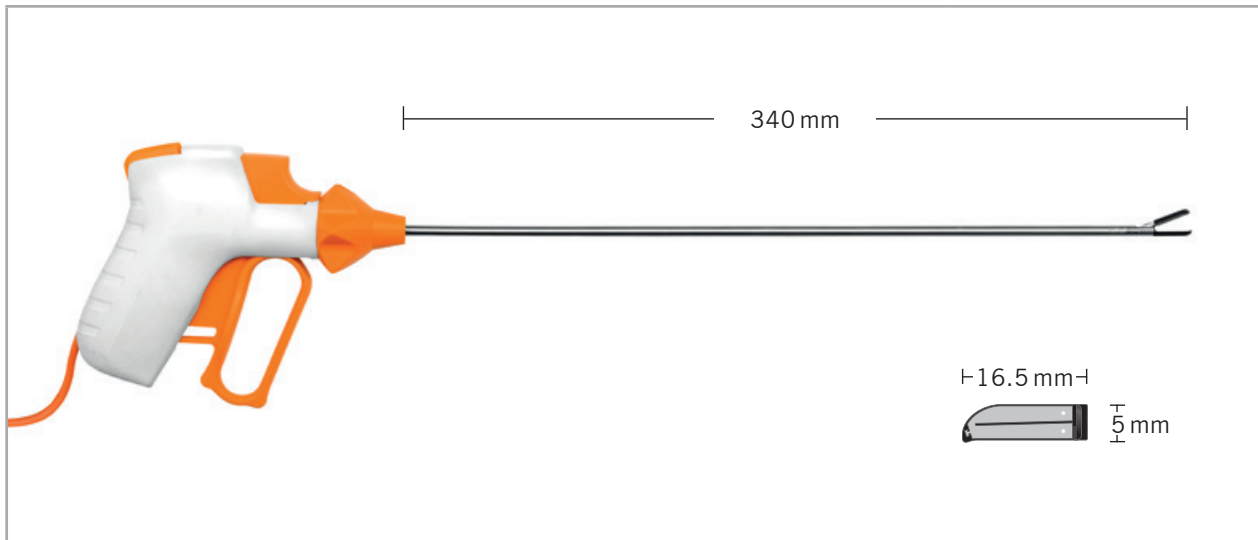
### Ligation mode

Added value with the integrated vessel sealing option.

## Ordering data



### ERGO 310D ligation instrument



Type	VPE	REF
ERGO 310D Laparoscopic ligation instrument, sterile	5	775-000

## Technical data

Technical data summary	ERGO 310D Ligation Instrument
Working length	340 mm
Diameter	5 mm
Insulation voltage	200 V <sub>p</sub>
Electrical property	Bipolar
Preparation	not allowed
Connector type	BOWA Comfort
Allowable combination	BOWA ARC 400/350. Only for ARC generators with ligation.
Rotation	220°
Product dimensions	495 x 116 x 43 mm

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