



erbe
power your performance.

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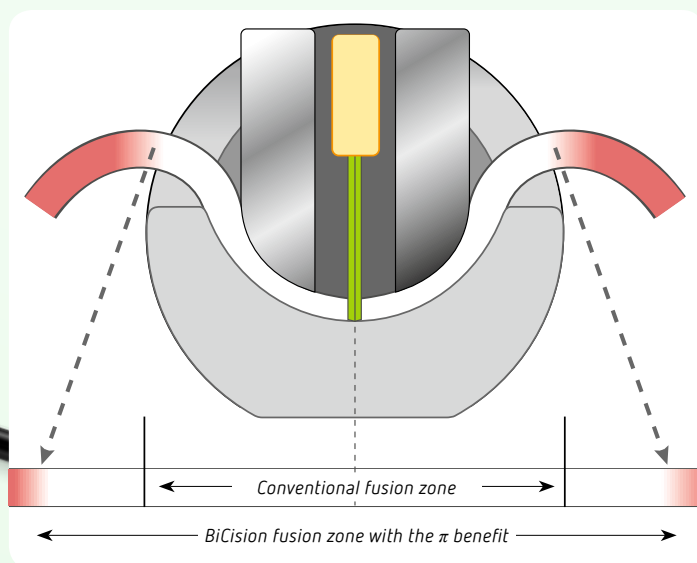
BiCision®

Thermofusion and dissection
with the π benefit

The BiCision safety concept

Maximum thermofusion – minimum coagulation seam

BiCision enables you to prepare, coagulate, thermofuse and dissect vessels and tissues without changing instruments. This makes BiCision a unique instrument in terms of function and safety.



π benefit

Maximum thermofusion

The bowl-shaped jaw generates a wider fusion zone than with any other instruments with a 5 mm shaft. We call this effect the “ π benefit”. It makes for additional safety and minimizes the risk of bleeding.

Optimal dissection

The cutting blade dissects precisely in the center of the fusion zone and produces homogenous and stable resection margins. The tissue is securely held during cutting. The blade geometry and cutting process result in a smooth cut, the length of which can be well controlled visually.

BiCision stays “cool-headed”

BiCision’s jaws have a low thermal capacity and cool fast due to their small volume. This also decreases the potential for unwanted thermal lesions while positioning BiCision in the surgical target area or during preparation. The jaw geometry with defined current flow and electrically isolating ceramic shell minimize the coagulation seam. This ensures yet more safety.

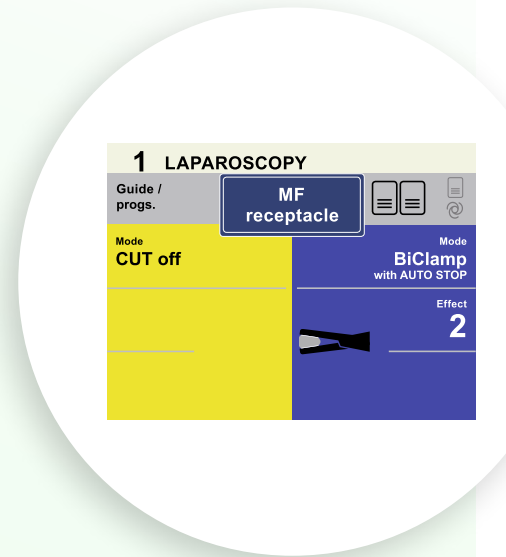
A strong team:

BiCision and the BiClamp Mode

Integrated system safety

Erbe VIO's BiClamp mode ensures perfect thermofusion through Plug and Play and intelligent current types. The AUTO STOP function automatically terminates sealing as soon as the collagen and elastin tissue structures have thermofused into a durable and secure bond. Only this safe vessel closure enables new surgical procedures with minimally invasive access routes to be developed. Using BiCision means that vessels do not need to be exposed separately.

All this saves surgery time and costs and promotes patient healing. Foreign material such as clips and sutures can be largely dispensed with. This further contributes to the relief of postoperative pain symptoms.



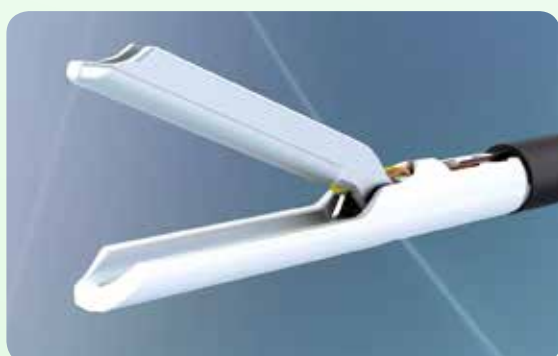
BENEFITS OF BICISION IN COMBINATION WITH THE VIO SYSTEM

- ✔ Multifunctional, complete electro-surgical system
- ✔ Instrument and generator are optimally matched
- ✔ Plug and Play function
- ✔ No carbonization, minimum tissue adhesion
- ✔ Low aerosol formation, good view of surgical target area
- ✔ Minimum residual heat, so reduced risk of unwanted coagulation of adjacent structures



BiCision operating concept: get a grip!





π BENEFIT: THE ADVANTAGES OF THE BOWL SHAPE

01

- ✔ Significantly larger thermofusion zone than other instruments with 5 mm shaft and parallel jaw geometry
- ✔ Optimal tissue fixation (patented)
- ✔ Good preparation characteristics
- ✔ Incision always in the center of the fusion zone
- ✔ Long, well controllable cut
- ✔ Blade shape allows an homogenous and smooth cut

THE BENEFITS OF THE LOW THERMAL CAPACITY DUE TO THE SMALL JAW VOLUME

02

- ✔ Rapid cooling of the jaws, which are electrically insulated with a ceramic shell. Therefore only a minimum coagulation seam develops beyond the grasping surfaces.

BENEFITS OF THE JAW LENGTH

02

- ✔ The jaw length means large fusion and dissection lengths each time and so makes for fast work.

ACTIVATION OF THE ELECTROSURGERY FUNCTION

03

- ✔ The thermofusion function is started with either the fingerswitch or footswitch. Automatic deactivation with AUTO STOP.

360° SHAFT ROTATION (INFINIT ROTATION) FACILITATES ERGONOMIC WORKING

04

- ✔ The rotation allows the jaws to be steplessly positioned on the target tissue. This function enables precise preparation.

THE CUTTING SAFETY

05

- ✔ Lever position up: dissection is possible. Down position: dissection is locked. This helps prevent inadvertent cutting.

FUNCTION AND ERGONOMICS OF THE HANDLE

06

- ✔ Pressing the handle closes the jaws. When the handle locks the grasping surfaces automatically have the ideal contact pressure. Pressing the handle down further advances the cutting blade and dissects the tissue, when the cutting function is unlocked (patent pending).

BiCision in surgery, gynecology, urology ...

Operative procedures in surgery, urology and gynecology, and other specialities benefit from BiCision's sealing quality.



The jaw length makes rapid resection of the colon from the peritoneum and mesenterium possible



Comfortable work in gynecology due to the rotatable shaft



Minimized risk of thermal injury to sensitive structures in urology (such as ureter or nerves)

Additional interdisciplinary benefits:

- ☑ Maximum thermofusion zone
- ☑ Minimum coagulation seam, so only minimum thermal lateral necroses
- ☑ Small volume and the resulting low thermal capacity of the jaws minimize the risk of harm to critical structures such as nerves or ureter
- ☑ Good preparation characteristics
- ☑ BiCision's three different lengths cover any surgical requirement (open surgery, standard laparoscopic and adipositas surgery)
- ☑ The jaw length allows large fusion and dissection lengths for each work step and so makes for fast work
- ☑ 360° shaft rotation allows precise jaw placement in the target area

BiCision is used in these disciplines

GENERAL SURGERY:

- ☑ Sigmoidectomy
- ☑ Gastrectomy
- ☑ Fundoplicatio
- ☑ Adrenalectomy
- ☑ Colectomy
- ☑ Liver surgery
- ☑ Adhesiolysis
- ☑ Splenectomy
- ☑ Appendectomy
- ☑ Adipositas surgery

GYNECOLOGY:

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

UROLOGY:

- ☑ Prostatectomy
- ☑ Cystectomy
- ☑ Nephrectomy

BiCision Models: for all cases

The model for
open surgery procedures



BiCision S
Ø 5 mm, shaft length 200 mm
No. 20195-310

For standard
laparoscopic procedures



BiCision M
Ø 5 mm, shaft length 350 mm
No. 20195-311

For adipositas surgery



BiCision L
Ø 5 mm, shaft length 450 mm
No. 20195-312



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