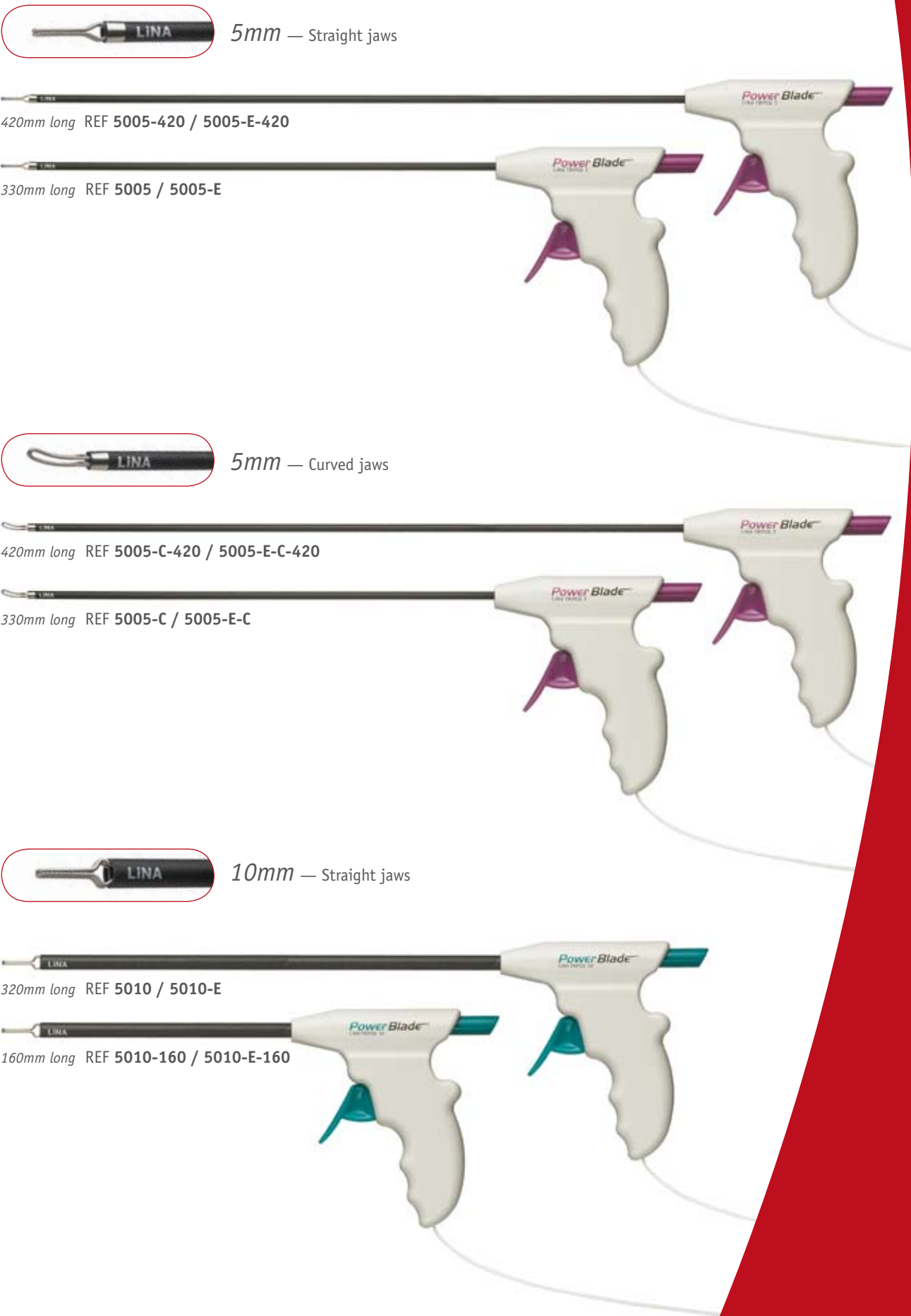


The LiNA PowerBlade Family

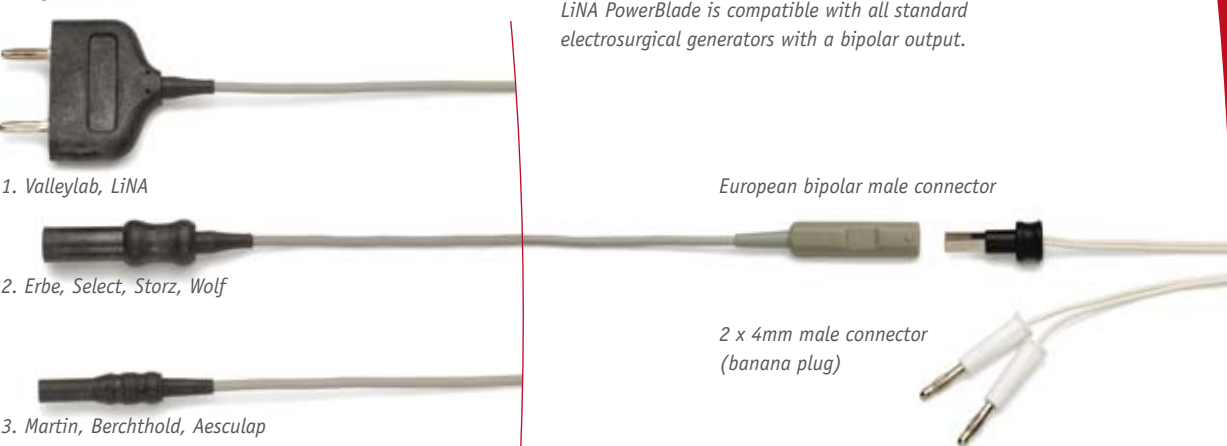


LiNA
PowerBlade
Tripol 5 and 10mm
Single use bipolar cutting
and coagulating forceps for
laparoscopic surgery.



- Two connectors**
The LiNA PowerBlade is available with 2 different connectors. **Choose either:**
- 3m cable with 2 x 4mm male connector (banana plug) **or**
 - 25cm cable with European bipolar male connector to be used with standard European cables.

LiNA bipolar cables available for below ESU generators:



LiNA PowerBlade is compatible with all standard electrosurgical generators with a bipolar output.

Ordering information:			LiNA PowerBlade 0459
REF.	LiNA PowerBlade — Single use only — Single packed — Sterile	Packing	CE
5005	5mm(diam) — 330mm long — with 3m cable and 2 x 4mm bipolar male connector	Box of 5	
5005-E	5mm(diam) — 330mm long — with 25cm cable and European bipolar male connector	Box of 5	
5005-420	5mm(diam) — 420mm long — with 3m cable and 2 x 4mm bipolar male connector	Box of 5	
5005-E-420	5mm(diam) — 420mm long — with 25cm cable and European bipolar male connector	Box of 5	
5010	10mm(diam) — 320mm long — with 3m cable and 2 x 4mm bipolar male connector	Box of 5	
5010-E	10mm(diam) — 320mm long — with 25cm cable and European bipolar male connector	Box of 5	
5010-160	10mm(diam) — 160mm long — with 3m cable and 2 x 4mm bipolar male connector	Box of 5	
5010-E-160	10mm(diam) — 160mm long — with 25cm cable and European bipolar male connector	Box of 5	
5005-C	5mm(diam)curved jaws — 330mm long — with 3m cable and 2 x 4mm bipolar male connector	Box of 5	
5005-E-C	5mm(diam)curved jaws — 330mm long — with 25cm cable and European bipolar male connector	Box of 5	
5005-C-420	5mm(diam)curved jaws — 420mm long — with 3m cable and 2 x 4mm bipolar male connector	Box of 5	
5005-E-C-420	5mm(diam)curved jaws — 420mm long — with 25cm cable and European bipolar male connector	Box of 5	
360131L	Bipolar Cable — Reusable —4,5m cable with safety plug for ERBE, Select, Storz, Wolf	1 per Box	
360139L	Bipolar Cable — Reusable —4,5m cable with safety plug for Martin, Berchthold, Aesculap	1 per Box	
360150L	Bipolar Cable — Reusable —4,5m cable with safety plug for Valleylab and LiNA	1 per Box	

LiNA distributor in your country:



Typical procedures

The advantages of the LiNA PowerBlade are obvious and remarkable in a wide range of both gynaecology, urology and general laparoscopic surgery procedures such as:

Gynaecology:

- LAVH Laparoscopic Assisted Vaginal Hysterectomy
- Subtotal and Total Hysterectomy
- Open Hysterectomy
- Transection of ectopic pregnancy
- Myomectomy
- Salpingectomy
- Oophorectomy
- Uterosacral nerve transection

General Surgery:

- Nissen Fundoplication
- Cholecystectomy
- Appendectomy
- Assisted Colon Resection
- Adhesiolysis
- Vagotomy
- Colectomy
- Oesophajectomies/Whipples
- Gastrectomy (open and lap procedures)

Urlogy:

- Cystectomy (open and lap procedures)
- Radical Prostatectomy (open and lap procedures)
- Nephrectomy (e.g. hand-assisted)
- Retropubic Colposuspension

Misc. Procedures:

- Saphenous Endoscopic Vein Harvesting
- Laparoscopic Aortic aneurysms
- SEPS — Subfacial Endoscopic Perforator Surgery — treatment of venous ulcers

In general: Use LiNA PowerBlade for any surgery requiring repeated division of tissue and vessels.

LiNA PowerBlade 5 and 10mm

The patented LiNA PowerBlade is a bipolar cutting and coagulating forceps developed to meet the ever increasing demand for efficiency, safety and improved techniques in laparoscopic procedures.

With its versatile range of functions — **Grasping, Dissecting, Coagulating and Cutting** with safe bipolar energy — all in one instrument, the LiNA PowerBlade is an ideal tool for many complex and costly procedures.

When applying the LiNA PowerBlade, tissue is non-traumatically grasped by the forceps and immediately coagulated. When the cutting electrode inside the cannula is advanced by pressing the rear button on the handle, tissue is easily transected with the bipolar energy. This procedure is performed without having to remove the instrument or using a second instrument and ensures that tissue is always transected precisely in the middle of the coagulated area.

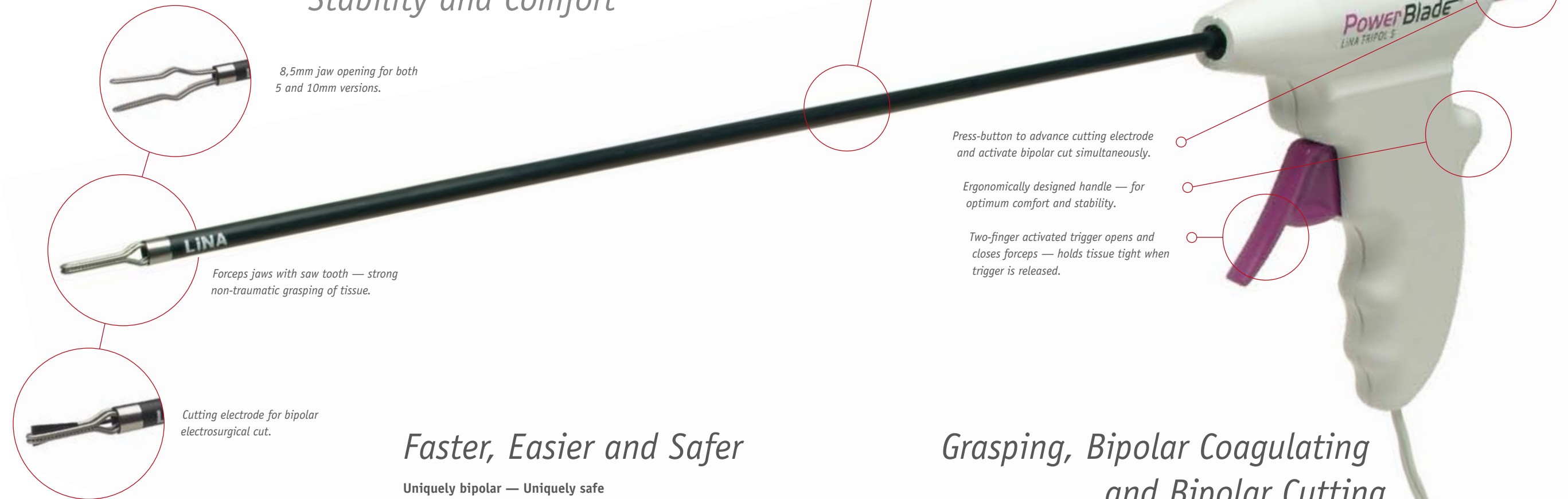
Saves costly stapling devices/clips and reduces the number of instruments needed.

The LiNA PowerBlade represents an overall time-saving and cost effective alternative to conventional instruments and techniques such as graspers, scissors, stapling devices and clips. Consequently, these instruments are conveniently replaced by the LiNA PowerBlade and overall procedure costs are thereby reduced. Many surgeons using the LiNA PowerBlade save 10-30 minutes at longer procedures like e.g. LAVH.

For use with all bipolar generators

The LiNA PowerBlade can be used together with all HF generators with bipolar output. Consequently, no investment is required to start up with the LiNA PowerBlade. Thus it can be used in all OR rooms in a hospital, unlike e.g. ultrascission products, which require a special generator.

Super light construction - only 113 g Stability and Comfort



Faster, Easier and Safer

Uniquely bipolar — Uniquely safe

The LiNA PowerBlade uses bipolar electrosurgical current to obtain safe coagulation of tissue, vessels and arteries before cutting. This eliminates the need for grounding pads and the problem of capacitive coupling and ensures that current only flows to intended tissue. To further increase safety, the LiNA PowerBlade applies bipolar energy when transecting tissue. By activating the bipolar generator with “coag” or “cut” after coagulation and advancing the cutting electrode for transection, the bipolar poles of the forceps automatically switch to become one pole and the cutting electrode the other pole. In this way the electrosurgical current passes through the tissue between the cutting electrode and the grasping forceps. This enables a bipolar electrosurgical cut with coagulation along the surface of the cutting electrode thus ensuring that no bleeding occurs if prior coagulation was insufficient.

The use of bipolar electrosurgical current to transect is an additional safety precaution which can save time and eliminate the problems of blunt cutting blades. The LiNA PowerBlade offers a safe and effective cut each time.

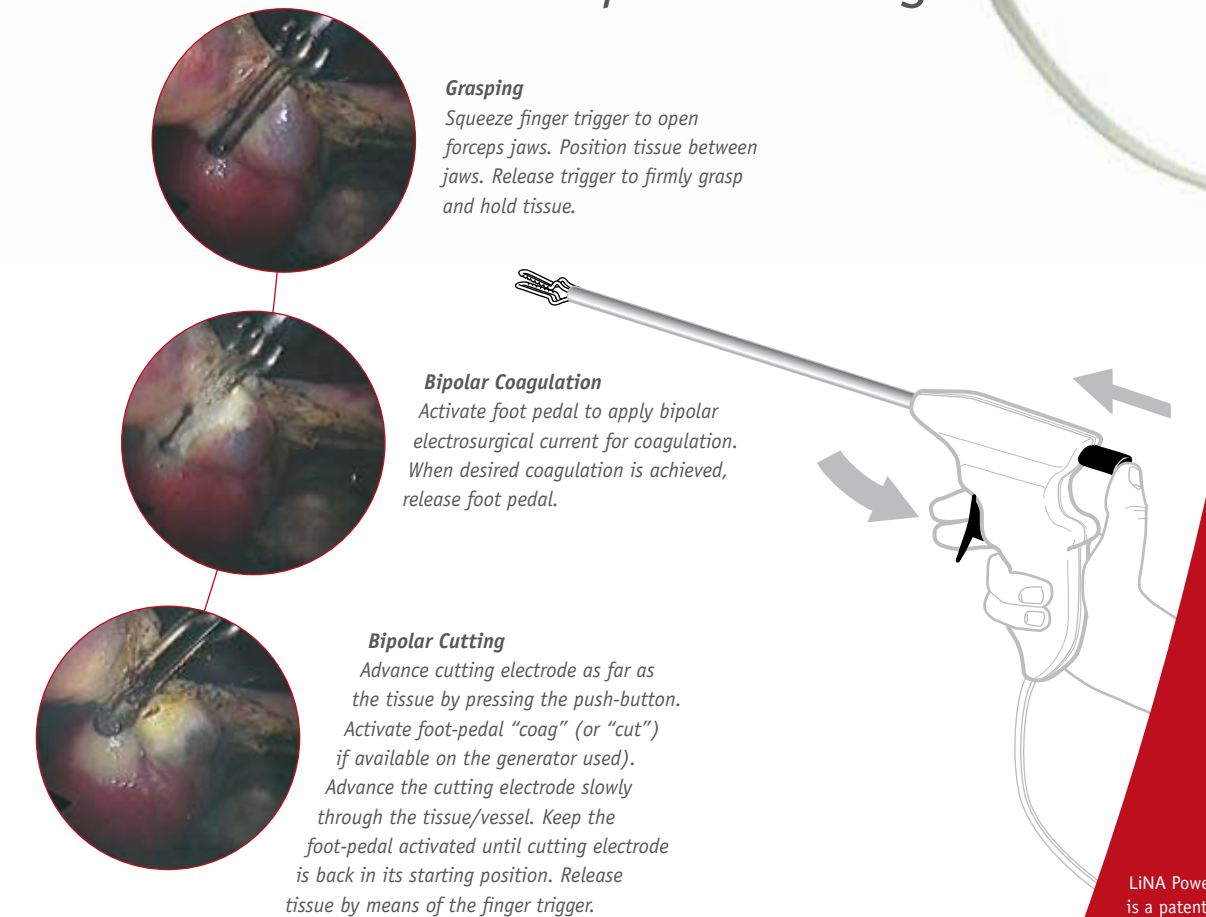
Using LiNA PowerBlade on vessels and arteries

The LiNA PowerBlade is intended for use on tissue, vessels and arteries. The procedure on vessels and arteries like e.g. the uterine or the ovarian artery is a little different from the standard procedure. The recommended procedure for larger vessels/arteries is the 3-step method:

- 1) Coagulate one side of the vessel/artery.
- 2) Coagulate the other side of the vessel/artery.
- 3) Coagulate in the middle of the vessel/artery and then finally cut with the bipolar cutting electrode.

The average time of coagulation depends on generator type, power settings and type of tissue. The recommended power setting is between 35-50 watt. The recommended maximum size of the vessels is up to 6-7mm and must be judged each time by the surgeon.

Grasping, Bipolar Coagulating and Bipolar Cutting



LiNA PowerBlade is a patented product.



Available with two different connectors :

- 1) European bipolar male connector
- 2) 2 x 4mm male connector (banana plug)