BOWA

ARC LOTUS

INTUITIVE.
ADAPTIVE.
INNOVATIVE.

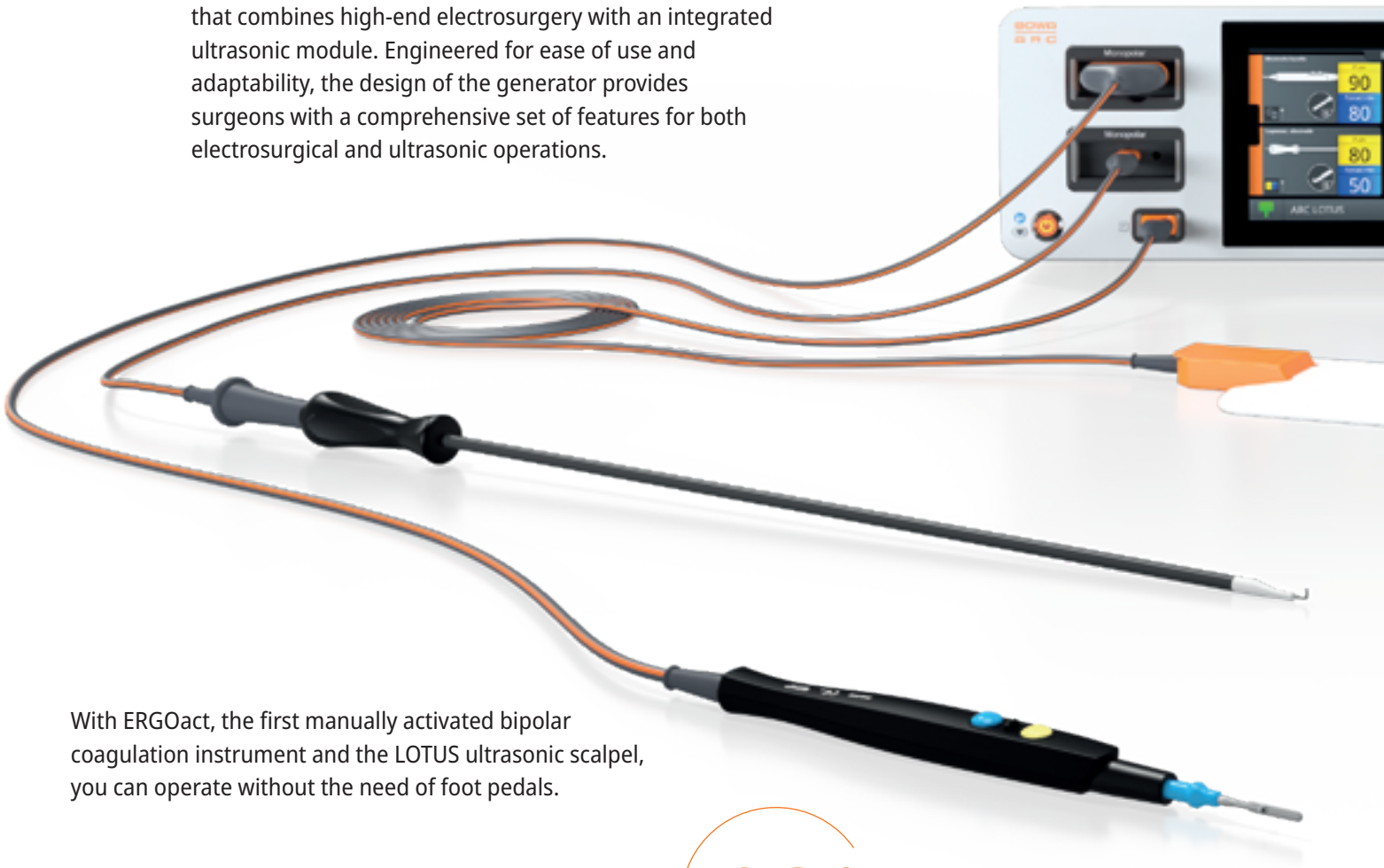
The new ARC LOTUS generator

A systematic approach to electro & ultrasonic surgery

Electrosurgery & ultrasonic surgery

Why not work with one device?

ARC LOTUS is a cutting-edge electrosurgical generator that combines high-end electrosurgery with an integrated ultrasonic module. Engineered for ease of use and adaptability, the design of the generator provides surgeons with a comprehensive set of features for both electrosurgical and ultrasonic operations.



With ERGOact, the first manually activated bipolar coagulation instrument and the LOTUS ultrasonic scalpel, you can operate without the need of foot pedals.

96 % of users found the combination to be advantagous.

INTUITIVE

The device features a user-friendly interface with clearly labelled controls and a touchscreen display, allowing surgeons to navigate settings and functions with ease, even in the midst of a complex surgery.

ADAPTIVE

The device offers both electrosurgical and ultrasonic capabilities in a single device, providing surgeons with the flexibility to choose the most suitable modality for different procedures and tissue types.

INNOVATIVE

With its innovative design, the device allows for quick and easy adjustment of functions to the desired settings. Surgeons can effortlessly modify parameters, ensuring precise control over the surgical process.

Space Efficiency

The consolidated design saves valuable operating room space by eliminating the need for separate electrosurgical and ultrasonic generators.

Time-Saving

With a single setup process for both electrosurgical and ultrasonic functions, the ARC LOTUS reduces preparation time before surgeries.

ARC LOTUS
knows no boundaries!

In the operating theatre, your hands are the most important and effective tool. With ERGOact, the first manually activated bipolar coagulation instrument and LOTUS, the powerful torsional ultrasonic scalpel, you can operate without foot pedal.

Full concentration on the surgical work

The ARC LOTUS very pleasantly surprised us. Its simplicity and quality has positively influenced my work. It is also, which is an important topic, simple to the nursing staff.

Dr. Cadiére / Colorectal and bariatric surgeon, FRANCE

Since I was already working with LOTUS and was interested in also working with the bipolar instrument with hand activation, this is now an ideal situation to be able to use both systems hand activation instruments with one device. It is also a simple device that can be quickly adopted by other colleagues.

Dr. Lavrynets / Colorectal and bariatric surgeon, POLAND

As liver surgeon, quality and reliability in medical equipment is a priority for me. These I find in the ARC LOTUS. The simplicity of the device is an added bonus for the OR staff. In addition, it gives me a better quality.

Dr. Martinez-Cecilla / Liver resection-transplantation surgeon, SPAIN

LOTUS dissecting shears

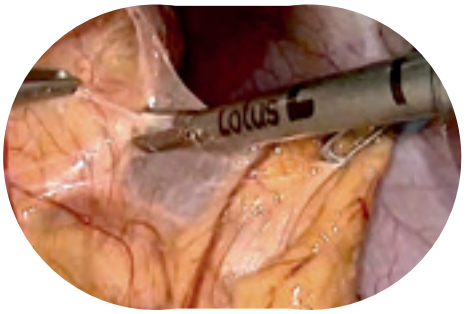
Surgical PRECISION

The unique, torsional ultrasonic energy enables the surgeon to control the tissue effect depending on the power level and the jaw closing force applied. Through the trigger pressure, the user can directly influence the degree of haemostasis and cutting speed.

Fine, curved jaws for opening and dissecting tissue layers

AREAS OF APPLICATION

- General surgery
- Thoracic surgery
- Gynaecology
- ENT
- Urology
- Bariatric surgery



LOTUS Liver Resectors

Ultrasonic dissectors specifically designed for liver parenchyma

The torsional ultrasound technology can be employed to carefully separate the liver parenchyma, allowing for the exposure, skeletonisation, and isolation of vital structures within the liver bed. This advanced method enhances surgical precision and control during hepatic procedures, whilst reducing blood loss and improving overall outcomes.

AREA OF APPLICATION

Liver surgery

Torsional ultrasonic energy

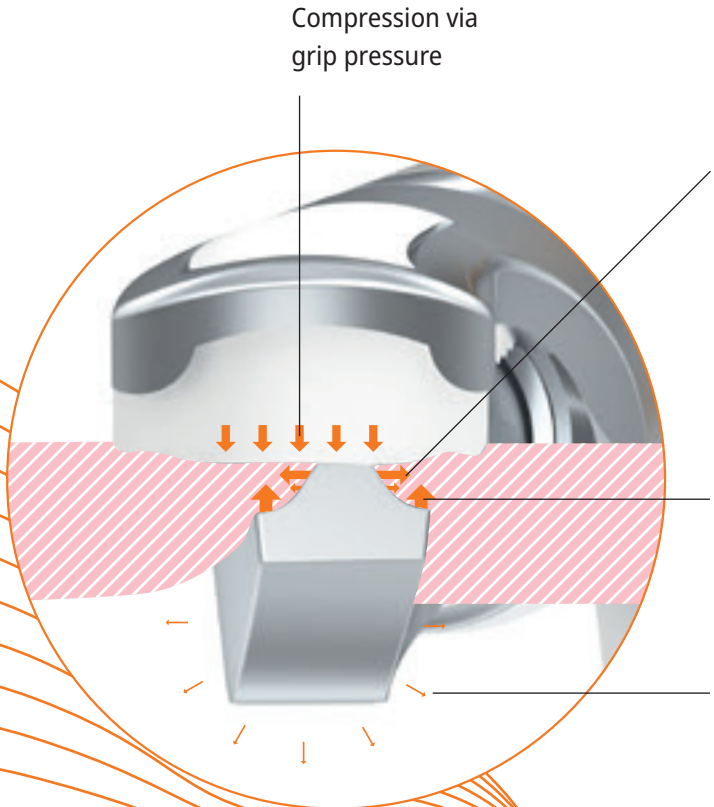
User-controlled application for efficient haemostasis and rapid dissection

Unique energy output directly into the target tissue

With torsional ultrasonic energy, the waveguide tip oscillates in a small arc around its axis. In doing so, the energy can be focused to ensure a targeted compression on the grasped tissue.

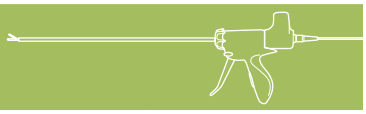
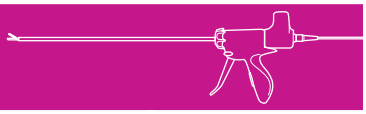
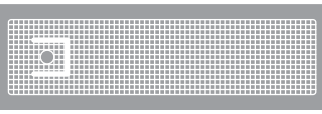
Efficient dissection and coagulation

The compression force is responsible for direct energy transfer into the tissue and produces haemostatic dissection and coagulation in the form of heat.



Advantages of torsional ultrasonic energy

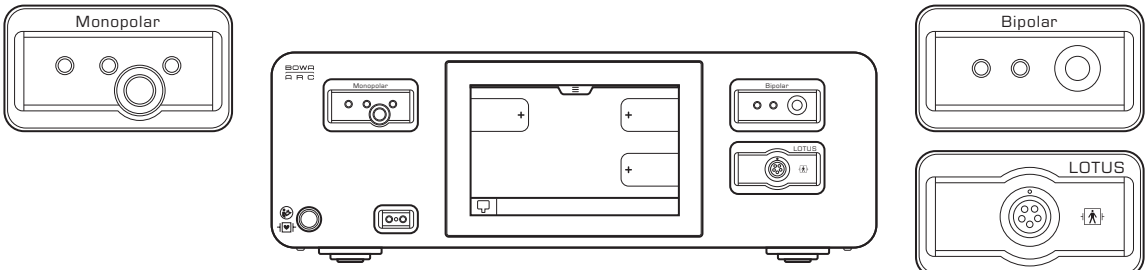
The targeted energy output reduces energy dissipation compared to conventional longitudinal ultrasonic instruments. Unintentional distal energy output can thus be minimised. The efficiency of coagulation and dissection can be controlled by the surgeon when applying force on the handle.

Ordering data	L		REF
LOTUS dissecting shears, 360° rotation			
Open surgery 200 / 360°, curved jaw	176 mm	Handpiece (disposable, 10 pcs. / VPE) Transducer (reusable)	DS5-200CD ES5-200CT
Laparoscopy 400 / 360°, curved jaw	349 mm	Handpiece (disposable, 10 pcs. / VPE) Transducer (reusable)	DS5-400CD ES5-400CT
Bariatric surgery 500 / 360°, curved jaw	434 mm	Handpiece (disposable, 10 pcs. / VPE) Transducer (reusable)	DS5-500CD ES5-500CT
LOTUS dissecting shears			
Open surgery 200, curved jaw	176 mm	Handpiece (disposable, 10 pcs. / VPE) Transducer (reusable)	DS4-200CD ES4-200CT
Laparoscopy 400, curved jaw	349 mm	Handpiece (disposable, 10 pcs. / VPE) Transducer (reusable)	DS4-400CD ES4-400CT
Bariatric surgery 500, curved jaw	434 mm	Handpiece (disposable, 10 pcs. / VPE) Transducer (reusable)	DS4-500CD ES4-500CT
LOTUS liver resector, 360° rotation			
Open surgery 200 / 360°, straight jaw	176 mm	Handpiece (disposable, 10 pcs. / VPE) Transducer (reusable)	LR5-200SD LR5-200ST
Laparoscopy 400 / 360°, straight jaw	349 mm	Handpiece (disposable, 10 pcs. / VPE) Transducer (reusable)	LR5-400SD LR5-400ST
LOTUS liver resector			
Open surgery 200, straight jaw	176 mm	Handpiece (disposable, 10 pcs. / VPE) Transducer (reusable)	LR4-200SD LR3-200
Laparoscopy 400, straight jaw	349 mm	Handpiece (disposable, 10 pcs. / VPE) Transducer (reusable)	LR4-400SD LR3-400
LOTUS reprocessing basket with lid			
For transducers: ES5-200CT, ES5-400CT, LR5-200ST, LR5-400ST	650 x 150 x 68 mm		773-986
For transducers: ES5-500CT	730 x 150 x 68 mm		773-987
For transducers: ES4-200CT, ES4-400CT, LR3-200, LR3-400	550 x 150 x 77 mm		773-984
For transducers: ES4-500CT	640 x 150 x 77 mm		773-985

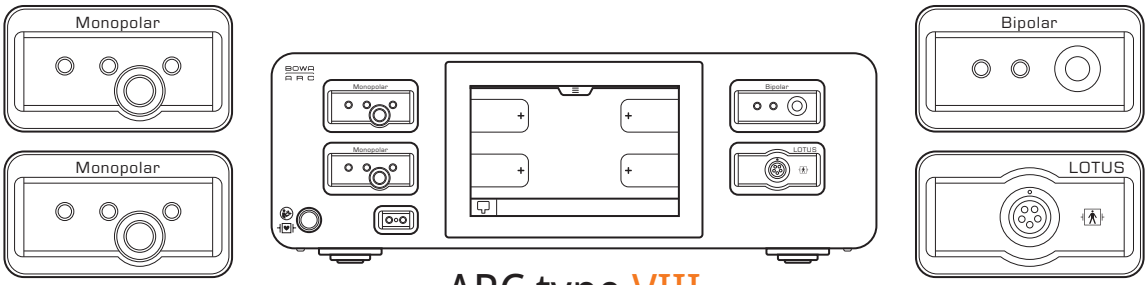
BOWA ARC
a systematic approach to electrosurgery

Overview types of socket configurations

REF 900-610

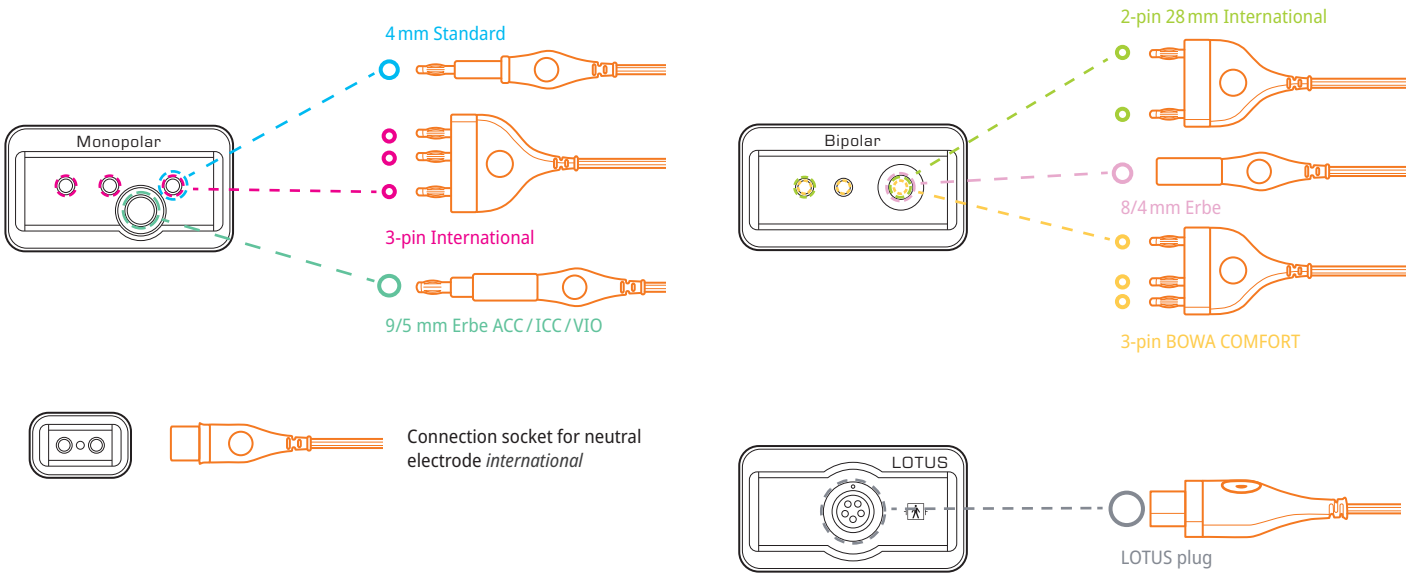


ARC type VII



ARC type VIII

Connection sockets for instruments



Connection socket for neutral electrode *international*

Recommended basic accessories

Foot switch

Double-pedal foot switch
with bar
REF **901-032**

Double-pedal foot switch
REF **901-031**

Double-pedal foot switch
REF **901-021**

Double-pedal foot switch
REF **901-022**

Single-pedal foot switch
REF **901-011**

ARC CART

Equipment trolley
REF **902-050**

SHE SHA

SHE SHA smoke evacuation system
REF **950-001**

SHE SHA filter
REF **951-001**

SHE SHA smoke handle
REF **802-033**

TECHNICAL DETAILS

Type of insulation / classification	
Protection class according to EN 60601-1	I
Type of applied part (EN 60601-1)	CF
CE according to 2017 / 745 EU (MDR)	CE 0123

Key data	
Max. MONOPOLAR power	400 W (at 200 Ω)
Max. BIPOLAR power	200 W (at 75 Ω)
Output frequency	350 KHz

Mains input	220–240 V / 100–127 V
Min. power input	min. 1 W / 4 VA
Max. power input (at 400 W)	max. 710 W / 1090 VA
Mains frequency	50 / 60 Hz
Mains current	max. 5 A @ 230 V | max. 7 A @ 127 V | max. 9 A @ 100 V
Power fuse	2 x T 10 AH 250 V

Dimensions:	Weight:
430 x 140 x 470 mm	**9.6 kg (net)**

BOWA
MEDICAL

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The Pioneers in Visceral Surgery

Pushing the innovation curve

2012
ARC 400 electro-surgical device

2015
LOTUS ultrasonic scalpel system

2020
ERGOact Instruments
The first laparoscopic instrument with bipolar manual activation

2025
ARC LOTUS
All In One

ARC – ready for the future

Contact your authorised BOWA medical device consultant now.

support@bowa-medical.com

Made in Germany

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