



# ENERTECH

## Vessel Sealing Systems

### Bisealer

Enertech's vessel sealing systems give you something no other electro surgical tool can - permanent vessels occlusion. This revolutionary technology replaces almost all other hemostatic tools because it doesn't just ligate vessels, it actually fuses vessel walls to create a permanent seal.



### Bisealer

Across the range, Enertech Vessel Sealing technology delivers a unique combination of pressure and energy to create a consistent seal with each application :-

- Shorter operating time - save almost upto 75% operating time.
- Permanently fuses vessels upto and including 7 mm diameter and tissue bundles without dessication or isolation.
- Faster and safer patient recovery.
- Seals withstand 3 times normal systolic blood pressure.
- Uses bodies own collagen, no requirement to insert foreign material into patient body which can cause complications.
- Feedback controlled response system automatically discontinues energy delivery when the seal is complete, eliminating the guess work.

Each of the devices comprises with high power and low voltage bipolar mode and specialist instruments that combine tissue compression with tissue heating to produce hemostasis in veins or a bundle of tissue.

The Product is delivered through a variety of Instruments for use in both Laparoscopic and open procedures in a range of surgical specialties, including gynecological, colorectal, urology and general surgery.



## Technical Specification

### Monopolar Mode :

Mode	Max. Power Watt	Max. Short Circuit Current	Peak to Peak Voltage	Operating Frequency	Crest Factor
Soft	150	4.4 Amps	560 (280)	480 khz	1.5
Force	150	4.4 Amps	700 (350)	480 khz	1.5

### Bipolar Mode :

Mode	Max. Power Watt	Max. Short Circuit Current	Peak to Peak Voltage	Operating Frequency	Crest Factor
Macro	120	2.2 Amps	560 (280)	480 khz	1.5
Micro	80	2.2 Amps	480 (240)	480 khz	1.5
Force	120	2.2 Amps	620 (310)	480 khz	1.5

## Technical Specification

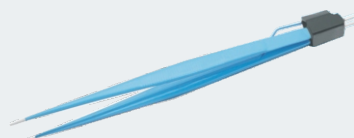
Display	:	7 segment LED Digital.
Dimension ( W x H x D )	:	290 mm x 110 mm x 300 mm.
Weight	:	3 Kg.
Keyboard	:	Feather Touch.
Manufactured and tested	:	IEC 601-1 / EN 60601-1 acc. to std.
Input Supply Voltage	:	230 VAC + 15% @ 50/60 Hz ( 110 V optional )

## Standard Accessories

Double Pedal Footswitch for Bipolar & Seal



Bipolar Forcep Autoclavable With Cable

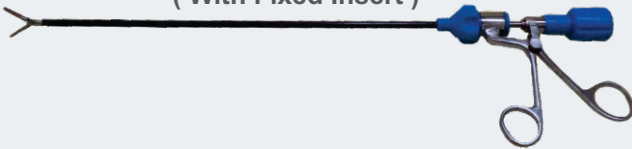


## Sealer Accessories :-

Reusable 5.5 MM Laparoscopy Instrument  
( With Changeble Insert )



Reusable 5.0 MM Laparoscopy Instrument  
( With Fixed Insert )



Reusable Biclamp for Open Surgery



## Bisealer

